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# Chapter1 Model801, Model802 Functions and Features

### **1.1 New Functions of the Eighth Generation Cards**

### 1. High refresh rate, high gray level for constant current driver IC

Add Grey mode options, High Refresh Mode refresh rate can be 8-128 times higher than Standard Mode, and grey level reaches 65536

### 2. Increasing software brightness correction size

Increasing single receiving card from 96X64, to 320X256, make the brightness correction on big led display Time-effective

### 3. Supporting PWM driver IC

Supports MBI5030, MBI5042, DM13H, TC62D722 and so on

### 4. Enhanced utility on receiving card 50-pin output

Each 50-pin output of receiving card has 8 groups of RGB signals. For cabinets applied within 8 groups of RGB signals, receiving card is optimized for better refresh rate and grey level.

### 5. Receiving card adjustable Start X

One receiving card has 16 groups of RGB signals, and each groups of RGB signal can be set different Start X. This is applied for some special shape led display.

# 6. Sending card U/D port flexibility for carrying half width or half height

For example, TS801 can max support 1280\*1024 with two ports A single network output port supports 1280\*512 or 640X1024

# 7. LED display gradually light-up function

Note: 801D card can be upgraded. Upgrade receiving card 801D adding new functions of point 1,2,3,4,5,7; Upgrade sending card 801D, 802D adding new function of point 6. Require LedStudio11.10 or above.

# **1.2 Functions and Features of the Eighth Generation Cards**

# 1. Completely Compatible with the Seventh Generation Control System

The eighth generation is developed based on the seventh. Compared with the seventh, the eighth has all the functions of the seventh. Moreover, the eighth is more functional, more powerful, more stable and more reliable.

# 2. Supporting 2<sup>10</sup> colors

The seventh supports  $2^8$  colors:  $2^{8*}2^{8*}2^8=16777216$  kinds of colors.

The eighth supports  $2^{10}$  colors:  $2^{10*}2^{10*}2^{10}=1073741824$  kinds of colors. It needs to work with our video processors using the 30 bits TTL.

So the coloring number of the eighth is 64 times as much as that of the seventh.

#### **3.** The intelligent connecting function

Without resetting the configurations, the receiving cards (including spare ones) of the same LED display/cabinet can be randomly exchanged or replaced, for they will automatically recognize the showing area and content they are responsible for.

#### 4. The intelligent supervision function

In each receiving card, there is a temperature sensor and four fan-power-output-ports. The speed of the fans is under wise controlled according to the warming value of temperature set by users.

#### 5. Company Logo Showing

If the power of the sending card is not turned on, the monitor the PC will automatically show the preset company picture. The pixel of the picture will be 128\*128, the coloring number 16K.

#### 6. Supporting more scan mode

The seventh supports 1, 2, 4, 8, 16 scan mode, the eighth supports 1, 2, 3, 4, 5, 6, 7, 8, 9. 10, 11, 12, 13, 14, 15, 16 scan mode.

#### 7. Supporting more modules

The seventh supports modules with the width: 2pixels, 4 pixels, 8 pixels, 16 pixels, 32 pixels, 64 pixels.

The eighth supports all the modules with width within 64 pixels. That is from 1 pixel to 64 pixels.

#### 8. Supporting cut-up function

Each receiving card max supports 1024 pieces cutup, for non-conventional type display or text display use.

#### 9. supporting empty pixel insert

The eighth can be set to insert one or more empty pixels every X pixels. This function is applying in non-conversional type display.

#### **10. Supporting PWM driver chip**

Need to use particular driver chip

Make the display effect going perfect

#### 11. Supporting hardware pixel by pixel correction

Need to use particular driver chip. By changing the current for the LED, adjust the color, wave and brightness of the LED.

Make the effect of display pixel by pixel correction better.

#### 12. Supporting pixel supervision function

Need to use particular driver chip

Dynamically check the bad pixels on the display.

#### 13. Giga Technology

Veritable Giga technology. One sending card can support the max pixels: Model801: 1280\*1024; model802: 2048\*640; two cards are cascaded: 2048\*1152. Single network cable supports the max pixels: Model801: 1024\*640, 1280\*512; Model802: 1600\*400, 2048\*320

# 14. Pixel by Pixel Correction and Unit box by Unit box Correction Function

Pixel by pixel correction supports four kinds of correction modes: single pixel,

2\*2pixels, 4\*4 pixels, 8\*8 pixels; and the max correction is 6144 pixels/module, and brightness 256 levels for red, green, blue. Every unit box correction is used to adjust the chromatism among every unit box; and brightness 256 levels for red, green, blue.

#### **15. Intelligent Identification Function**

The intelligent identification program can recognize every kind of scanning mode and every type of signal trend of all kinds of double-color, full-color (real pixel and virtual pixel) drive boards, and the accuracy rate is 99%.

#### 16. Gray level 0---Gray Level 66536 (64K) are User adjustable

Users can adjust the gray level from 0 to 66536 levels according to requirement of displays, making the display achieve the most desirable effects.

#### 17. User adjustable Refresh Frequency, Synchronous function

Refresh frequency are adjustable from 10HZ to 3000HZ, and the refresh frequency and phase-lock function can make the display refresh locked at integral multiple of that of computer display, avoiding the image to be torn, and ensuring the image to be perfect. The phase-lock synchronous range is from 47HZ to 76HZ.

#### 18. Super loading capacity

Full-color receiving card with gray level 4096 (Model 4K) and refresh frequency 180HZ can support 512\*128; full-color receiving card (Model 16K, only for static) with gray level 16384 and refresh frequency 300HZ can control 160\*64,.(Remarks: the drive board must realize high frequency 30MHZ)

#### 19. Double network cables switch automatically

The A and B ports of the receiving card can be both used as input ports or output ports. Users can adapt two computers to control a display at the same time, when one is out of order, the other will replace it automatically; Users can also use one computer with double network cables to control a display, when one is out of order, the other will take place of it automatically, making the display work normally all time.

#### 20. Multi-display synchronous and combination functions.

Supporting one sending card to control multi-display, and the multi-display can be willful combination, synchronous display, and independent play.

#### 21. 256 Levels Automatic Brightness Regulation

The function of 256 levels automatic brightness regulation can make the display brightness regulation more efficient.

#### 22. Audio Transmission Function

Model 802 integrates the audio transmission, and requires no audio cable to transmit audio signals to the display. Double 24bits and 64KHZ hi-fi digital analogy and modulus switch to transmit the voice, making display achieve the perfect video effect.

#### 23. Upgrade Program Online

If program of receiving card needs to be upgraded, just open the display power, and upgrade it through Led Studio, no need to remove the receiving card from the display.

#### 24. No Toggle Switch

No toggle switches on the receiving card, all the setups are set through Led

Studio.

#### **25. Test Function**

Receiving card has the test function, no sending card needed; can test the display directly, such as bias, gray level, red, green, blue, etc.

#### 26. Super Long Transmission Distance

The max transmission distance is 170M (actual measure); normal transmission distance is 140M.

#### **27. Matching software**

Led Studio V9.0 or above.

#### **Remarks:**

Sending card includes: full-color TS801, full-color TS802, double-color DS 801, double-color DS802

The differences between full-color system and double system: double-color sending card can only be used for double-color display and single color display, but full-color sending card is suitable both for full-color (real pixel and virtual pixel) and double-color displays; however, double-color receiving card is the same as the full-color one.

The differences between model 801 sending card and model 802 sending card:

Model801 can max support 1280\*1024pixels Model802 can max support 2048\*1152pixels Single card model 802 can control 2048\*640pixels Model802 has been added the audio transmission and cascade functions

# Chapter2 Linsn Control System Installation Instruction Sending card



# **Power Supply**

**Methods:** by Four-pin power connector/PCI slot Power supply/Power Jack (the middle pin of power jack is positive; the first pin of the four-pin power connector is positive, the fourth pin is near the PCI slot)

Specs: DC, 5V-6.3V, 2A

# **Communication Cable**

Connecting the sending card USB-B port and the computer USB-A port

# **DVI transmission Cable**

DVI cable: Connecting the sending card DVI port and the **DVI-D** port of computer graphics card Set the DVI output of computer graphics card to **CLONE** mode, so the sending card is copying the content on computer monitor to LED Display

Desktop Mode Selec The desktop mode se	tion Hection will determine how the computer desktop is shown on your displays.
Select a desktop mod	le:
· · · ·	Extended Desktop
	The desktop is extended to your second display. Settings can be set independently for each display. This is useful when you want to watch video, or work on your computer with more room for multiple windows.
N	Clone (Current Mode)
	The same desktop image is shown on both displays. This is useful when giving presentations.
	Horizontal Stretch
	One large desktop is stretched across two displays as if they were a single display. Settings are the same for both displays.

# Network cable RJ45 transmission cable (568B-to-568B or

# 568A-to-568A)

U port means Upper port; it carries the upper half of the height D port means Down port; it carries the lower half of the height For example: TS801D sending card, in 1280\*1024 resolution mode, U port carries 1280\*512 (Start Y: 0-512) D port carries 1280\*512 (Start Y: 513-1024)

After installation: The LED indicators of sending card will be **RED light on**, and **GREEN light flashing**.



# Power supply:

DC, 3.3-5V, 2A; by two-line power supply/Four-pin power supply

# Network cable RJ45 transmission cable (568B-to-568B or

# 568A-to-568A)

Usually, A port gets input signals from sending card U port/D port B port outputs signals to the next receiving card A port In short, we call **A in B out** 

After installation:

The LED indicators of receiving card will be **RED light on**, and **GREEN light flashing.** When A in B out, green light flashing fast; when B in A out, green light flashing slowly

# 50-pin outputs







# **Chapter3 Setup**

Set the Linsn LED Display Control System to work with LED Display.

# 1. Enter Setup

LedStudio, Option, Software Setup;

関 LedStudio11.25 - So	reen1 - new.lsd	
File Control Tool	Option Test Help	
	Screen Combination/synchronism Set Brightness/Contrast/Color(B) Screen Area (Y) Play Background Lock LED Screen Properties Turn off LED screen power Schedule Table Schedule Hide Setup	
	Language Show play Window LED Screen Monitor Hardware Setup Software Setup User Setup(U)	

### Shenzhen Linsn Technology&Development Co.,Ltd

Software Setup	x
Play Window Auto Networking Other	
<ul> <li>Lock to LED Screen</li> <li>Multi-LED Combination/synchronism</li> <li>Combination/synchronism Setting</li> <li>Update LED Numb</li> </ul>	
Screen1	
Start X: 1327 Width(W): 320	
Start Y: 733 Height(H): 256	
Always on top Frames: 30	
Accelerator	
Save Setup Close He	lp

Click anyplace that allows type in or just knock at keyboard "linsn",

	Input Password	x	
	Please input Password:	Ok	
	l	Cancel	
Ľ			Password 168

1366X768	Use 10 bit colors
	Caid IO
	✓ Use plug and play for DVI
Hardware port	Enable dot-correct for soft Card 2U
	Use monitor for card/box
Y Start	Use monitor for dot
□ Auto  320	Single Color only
Set Width 1024	Enable ExCard Bright     Card 4D
StartX 0 StartY 0	
Width 1 Height 1	Color Temperature Adjust
	Video card Frequencir - HZ
Screen power Asyn mode C Auto asyn	
C Off C Manual asyn	
C Unallowable asyn	Virtual by interleaved
Hardware other	Directions C Left C Direct
Model: TS801	
1 32 dot change at 16 row	Uffset: U Step: U

#### 2. Sender setup

#### Settings:

**Display mode**: choose the same resolution as computer monitor or as video processor output resolution

Note: LedStudio will detect the attached Sending Card Model and list the available resolutions.

Default: set the sending card to Default settings.

Click Save on sender.

#### **Other Details:**

-Hardware p	ort				
Main card	Auto	•	Sender Num:	1	

Main card: which COM port is used for LedStudio to communicate with sending card

Sender Num: the quantity of sending card(s) connected to computer

Y Start				
🔲 Auto		120		
📝 Set Width		1024		
StartX	0		StartY	0
Width	1		Height	1
Manual Gre	y 🤅	16	32	64

**Y** Start: Auto or set the Y start of sending card. For example, 120, then the sending card will read data from 0,120 of computer desktop.

**Set Width**: set the pixel numbers that the sending card needs to carry, then it will enable more height for U RJ45 output.

**Start X, Start Y**: set (X, Y) for sending card to start reading data from computer desktop. Start X, Start Y is based on Y Start. For example, Y start (0, 120), StartX, Y (120, 120), then sending card start reading data from (120, 240) of computer desktop.

Note: in **Screen Area**, Start X, Start Y cannot be set beyond the RJ45 U port resolution; otherwise the led screen would freeze or appear wrong codec. In here, Start X, Start Y can set within the sending card resolution.

Width Height: it is same function as LedStudio, Option Meanu, Screen Area, Zoom Display. for example, a led display resolution is 96\*64, to show a larger part of computer desktop like 288\*192, then input width 96/288=0.33, height 64/192=0.32.

**Manual Grey**: change Grey instantly. 16bit (16384), 32bit (32768), 64bit (65536)

Screen power	Asyn mode
Auto on/off	Auto asyn
	Manual asyn
0	Unallowable asyn

**Screen power**: to turn on/off enable LedStudio to control on/off **Screen power off**: turn off sending card signal for output

Asyn mode: Not yet available

Hardware	other
Hardware:83.C6	32 dot change at 8 row
Momdel: TS801	32 dot change at 16 row

Hardware: show sending card info by clicking Check Hardware Other: leave it empty.

🔲 Use 10 bit colors
🔽 Use plug and play for DVI
Enable dot-correct for soft
✓ Use monitor for card/box
Use monitor for dot
Single Color only     Enable ExCard Bright     Remember LAN
Video card Frequency: , HZ

Enable functions of control system. Leave it as default.

Use 10 bit colors: when 10 digit signal input is applied to TTL; Use plug and play for DVI: automatically enable DVI port of graphic card; Enable dot-correct for soft: enable dot correction effects;

Enable dot-correct for hardware: reserved for future development.

Use monitor for card/box: when enable, go to Option menu, Led Screen Monitor, will have Card/box monitor window, to read each receiving card firmware code and temperature and so on;

Use monitor for dot: reserved for future development;

Single color only: black and white color;

**Enable ExCard Bright**: enable function board automatically brightness adjustment function;

Remember LAN: only for non-sending card control mode;

Video card Frequency:: working frequency of current graphic card;

Port of hot backup		
Card 1U		
Card 1D		
Card 2U		
Card 2D		
Card 3U		
Card 3D		
Card 4U		
Card 4D		

Port of hot backup: Select a port for backup data.

COIDI
📝 Enable Color Adjust
5450 🔻

Change the color temperature on led display

Rotate: rotate image function realized by sending card, not by graphic card;

Virtual by interleaved				
Mode:	None	•		
Direction:	◎ Left	🔘 Right		
Offset:	0			
Step:	0			

Leave it as default.

Make G-R-B 7-formed led display show virtual.

#### 3. Receiver setup 3.1 Settings

1. Load **RCG** file by click **Load from files.** 

**Note**: .RCG file is generated by running **intelligent setup**. It is driver for linsn control system to work with led display. (Get RCG file from the led display supplier)

2. Send to receiver, if image is showing correctly in led display, Save on receiver.

etup hardware parameters
Sender Receiver Display connection
Drive chip: General 🔍 Present scan mode: Full-color real nive 1 scan 4 File: 7/S.1103001.P16/2P1618路太守
Performance/effect setup
refresh FRQ. 2880 - HZ Max refresh: 2933Hz V Synchronous refresh High Quality
Scan clock: 16.7 VMhz duty ratio: 50 % Gray level: 16384 Velevel
Phase of clock : 4  Phase of latch: 0 Grey mode: std. refresh-lower lig
Row blanking time 3000 ns Blanking Delay: 0  Grey equalize: 0
Grey Start from Value: Red 0 Green 0 Blue 0 Gama Low: 1
Use row signal D, twice pixel height
Use row signal D,C,B, 4 times pixel height
Dual D as Clock     Idea fadein
Free show
rend display C random C logo     Load logo Save logo Test now
Load capacity setup
Brightness efficiency (including blanking): 37.52% Min OE width(>40ns): 6 ns 🗌 specify 0 ns
Max width: 65 Actual width: 64 Max height: 64 Actual Height 64
Enabel change start Start X: 0 Start Y: 0
Intelligent setup Load from files Save on files Send to receiver Save on receiver

#### 3.2 Other details:

**Drive chip**: Choose the LED Driver IC used in the LED Display. General refers to supported Constant Current Driver IC.

**Present scan mode:** Load the correct .RCG file from LED Display Manufacturer or after finishing intelligent setup, software will recognize the scan mode of the LED module design.

**File:** .RCG file name. After finishing intelligent setup properly, click **Save on files** to name and save the .rcg file. For example: full-color 1/8 scan 8 rows/zone.

**Refresh FRQ**: LED Display refresh frequency, has to be **multiple of graphic** card frequency. The higher the refresh frequency is, the more stable image will be on the screen. If a camera is used to shoot image on LED Display, to avoid scan line, user should set the refresh frequency above 600HZ. Generally speaking, for double-color screen, refresh frequency set 60—75HZ; For indoor full-color display, 180—600HZ; For outdoor full-color display, 300-1200HZ.

Max refresh: the maximum refresh frequency supported

**Synchronous frequency:** For double-color display, it doesn't matter; for full-color display, this item has to be ticked. For *high-refresh* mode in **Grey mode**, Synchronous refresh is locked ticked.

**High bright**: high brightness. in high-refresh mode, High bright option make low-grey-level part looks better, but it will lower **Brightness Efficiency**.

Scan clock: the theoretic max scan clock is on the Driver IC specification.

Scan clock also depends on design and performance of LED Module Drive Board (PCB design). The higher scan clock it is, the more Max width and higher gray level is available, normally 16.7MHz.

**Duty ratio:** it is the duty ratio of scan clock, changing this will affect the scan clock, enable scan clock go higher. Duty ratio is set default 50%. (Settings for Led manufactory)

Grey mode: std: standard; std<hight<higher<highest<max

Lowest light<low light<light<high light<high light<high light<high light

**Gray level:** normally, gray level 256 for double-color display; 4096 for indoor display; 16384 for outdoor display. The higher the gray level is, the better image quality will be.

When Grey mode, high refresh mode, gray level with refresh means make high refresh rate priority; with quality means make gray level priority; with normal means equal balance of refresh rate and gray level;

**Phase of clock**: adjust the phase of **scan clock**, enable high scan clock. Normally 3;

Phase of latch: adjust the phase of latch;

**Row Blanking time:** value set between 10-200000. It is used to fix brightness leak. Set 3000 for double-color display; 200 for full color display. (Real pixel and virtual pixel). If high value is set for Row Blanking time, and with no effects, please check the connection of receiving card and led display, especially whether OE is reversed connected (settings for Led manufactory)

Blanking Delay: 0-15, work on brightness leak (settings for Led manufactory)

**Gray equalize:** The default value is 1; generally, most Led screens don't need to adjust this item. The normal gray displays from darkness to brightness, as shown in below figure: (settings for Led manufactory)



Some panels are not of good quality, so the gray level doesn't display regularly; if users adjust this item, it is possible to make the gray level normal. The adjust value range: 0-15.

**Grey Start from Value**: set start value for RGB, when Test gray level, gray level starts from the start value;

Gama low: set gray level by gama value;

**Use row signal D, twice pixel height**: use Row Signal D as the second Clock signal, double receiving card carries capacity for height;

**Use row signal D,C,B, 4 times pixel height**: use each Row Signal D,C,B as Clock signal, quadruple receiving card carries capacity for height;

**Dual D as Clock**: receiving card outputs two different clock signals, enable the clock for further transmission, support high scan clock;

**Virtual display:** if the led display is virtual display, and it is set to work in virtual mode, tick this item.

Led fadein: led display lights up gradually, avoid instant high current damaging led display;

Setting					×
Select fast option		-	For Chip:		
NO.	Order	Port Start	Name	V	alue
1	1	0	Red(0-200%	») 10	00
2	2	0	Green(0-200	1%) 10	00
3	3	0	Blue(0-200)%	% 10	)0
4	4	0			
5	5	0			
6	6	0			
7	7	0			
8	8	0			
9	9	0			
10	10	0			
11	11	0			
12	12	0			
13	13	0			
14	14	0			
15	15	0			
16	16	0			
🔲 port odd 2 ever	n 🗆	Reverse port order		50 Port Exchar	nge
🔲 4 Port for type	2 🗆	Brightness for old		🗌 2 Port interleav	/ing
5 Port for type	2 🗆	Send idle clock befo	ore data to send	20 Ports	ОК

#### More setting: settings for led display manufacturer

No. 1-16: the 16 groups of RGB signals of receiving card

Order: order of each group RGB signal;

**Port start**: the start X of each group RGB signal;

For Chip: available more settings for selected IC in Driver Chip;

**Port odd 2 even**: exchange **Order** of odd number and even number, which is 1-2 to 2-1, 3-4 to 4-3...

**Reverse port order**: **Order** change from 1,2,3,4,5,...,16 to 16,15,14,13,...,1.

**50 Port Exchange**: exchange the two 50-pin-port data of receiving card, which is 1-8 groups RGB data exchanges with 9-16 groups RGB data;

**4 port for type 2**: for RV802D receiving card 26-pin interface, change from original 16 groups serial data to 4 groups parallel data;

**Brightness for old**: new receiving card (RV801D with high-refresh firmware) and old receiving card (RV801D with normal refresh firmware) brightness compatible;

**2 port interleaving**: 16 groups data order change from 1-to-16 to 1, 9,2,10,3,11,4,12,5,13,6,14,7,15,8,16;

**5 port for type 2**: for RV802D receiving card 26-pin interface, change from original 16 groups serial data to 5 groups parallel data;

Send idel clock before data to send: applied for Driver IC needs to insert clock;

**20 ports**: add 4 more groups data to original 16 groups data, in this case, the pin definition of receiving card is changed, thus, the hub card need to change accordingly;

#### Free show:

No display: when receiving card gets no signal, led display show black;

**Random**: when receiving card gets no signal, led display show last image it plays.

**Logo**: when receiving card get no signal, led display show preset image. Image requires to be 128\*128 pixel resolution.

**Brightness efficiency**: the current brightness efficiency for led display; **Min OE**: the minimum OE width, should be larger than 40ns. **Specify**: manually set the OE width;

**Max width:** width pixels that one receiving card can max support. It is related with refresh frequency, gray level and scan clock, and it will change accordingly to the three items. Normally, rise up the refresh rate and the gray level will low down the max width;

Actual width: actual width of one receiving card need to support.

Max height: height pixels one receiving card can support. It is relevant to the design of led display drive board.

Actual height: actual height of one receiving card need to support.

Load from files: load .RCG file

Save on files: save .RCG file to computer

**Send to receiver:** After finishing the intelligent setup, or change any parameters, or upload any .RCG or .CON files, user has to click "send to receiver" to take effect on the led display.

Note: Can send to all receiving cards or specified receiving cards

**Save on receiver:** Click this item can save data in receiving card permanently. If not, the data lost when power is down.

#### 3.3 How to run intelligent setup

There are 7 steps. (Some steps will be skipped according to different display panel.)

By running the intelligent setup, Linsn control system will fetch the info of the led display, such as scan mode, chip decode, module size, signal trend etc, then apply the suitable driver from the firmware.

#### 3.3.1 Preparation

Make sure everything is connected correctly.

- 1. Graphic card DVI output for sending card is set running in CLONE mode
- 2. Sending card(s) and receiving card(s) green indicators are blinking and red indicators on
- 3. Flat cable connects panel with hub card correctly
- 4. Before running intelligent setup, the info in below picture is needed. the info can also get from led display manufacturer.

Intelligent setup guide 1
Display type Single-color Double-color I Full-color real pixel Full-color virtual pixel Virtual pixel sequence: red A green / blue red B v Drive Chip: General
Module information
Pixels: (adapting real pixel for virtual display) X: 16 Y: 16 Double Column
Data input port QTY: 1 Data group/port: 1 Data type: Red, green, (blue) -
Row decode mode: Chip 138 decode
Blank insert:by 0 dot insert 0 dot Mode:      Back      Front
Module cascade direction (Look from the front of display)
$\odot$ from left to right $ extbf{@}$ from right to left $ extbf{@}$ from top to down $ extbf{@}$ from down to top
Next Cancel

#### **3.3.2 Input LED Module Information**

Click intelligent setup, select or input the following info, click Next

Intelligent setup guide 1
Display type Single-color Double-color I Full-color real pixel Full-color virtual pixel Virtual pixel sequence: red A green / blue red B v Drive Chip: General v
Module information Pixels: (adapting real pixel for virtual display) X: 16 Y: 16 Double Column
Data input port QTY:       1       Data group/port:       1       Data type:       Red, green, (blue):           Row decode mode:       Chip 138 decode
Blank insert:by 0 dot insert 0 dot Mode:      Back      Front
Module cascade direction (Look from the front of display) <ul> <li>from left to right</li> <li>from right to left</li> <li>from top to down</li> <li>from down to top</li> </ul>
Next Cancel

Help details:

Drive Chip: choose the driver chip applied to the led module;

**Display Type**: Single-color, double-color, full-color real pixel, full-color virtual pixel.)

If led display is virtual pixel, choose the right virtual pixel sequence; there are four sequences, as below:

Intelligent setup guide 1	<b>X</b>
Display type Single-color	Double-color
Virtual pixel sequence:	red A green / blue red B
Module information	red A blue / green red B green red A / red B blue blue red A / red B blue

(Notice: one virtual pixel consists of two red lights, one green light and one blue light. The red in upper row is red A, and the red in lower row is red B.)

Width (X), height (Y): Input the resolution (pixels) of the module (also called panel/matrix,;





**Data input port:** Input the quantity of the **data input port**, most of the modules are one or two, as above picture it is one data input port (one input port in the left and one output port in the right).

**Data group/port**: Quantity of **data group/port** for every data input port. If hub card is Linsn Hub Card, it has pin assignment in each pin. RGB signals can be counted.

**Data type**: Generally, the first data type (Red, green, (blue) separately) for Led display, the other items for light-decoration.

Data type:	Red, green, (blue): 💌	Reverse p
	Red, green, (blue) separately	
	red, green and blue unite as one, three colors serial 1	
	red, green and blue unite as one, three colors serial 8	
ode: 🔘 Bad	red, green and blue unite as one, three colors serial 16	
	red, green and blue unite as one, four colors serial	
	HUB48 extends, three colors serial	
	HUB48 extends, four colors serial A	
	HUB48 extends, four colors serial B	
top to down	HUB52 extends, red, green and blue separately.	

**Row decode mode**: Choose the row decode mode (Unknown or not in the following options\static, no decode\no decode chip, row drive directly, with OE\no decode chip, row drive directly, no OE\chip 138 decode\chip 139 decode\chip 145 decode\chip154 decode\chip 164 decode\chip 192 decode\chip 193 decode\chip 595 decode\chip 4094 decode)

Row decode mo	de:	chip 138 decode 🔹	
Blank insert:by	0	Unknown or not in the following options static, no decode no decode chip, row drive directly,	ĺ
Module cascade d	lirectio	no decode chip, row drive directly, no OE chip 138 decode chip 139 decode	
) from left t	o righ	chip 145 decode or chip 138 decode as chip145 chip154/4514 decode	
		chip 164 decode chip 192 decode chip 193 decode	
	_	chip 595 decode chip 4094 decode	h

**Module cascade direction**: how signal goes. Look from the front of LED Module. Choose the right one according to modules cascaded way.

Double column: for special PCB design;Channels of chip: channels of the driver chipTotal chips: for special PCB design which leaves some driver chips empty;

#### 3.3.3 Watch and Select

1. Watch module changes: choose the right status according to led module reaction, for example, status 1 shows white, and status 2 shows black. Click **Next** 

Intelligent setup g	uide2	X
Led display diver	sification	
Status change	es automatically, one time/4 seconds, observe LED module, and choose the right answer from	the display status.
© 1 💿	2	
Display status	status 1 displays black, status 2 displays white	
	No change or irregularity status 1 displays black, status 2 displays white status 1 displays white, status 2 displays black	
	status 1 displays red, status 2 displays cyan (green +blue) xt status 1 displays green, status 2 displays purple (red +blue)	Cancel
	status 1 displays blue, status 2 displays yellow (red+green) status 1 displays cyan (green +blue), status 2 displays red	
	status 1 displays pulpe (red +green), status 2 displays green	

2. Watch module changes: choose the right status according to led module reaction. Click **Next** 

Intelligent setup g	uide4
Led display diver	sification
V Status change	es automatically, one time/4 seconds, observe LED module, and choose the right answer from the display status.
© 1 💿	2
Display status	No change
	No change status 1 is brighter than status 2 status 1 is darker than status 2
	Next Cancel

3. Watch the color that the module shows and choose accordingly, for example, status 1 displays red, and status 2 displays green. Select the right one. Click Next

Intelligent set	up guide5		×
<b>√</b> Status cha	anges automatically, on	e time/4 seconds, observe LED module, and choose the right answer from	the display status.
Led display	diversification		
1	Display status 1:	red 🗸	
© 2	Display status 2:	green 🗸	
© 3	Display status 3:	blue 🗸	]
⊚ 4	Display status 4:	Black -	
		Next	Cancel

4. Watch the module: how many rows are bright totally, choose the number in **Bright rows of LED display**;.

r	Intelligent setup guide6	×
i	Bright rows of LED display:	1
I	Interval row (including one bright row):	1
	Remarks: if only one bright row, must cho	oose a interval row.
		Next Cancel

**Interval rows** mean how many black (dim) rows between two bright rows, and then add one bright row for the total interval rows. For example, as shown in below figure, there is one black/dark (mid) row between two bright rows, choose 2 (1+1=2) rows for the interval rows, 4 rows for bright row.



If there is no black (mid) row between the bright rows, select 1 row for the interval row, as shown in below figure: 4 rows for bright rows, and 1 for interval row.

Choose the right one according to your module.

5. Watch which pixel is light up in the module Then click the corresponding grid in the following window

Intelligent setup guide7																				
Remarks: Watch your display, click the correspondent grid, if click the wrong one, click "Back "Back" Reposition Next Cancel												Cancel								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		 		<b>^</b>
1																				
2																				
3																				
4																				
5																				
6																				=
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				-

After clicking the grid, another pixel will light up in the module Continue to click the corresponding grid till the following widow appears

LedStudio	
<b></b>	Pixel recognition finished, if the pixels you chose are all right, please click "Next", and enter next recognition.
	ОК

#### **3.3.4 Setup Other Parameters**

After finishing "intelligent setup", send it to the receiving cards; check the image on led module or led display, if everything shows correctly, Setup the refresh frequency and gray level according to requirement of Led display.

Click **save on files** to save the **RCG** file for backup. Then click **Save to receiver** to save the .RCG in the flash memory of receiving cards.

### 4. Led Display Connection Setup

#### 4.1 Settings

#### 4.1.1 Set mode: Normal

Setup hardware parameters	
Sender Receiver Display connection	
Set mode: Simple Onrmal Complex	:o-link
Remark:The dialog of settings for single or multi regulation led-screen. Display QTY: 1 Update di	isplay QTY
display 1	
Type: real pixel display   Horizontal card 2 Vertical card 2 Virtual display	
Gama 3 ○ define Edit Red brightness 255 Green brightness 255 Blue brightness 255     Blue brightness 255     Blue brightness 255     Blue brightness 255     Blue brightness     Second Secon	
1 2	
Network cable order No. 1 order No. 2	
width: 128 width: 128	
Network cable	
2 order No. 4 order No. 3 width:128 width:128	
height:96 height:96	
Main cable 1 No. sender U cab 🔻 Extension cable 1 Order No 4 Width 128 Height 96	Abnormity
A line and the set of	correction
	concedon
Identify for Card Save Card for maintain Load from file Save to file Send to receiver Save to receive	er
Exit	Help

#### 4.1.2 Display QTY:

Display quantity. Input value and click Update display QTY. For example: 4,

Setup hardware parameters	
Sender Receiver Display connection	
Set mode: O Simple O Normal O Complex	🔲 Use Auto-link
Remark:The dialog of settings for single or multi regulation led-screen. Display QTY:	: 4 Update display QTY
display 1 display 2 display 3 display 4	
Type: real pixel display   Horizontal card 2 Vertical card 2	Virtual display
◎ Gama 3 ◎ define Edit Red brightness 255 Green brightness 255 Blue	brightness 255
1 2	

**Choose Type**: single-color display/double-color display/reap pixel display/virtual pixel display

### Input receiving card numbers.

Horizontal card: receiving card number in a row

disp	lay 1						
1	Type:	real pixel disp	olay 🔻 Horizo	ontal card 2	Vertical card 2	Virtual display	
(	🖲 Ga	ima 3 🥘	define Edit	Red brightness	255 Green brightness	255 Blue brightness 255	
[		1	2				Ī
-	1	Network cab order No. 1 width:128 height:96	Network cab) order No. 2 width:128 height:96				
	2	Network cab: order No. 4 width:128 height:96	Network cab order No. 3 width:128 height:96				

Vertical card: receiving card number in a line

One pink box stands for one receiving card

#### 4.1.3 Input each receiving card info

Select a receiving card (a pink box)

		1	2									
1	No or w:	etwork cabi rder No. 1 idth:128	Network o order No. width:128	cab) 2 3								
-	h	eight:96 etwork cable	height:96 Network o	5 cabi	-		-	-	-			
2	or W	der No. 4 idth:128	order No. width:128	3								
	he	eight:96	height:96	3			]	]				
n ca	ble	1 No. sende	r U cab 👻	Ex	tension cable	tension cable	tension cable <sup>1</sup> Order No.	tension cable 1 Order No. 4	tension cable 1 Order No. 4 Width	tension cable 1 Order No. 4 Width 128	tension cable <sup>1</sup> Order No. <sup>4</sup> Width <sup>128</sup> Height	tension cable 1 Order No. 4 Width 128 Height 96

Main cable: select sending card output port. 1U means number 1 sending card U port.

Extension cable: this is used when Splitter (hardware) applied.

Order 1 means first receiving card, order 2 means second receiving card.

Note: The first receiving card is the receiving card that first receives signals from sending card.

Width and Height means how many pixels are carried by selected receiving card.

#### 4.1.4 Input each receiving card info

Click "Send to receiver" if image is correct on led display, click save to receiver Click **save to file** to save.CON in computer.

#### 4.2 Examples:

Setup hardware parameters
Sender Receiver Display connection
Set mode:         Simple         Normal         Complex         Use Auto-link           Bemark: The dialog of settings for single or multi-regulation led-screen.         Diselaw OTV         2         Lindate display OTV
display 1 display 2
Type: real pixel display V Horizontal card 2 Vertical card 2 Virtual display
1     2       Network cable     Network cable       order No. 1     order No. 2       width: 128     width: 128       height:96     Network cable       Network cable     Network cable       order No. 4     order No. 3
<sup>4</sup> width:128 height:96 height:96
Main cable     1 No. sender U cab     Extension cable     1     Order No.     2     Width     128     Height     96     Abnormity       Card brightness:Red:     255     Green:     255     Blue:     255     Load Data     Screen area color correction
Identify for Card Save Card for maintain Load from file Save to file Send to receiver Save to receiver
Exit Help

The above window means: one sending card supports two displays.

#### **Display 1 info:**

Real pixel display

Have four receiving cards

Gets signals from U port of sending card

When looking at the front side of the display, the first receiving card is placed at the left top cabinet, carrying 128 pixels width, 96 pixels height.

#### **Display 2 info**:

Virtual pixel and showing signs in virtual mode

Gets signals from D port of sending card

Have two receiving cards. One receiving card supports 48 pixels width, 48 pixels height

The other receiving card supports 128 pixel width and 128 pixels height.

Setup hardware parameters							
Sender Receiver Display connection							
Set mode: O Simple O Normal O Complex Use Auto-link							
Remark: The dialog of settings for single or multi regulation led-screen. Display QTY: 2 Update display QTY							
display 1 display 2							
Type: virtual pixel display 🔻 Horizontal card 2 Vertical card 1 📝 Virtual display							
O Gama 3 ◎ define Edit Red brightness 255 Green brightness 255 Blue brightness 255     Blue brightness 255     Blue brightness 255     Blue brightness     Section 255     Blue brightnes     Section 255     Blue brightnes     Section 255							
1     2       Network cable     Network cable       order No. 1     order No. 2       width v3     width v3							
height:48 height:128							
Main cable 1 No. sender D cab V Extension cable 1 Order No. 1 Width 48 Height 48 Abnormity							
Card brightness:Red: 255 Green: 255 Blue: 255 Load Data Screen area color correction							
Identify for Card     Save Card for maintain     Load from file     Save to file     Send to receiver     Save to receiver							
Exit Help							

# **Chapter4 Brightness Correction**

Camera Brightness Correction & Manual Brightness Correction

# 4.1 Camera Brightness Correction 4.1.1 General

### 1. Scope:

Correction can be applied to single color, double color and full color **REAL** pixel display.

### 2. Hardware requirements:

- Camera: Canon 5D Mark II, Canon 50D, Canon 500D, Canon7D
- Lens (50-500mm for outdoor, 70-200mm for indoor)
- 1/64 Neutral Density Filter (not a must)
- Ptz (like Manfrotto 410)
- Tripod (like Manfrotto 055DB)
- Linsn 8<sup>th</sup> generation control system

#### 2. Software requirement:

LedStudio 11.25 and above.

#### **Important: Virtual display is not supported.**

## 4.1.2 Preparations

1. Open LedStudio, "Option"-"software setup"-key in "linsn"-password "168" show as following:

LedStudio11.25 - So	creen1 - new.lsd	
File Control Tool	Option Test Help	
	Screen Combination/synchronism Set Brightness/Contrast/Color(B) Screen Area (Y) Play Background Lock LED Screen Properties Turn off LED screen power	G
	Schedule Table Schedule Hide Setup	
	Language > Show play Window	
	LED Screen Monitor Hardware Setup	
	Software Setup	
	User Setup(U)	

Input Password	×
Please input Password:	Ok
	Cancel
[	

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Setup hardware parameters	
Server     Display connection       Display mode       [1280X1024       Hardware port       Main card       Auto       Set Width       StartX       0       StartY	8G only       Port of hot backup         Image: Use 8G       Card 1U         Image: Use 10 bit colors       Card 1D         Image: Use 10 bit colors       Card 2U         Image: Use plug and play for DVI       Card 2D         Image: Enable dot-correct for soft       Card 3U         Image: Enable dot-correct for hardware       Card 4U         Image: Use monitor for card/box       Card 4D         Image: Use monitor for dot       Color         Image: Single Color only       Image: Enable Color Adjust
Width 1 Height 1 Manual Grey (a) 16 (b) 32 (c) 64 Screen power (c) Auto on/off (c) Off (c) Auto on/off (c) Manual asyn	Image: Transmission of the second
Hardware Hardware:83.C6 Momdel: TS801 Unallowable asyn other 32 dot change at 8 row 32 dot change at 16 row	Direction:   Left  Night  Offset:  Step:  Check Hardware  Default  Save on sender
	Exit Help

Tick Enable dot-correct for soft in Sender tag, Save on sender

2. Upload the CORRECT \*. RCG file and set the width and height, then send and save on receiver

Setup hardware parame	eters							
Sender Receiver Di	splay connection	1						
Drive chip: General	▼ Pr	resent so	can mode:	Full-color rea	l pixe 16 scan	File:	Unknown file	
Performance/effect	setup	_				Currenter (	en e	Lish Quality
refresh FRQ.	60	HZ	Max refres	h: 829Hz		Synchr	onous reiresn	
Scan clock:	2.0 -	Mhz	duty ratio:	50	9	% Gray	level: 32	✓ level
Row blanking time	300	ns	Blanking De	lay: 0	•	Grey	mode: std. refre	sh-lower li 🔻
Grey Start from Va	lue: Red 0		Green	) BI	ue 0	Grey	equalize: 0	
Virtual display				Rev	erse port orde	er		
Use row signal D	), twice pixel heig	ght		port	odd 2 even		Reverse p	bort bisect
Use row signal D	,C,B, 4 times pix	cel heigh	t	Sen	d idle clock be	fore data to send	Led fadei	n ex-setting
Use protected of	f chip			Dua Dua	D as Clock			Reverse port Start
Free show								
no display	🔘 random		🔘 logo			Load	l logo Save log	jo Test now
Load capacity setup	)							
Brightness effici	iency (including b	olanking)	: 47.54%		Min OE wid	th(>50ns):	21520 ns	
Max width: 3	31 Actual	width:	16	Max height:	256	Actual Height	256	
Enabel char	ige start Start	tX:	0			Start Y:	0	
	(	Intellige	ent setup	Load from f	les Sa	ive on files	Send to receiver	Save on receiver
<u> </u>								
							E	kit Help

3. Upload the **CORRECT** \*.CON file from **Display connection** tag, by **Load from file** Or Configure the CON file in DISPLAY CONNECTION, send and save the CON file.

Setup hardware parameters
Sender Receiver Display connection
Set mode: O Simple O Normal Complex
Remark: The dialog of settings for single or multi regulation led-screen. Display QTY: 4 Update display QTY
display 1 display 2 display 3 display 4
Type: real pixel display   Horizontal card 2 Vertical card 2 Virtual display
Gama <sup>3</sup>
1 2
Network cable
1 width:128 width:128
Network cable/Network cable
2 order No. 2 order No. 1 width: 128 width: 128
height:96 height:96
Main cable empty Extension cable 1 Order No. 1 Width Height 0 Abnormity
Card brightness:Red: 0 Green: 0 Blue: 0 Load Data Screen area color correction
Identify for Card     Save Card for maintain     Load from file     Save to file     Send to receiver     Save to receiver

If it is only one cabinet at a time for correction, configure the width and height to be the size of the cabinet. For example: **a cabinet** with 128\*80 resolution, and with **one receiving card**, the configuration will be as this:

Setup hardware parameters
Sender Receiver Display connection
Set mode: O Simple O Normal O Complex Use Auto-link
Remark: The dialog of settings for single or multi regulation led-screen. Display QTY: 1 Update display QTY
display 1
Type: real pixel display  Horizontal card 1 Vertical card 1 Virtual display
Gama 2.400 define Edit Red brightness 255 Green brightness 255 Blue brightness 255
1
Network cable No. 1U1
order No. 1
<sup>1</sup> width: 128
height:80
Main cable 1 No. sender U cab 🔻 Extension cable 1 Order No. 1 Width 128 Height 80 Abnormity
Card brightness:Red: 255 Green: 255 Blue: 255 Load Data Screen area color correction
Identify for Card     Save Card for maintain     Load from file     Save to file     Send to receiver   Save to receiver
Exit Help

A cabinet with 128\*80 resolution and with two receiving card to support width, the configuration will be as this:

Setup hardware parameters		
Sender Receiver Display connection	n	
Set mode: 🔘 Simple	Normal  Complex	🔲 Use Auto-link
Remark: The dialog of settings for s	single or multi regulation led-screen.	Display QTY: 1 Update display QTY
display 1		
Type: real pixel display 🔻	Horizontal card 2 Vertical card 1	Virtual display
i Gama 2.400 ⊙ define	Edit Red brightness 255 Green brightness	255 Blue brightness 255
1	2	
Network cable No. 1U1	Network cable No. 1U1	
order No. 1	order No. 2	
width:64	width:64	
height:80	height:80	
Main cable 1 No. sender U cab 👻	Extension cable 1 Order No. 2 Wi	idth 64 Height 80 Abnormity
Card brightness:Red: 255 Gree	en: 255 Blue: 255 Load Data	Screen area color correction
Identify for Card Save Card for	maintain Load from file Save to file	Send to receiver Save to receiver
		Exit Help

#### 4.1.3 Steps of Brightness Correction

#### 4.1.3.1 Click Screen area color correction, select Photo partition

Choose a correction mode from Software Single pixel, software2x2, software4x4, software8x8 Extsoftware

Input info in photo partition X Y

Click From camera

Correction for Full Screen	
From camera         Br. Inc/dec         Br. Mes.         Reset         In           Expected brightness red         51000         85         sreen         340	c. brightness Dec. brightness Adjust value load partition Save partition 00 85 <mark>blue</mark> 17000 85 <b>From file Save to file Test Save Ok</b>
Correction mode 💿 Hardware Single pixel 💿 Softwa	re Single pixel 🔘 Software2X2 🔘 Software4X4 🔘 Software8X8 🔘 ExtSoftware
adjust brightness fact brightness Photo partition	Photo partition X 64 Y 80 Border Dot O
Red Green Blue	Stat.:min0,max0,average0.0
1 2 1 1:64X80 2:64X80	

#### **Other Details:**

**Note:** hardware correction is to adjust the current of led display driver ic Leave **Expected brightness** as default value Single pixel: pixel by pixel correction, choose this if one receiving card carries within 96\*64

**Software2X2:** take two neighboring pixels in width and 2 neighboring pixels in height as one correction unit

**ExtSoftware**: enhanced software brightness correction, one receiving card supports **320\*256** single pixel correction

Note: ExtsSoftware need firmware support. And different should select **Exsoftware** or (Single pixel/software2X2/software4X4/software8X8) accordingly

**Photo partition**: set correction resolution for camera. This can be the resolution of the whole display. But a reasonable resolution according to camera lens generates a better correction effect. Our experienced technician favorite is within 160\*128.

	x
Reset Inc. brightness Dec. brightness Adjust value load partition Save partition	
🚔 green 34000 85 🊔 blue 17000 85 🚔 From file Save to file Test Save Ok	
xel 🧿 Software 🛛 Single pixel 🔘 Software2X2 🔘 Software4X4 🔘 Software8X8 🕥 ExtSoftware	
oto partition Photo partition X 64 Y 80 Border Dot O	
Stat.:minO, maxO, averageO.O	

Load partition: usually for **full** (led display) correction mode; load saved correction info to whole led display.

Note: before loading the .RVS, in photo partition X, Y, input the same X and Y info with the saved .RVS file (correction info file) otherwise, the .RVS cannot be loaded successfully.

Save partition: usually for **full** (led display) correction mode; after finishing brightness correction, save correction info to file.



From file: usually for **box** correction mode, if receiving card is changed with new one, load saved .RVS (correction info) to new receiving card

Save to file: usually for **box** correction mode, after finishing brightness correction, save .RVS correction info to file. For example, cabinet1.RVS

Test: compare the effects with and without correction info Save: save the .RVS file (correction info) in the flash memory of receiving card Border Dot: leave as default value after finishing brightness correction, save correction info to file.

■ 加载参数	
Preview Zoom in Demarcate Demarcate Load Dem. Last Next Test Save	]
Cr. Mode: OFull OBox Ms. Mode: OFast OMid OGood Multiple: 64	Box No.: 10000
Level:Red 120000 200 🚔 Gre 34000 85 🚔 Blue 17000 85 🚔 Modulus 16 🔲 Effect	Red 🔻 255
Box:      Normal      Reference      Differ	

4.1.3.2 Click from camera, Select Cr. Mode and Ms. Mode, click Preview

**Other Details:** 

	Cr. Mode: 🔘 Full 💿 Box	Ms. Mode: 💿 Fast 🔘 Mid 🔘 Good	Multiple: 64	Box No. : 10000
--	------------------------	-------------------------------	--------------	-----------------

Cr. Mode: correction mode, Full means to run brightness correction for a LED Display; box for single cabinet at a time.

Ms. Mode: measure mode. Fast is most time effective, then Mid, then Good. And theoretically, good has better correction effect than Mid, then Fast.

Multiple: 64. 1/64 Neutral Density Filter

Box No.: name the cabinets



Level: leave as default value Modulus: leave as default value Effect: after brightness correction finished, compare the cabinets with/without correction effect

Red: choose a color for compare 255: choose a value to compare

#### 4.1.3.3 Click Preview

Adjust the camera capture window to fit the size of cabinet. In proceeding brightness correction, the distance between camera and cabinet is around 15 meters. Make sure the camera and the cabinet is 90 degree angle, otherwise the correction effect will be affected. The red line (shown as following picture) should just fit the **white frame** of software.



#### 4.1.3.4 Start Demarcate,

Camera will measure and take photos automatically. Click **Save Demarcate**, save the file. Click **Load Demarcate file** for the next same specification cabinet. Save time when a lot of same specification cabinets need correction.

After **Demarcate** finished, the **Demarcate button** will automatically change to **Measure button**, click **start Measure**, the camera will take pictures of cabinet showing color of Red, Green, Blue.

Click **TEST** when **Measure** finished. After **TEST** finished, the effects of before correction and after correction will be shown. Click **SAVE** to save the after correction data into receiving card, meanwhile, **.RVS** file generated in root folder of ledstudio, named "SETDATA", the .RVS file should marked with the according receiving card. If receiving card changed, just upload the according .RVS file to the new receiving card.

■ 加载参数
Preview Zoom in Demarcate Load Dem. Last Next Test Save
Cr. Mode: 🔘 Full 💿 Box Ms. Mode: 💿 Fast 🔘 Mid 🔘 Good Multiple: 64
Level:Red 120000 200 🚔 Gr. 34000 85 🊔 Blu: 17000 85 🊔 Modulus 16 🔲 Effect
Box: 💿 Normal 🔘 Reference 📑 Differ
save demarcate

When first cabinet finish correct, **save demarcate** for the next cabinet. Next cabinet can just **load demarcate**, save time for demarcate again.

Save will save the correction info to cabinet receiving card.

#### 4.1.3.5 Whole LED Display Brightness Correction.

Follow the same steps, just in **photo partition**, set the width X and height Y to be the actual pixel of the cabinet, or set under X: 160, Y: 128, for example: 128\*96, 96\*64.

NOTE: If larger than 160\*128, the effect of brightness correction might be compromised.

When first partition is finished correction, click Next, till all photo partitions are finished.

NOTE: **save to file** of RVS after each partition finished correction, in case of computer freeze or software crash unexpectedly. Name the RVS file clearly that helps to know how many partition correction info is contained inside.

The correction will continue one partition after another partition, the last partition correction data (RVS) will contain all info for the whole display receiving cards.

		x
Reset Inc. b	brightness Dec. brightness Adjust value load partition Save partition	
🚔 green 34000	85 🌲 blue 17000 85 🌲 From file Save to file Test Save Ok	
xel 🧿 Software	Single pixel 🔘 Software2X2 🔘 Software4X4 🔘 Software8X8 🛛 ExtSoftware	
oto partition	Photo partition X 64 Y 80 Border Dot O	
Stat	t.:minO,maxO, averageO.O	

From file, load the RVS that contains all correction info and save will save the info to all receiving cards.

Back to Sender, enable dot-correct for soft, save on sender. Correction done!

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Setup hardware parameters		
Sender Receiver Display connection		
Display mode	8G only	Port of hot backup
Izaox1024       •         Hardware port       •         Main card       Auto       •         Y Start       •         Auto       120         Set Width       1024         StartX       0       StartY       0         Width       1       Height       1	<ul> <li>Use 8G</li> <li>Use 10 bit colors</li> <li>Use plug and play for DVI</li> <li>Enable dot-correct for soft</li> <li>Enable dot-correct for hardware</li> <li>Use monitor for card/box</li> <li>Use monitor for dot</li> <li>Single Color only</li> <li>Enable ExCard Bright</li> <li>Remember LAN</li> </ul>	Card 1U Card 1D Card 2U Card 2D Card 3U Card 3D Card 4U Card 4D Color ✓ Enable Color Adjust
Screen power Auto on/off Off Hardware Hardware:83.C6 Momdel: TS801 Asyn mode Manual asyn Unallowable asyn other 32 dot change at 8 row 32 dot change at 16 row	Virtual by interleaved Mode: None Direction:  Left Righ Offset: 0 Step: 0 Check Hardware Default	• t Save on sender
		Exit Help

### 4.1.3.6 Fact brightness

When brightness correction finished, fact brightness will have values of each pixel. FILL MELLO MARKE (PLAN SOLAR DAM

Correc	tion f	or Full S	creen-C:\	Program	n Files\Le	dSoft10	\SetData	\50136.R	VS	
From cam	era	Br. In	.c/dec	Br. Mes	s. Re	set ]	Inc. bri	ghtness	Dec.	brightness
Expect	ed br	i ghtnes:	s red	5100	8	green 5	100 12	2 🚔 Ы	.ue 510	0 25 🔮
Correct	ion m	ode 👝	Hardwar	e Single	pixel	) Soft	ware Si	ngle pix	ael 🔘 S	oftware2X2
adjust 1	bright	tness f	Eact bri	ghtness	Photo :	partiti	on			Photo par
Red	Gree	n Blu	e				Stat. :	minO, max	:O, aver:	ageO. O
	1	2	3	4	5	6	7	8	9	10

### 4.2 Manual Brightness Adjustment

LED Display with Linsn 8<sup>th</sup> control system is needed.

1. Open LedStudio, "Option"-"software setup"-key in "linsn"-password "168" show as following:

LedStudio11.25 - So	rreen1 - new.lsd	
File Control Tool	Option Test Help	
	Screen Combination/synchronism Set Brightness/Contrast/Color(B) Screen Area (Y) Play Background Lock LED Screen Properties Turn off LED screen power	
	Schedule Table Schedule Hide Setup	
	Language Show play Window LED Screen Monitor Hardware Setup	•
	Software Setup User Setup(U)	

Input Password	×
Please input Password:	Ok
	Cancel

#### Shenzhen Linsn Technology&Development Co.,Ltd

Setup hardware parameters	
Server     Display connection       Display mode       1280X1024       Hardware port       Main card       Auto       Set Width       1024       StartX       0       StartY	8G only       Port of hot backup         Image: Use 8G       Card 1U         Image: Use 10 bit colors       Card 1D         Image: Use 10 bit colors       Card 2U         Image: Use plug and play for DVI       Card 2D         Image: Enable dot-correct for soft       Card 3U         Image: Enable dot-correct for hardware       Card 4U         Image: Use monitor for card/box       Card 4D         Image: Use monitor for dot       Color         Image: Single Color only       Image: Enable Color Adjust
Width     1     Height     1       Manual Grey     I     Image: Street and Street	Image: Card Bright     5450       Image: Remember LAN     Image: State       Virtual by interleaved     Image: State       Mode:     None
Hardware:83.C6 Momdel: TS801 Unallowable asyn other 32 dot change at 8 row 32 dot change at 16 row	Direction:   Left  Right  Offset:  Step:  Check Hardware  Default  Save on sender
	Exit Help

Tick Enable dot-correct for soft in Sender tag, Save on sender

2. Upload the CORRECT \*. RCG file and set the width and height, then send and save on receiver

Setup hardware parame	eters								• X
Sender Receiver Dis	play connection	1							
Dender	play connection								
Drive chip: General	▼ Pro	esent so	an mode:	Full-color real	pixe 16 sca	an File	: Unknov	wn file	
Performance/effect	setup	-						inada 🔲 Uinda	Quality
refresh FRQ.	60	HZ	Max refresh:	829Hz			synchronous ren	resnnign	
Scan clock:	2.0 🔻	Mhz	duty ratio:	50		%	Gray level: 3	2	
Row blanking time	300	ns	Blanking Dela	ay: 0	•		Grey mode: s	td. refresh-lowe	er li 🔻
Grey Start from Va	lue: Red 0		Green 0	Blu	Je 0		Grey equalize:	0	
Virtual display				Reve	erse port or	der		average part hiss	-
Use row signal D	, twice pixel heig	ht		port	odd 2 even	1	E K	everse port bise	ect
Use row signal D	,C,B, 4 times pix	el height	t	Seno	l idle clock b	efore data t	o send		ex-setting
Use protected of	f chip			📃 Dual	D as Clock			Reverse	e port Start
Free show									
no display	🔘 random		🔘 logo				Load logo	Save logo	Fest now
Load capacity setup	)								
Brightness effici	ency (including bl	lanking):	47.54%		Min OE wi	idth(>50ns):	21520 ns		
Max width: 3	31 Actual	width:	16	Max height:	256	Actual He	ight 256		
Enabel chan	ge start Start	х:	0			Start Y:	0		
		Intellige	nt setup	Load from fi	es 🤅	Save on files	Send to re	eceiver Sav	e on receiver
								Evit	
								EXIL	heip

# 3. Upload the **CORRECT** \*.CON file from **Display connection** tag, by **Load from file** Or Configure the CON file in DISPLAY CONNECTION, send and save the CON file.

Setup hardware parameters
Sender Receiver Display connection
Set mode: O Simple O Normal O Complex
Remark: The dialog of settings for single or multi regulation led-screen. Display QTY: 4 Update display QTY
display 1 display 2 display 3 display 4
Type: real pixel display Vertical card 2 Vertical card 2 Virtual display
Gama 3 ○ define Edit Red brightness 255 Green brightness 255 Blue brightness 255     Bue brightness 255
Network cable order No. 3 order No. 4
width: 128 width: 128 height: 96 height: 96
Network cable Network cable
2 width:128 width:128
neight 30 neight 30
Main cable     empty     Textension cable     1     Order No.     1     Width     0     Height     Abnormity
Card brightness:Red: 0 Green: 0 Blue: 0 Load Data Screen area color correction
Identify for Card       Save Card for maintain       Load from file       Save to file       Send to receiver       Save to receiver
Exit Help

4. Manually change the **whole led display** or **single receiving card** RGB Value

Setup hardware parameters	
Sender Receiver Display connection	
Set mode: O Simple O Normal O Complex	Use Auto-link
Remark: The dialog of settings for single or multi regulation led-screen. Display OTY: 1	Update display QTY
display 1	
Type: real pixel display  Vertical card 2 Vertical card 2 Virtual display	ау
	255
1 2	
Network cable Network cable order No. 1 order No. 2	
width: 128 width: 128 height: 96 change th	e whole led display
Network cable BGB value	
2 order No. 4 order No. 3 width: 128 width: 128 height: 96 height: 96	
change the selected	
receiving card RGB value	
Main cable 1 No. sender U cab V Extension cable 1 Order No. 4 Width 128 Height 9	6 Abnormity
Card brightness:Red: 255 Green: 255 Blue: 255 Load Data	Screen area color correction
Identify for Card Save Card for maintain Load from file Save to file Send to receiver	Save to receiver
	Exit Help

#### 5. Change selected pixel(s) RGB value, Click Screen area color correction,

#### Select adjust brightness

Choose a correction mode from Software Single pixel, software2x2, software4x4, software8x8 Extsoftware

	Cor	recti	on f	or Fi	ull Sc	reer	n																												
Fr	om	came:	ra	Br.	In	c/de	c] [	Br.	Mes	. [	Res	set	] Ir	ic. ł	origl	htne	ss	Dec.	br	i ght	ness		Adju	st v	alue	] [	oad	par	titi	on	Save	par	titi	on	
	Exp	ecte	d br	ight	ness	s re	d	5100	0 8	85	<u>ا</u>	reer	34	000	85	×	blu	le 1	7000	85			rom	fil	e ] [	Save	e to	fil	e	ſest	S	ave	C OI	k	
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а	djus	t ba	i gh	tnes	s f	act	brig	ghtne	222	Pho	to p	arti	tior	L						Phot	o pa	rtit	ion	X	64	Y	48		Bor	der	Dot	0			
	Red		Gree	n	Blue	2								Stat	t. : m:	i n25	5, ma	x255	, ave	erage	255.	0, e	ffec	t:10	0.00	1%									
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	6	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	ŝ
	7	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	
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#### **Details explanation**

Note: hardware correction is to adjust the current of led display driver ic

**Single pixel:** pixel by pixel correction, choose this if one receiving card carries within 96\*64 **Software2X2:** take two neighboring pixels in width and 2 neighboring pixels in height as one correction unit

**ExtSoftware**: enhanced software brightness correction, one receiving card supports **320\*256** single pixel correction

Note: ExtsSoftware need firmware support. And different should select **Exsoftware** or (Single pixel/software2X2/software4X4/software8X8) accordingly

6. Select pixel(s) for adjustment

Select a color (Red/Green/Blue) to adjust

Click Inc. brightness/Dec. brightness/Adjust value

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Expected bright         bright           Correction model         green           djust bright         green           1         2         3           1         2         3           1         2         3           1         2         3           2         255         255           3         255         255           4         255         255           5         255         255           6         255         255           7         255         255           8         255         255           9         255         255           10         255         255           11         255         255           13         255         255           14         25         255           15         255         255 | Correction for Full Sc           com         Br. In           Expected         brightness           Correction         mode           djust         brightness           djust         brightness           djust         brightness           freen         Blu           1         2         3           255         255         255           255         255         255           255         255         255           255         255         255           255         255         255           255         255         255           255         255         255           255         255         255           255         255         255           255         255         255           255         255         255           10         255         255           12         255         255           14         255         255           14         255         255           15         255         255 | Correction for Full Screen           com camera         Br.         Inc/de           Expected brightness red         Green         Blue           djust brightness         fact           Red         Green         Blue           1         2         3         4           255         255         255         255           2         255         255         255           3         255         255         255           4         255         255         255           5         255         255         255           6         255         255         255           7         255         255         255           8         255         255         255           9         255         255         255           10         255         255         255           12         255         255         255           13         255         255         255           14         255         255         255           13         255         255         255           14         255         255         255 | Correction for Full Screen           own camera         Br. Inc/dec           Expected brightness red         Hardward           djust brightness         fact brightness           green         Blue           1         2         3         4         5         6           1         2         3         4         5         6           1         2         3         4         5         6           1         2         3         4         5         6           1         2         3         4         5         6           1         2         3         4         5         6           1         2         3         4         5         6           1         2         3         4         5         6           1         2         3         4         5         6           2         255         255         255         255         255         255           3         255         255         255         255         255         255         255           9         255         255         255         255 | Correction for Full Screen           form cameral         Br.         Inc/dec         Br.           Expected brightness         Fact brightness         5100           Correction mode         Hardware Sin         Global           djust brightness         Fact brightness         Fact brightness           1         2         3         4         5         6         7           1         2         3         4         5         6         7           1         2         3         4         5         6         7           1         25         255         255         255         255         255         255         255           2         255         255         255         255         255         255         255           3         255         255         255         255         255         255         255           4         255         255         255         255         255         255           5         255         255         255         255         255         255           6         255         255         255         255         255         255 | Correction for Full Screen           form camera         Br.         Inc/dec         Br.         Mes           Supercial brightness red         51000         6           Correction mode         Hardware         Single           Gate         Fact         brightness         fact         brightness           Gate         Blue           I         2         3         4         5         6         7         8           I         2         3         4         5         6         7         8           I         2         3         4         5         6         7         8           I         2         3         4         5         6         7         8           I         2         3         4         5         6         7         8           I         2         3         4         5         6         7         8           I         2         3         4         5         6         7         8           I         2         3         4 <th>Correction for Full Screen           rom camera         Br. Inc/dec         Br. Mes.           Expected brightness red         51000         85           Correction mode         Hardware Single pix           djust brightness         fact brightness         Pho           Red         Green         Blue         Pho           1         2         3         4         5         6         7         8         9           1         2         3         4         5         6         7         8         9           1         2         3         4         5         6         7         8         9           1         2         3         4         5         6         7         8         9           1         2         3         4         5         6         7         8         9           1         2         3         4         5         6         7         8         9           1         2         3         4         5         6         7         8         9           1         2         3         4         5         6         &lt;</th> <th>Correction for Full Screen           rom camera         Br. Inc/dec         Br. Mes.         Res.           Expected brightness red         51000         65         g           Correction mode         Hardware Single pixel         G           djust brightness         fact brightness         Photo p           Red         Green         Blue         Fact brightness         Photo p           1         2         3         4         5         6         7         8         9         10           1         2         3         4         5         6         7         8         9         10           1         25         255</th> <th>Correction for Full Screen           Rest           So           Correction mode         Hardware Single pixel         So           Correction mode         Hardware Single pixel         So           Green         Blue           I         2         So           I         2         So         So           I         I         I         So           I         <th colspan="2" i<="" th=""><th>Correction for Full Screen           Reset         Inc/dec         Br. Mes.         Reset         Inc/dec           Supercision of Full Screen           Green         Blue           I         2         State of Full Screen           I         2         State of Full Screen         Plate           I         2         State of Full Screen         Plate           I         2         State of Full Screen           I         2         State of Full Screen           I         2         State of Full Screen           I         I         State of Full Screen           I         I         State of Full Screen           I<th>Correction for Full Screen           Form camera         Br.         Inc/dec         Br.         Mes.         Reset         Inc. b           Expected brightness red         51000         85         green         34000           Correction mode         Hardware Single pixel         Software         34000         
 Correction mode         Hardware Single pixel         Software           djust brightness         fact brightness         Photo partition           Red         Green         Blue         Stat           1         2         3         4         5         6         7         8         9         10         11         12         13           1         2         3         4         5         6         7         8         9         10         11         12         13           1         25         255<th>Correction for Full Screen           form camera         Br.         Inc/dec         Br.         Mes.         Reset         Inc.         bright           Expected brightness red         51000         85         green         34000         85           Correction mode         Hardware Single pixel         Software         Single pixel</th><th>Correction for Full Screen           rom camera         Br.         Inc/dec         Br.         Mes.         Reset         Inc.         brightnes           Expected brightness         red         51000         65         green         34000         85        </th><th>Correction for Full Screen           rom camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness           Expected brightness red         51000         65         green         34000         85         blu           Correction mode         Hardware Single pixel         Software         Single pixel         Software         Single pixel           djust brightness         fact brightness         Photo partition         Stat. :min255, ma           Red         Green         Blue         Stat. :min255, ma         Stat. :min255, ma           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16           1         25         255<!--</th--><th>Correction for Full Screen           Inc. brightness         Jec.           The description         Reset         Inc. brightness         Jec.           Expected brightness red         Single pixel         Software         Single pixel         Software         Single pixel           Green         Blue         Stat. :min255.max255           Inc. brightness         Photo partition           Red         Green         Blue         Stat. :min255.max255           Inc. brightness         Photo partition           Stat. :min255.max255           Inc. brightness         Stat. :min255.max255           Inc. brightness         Stat. :min255.max255           Stat. :min</th><th>Correction for Full Screen           rom camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. br.           Expected brightness red         51000         85         green         34000         85         blue         17000           Correction mode         Hardware Single pixel         Software         Single pixel         Software         Single pixel         Software           djust brightness         fact brightness         Photo partition         Stat.:min255.max255.max255.set           Red         Green         Blue         Stat.:min255.max255.cet         Stat         Stat</th><th>Correction for Full Screen           rom camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. bright           Expected brightness red         51000         85         green         34000         85         blue         17000         85           Correction mode         Hardware Single pixel         Software         Single pixel         Software         Single pixel         Software           djust brightness         fact brightness         Photo partition         Yehot         Stat. :min255, max255, average           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19           1         25         255         255         255         255         255         255         255         255         255         255         255         255         255         255</th><th>Correction for Full Screen           om camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness           Expected brightness         red         51000         85         green         34000         85         blue         17000         85           Correction mode         Hardware Single pixel         Software         Single pixel         Software 2X2           djust brightness         fact brightness         Photo patrition         Yhoto patrition         Yhoto patrition           Red         Green         Blue         Stat. :min255, max255, average255.           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20           1         2         3         4         5         6         7         8         9         10         &lt;</th><th>Correction for Full Screen           om camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Dec. brightness           Expected brightness         red         51000         85         green         34000         85         blue         17000         85         0           Correction mode         Hardware Single pixel         Software         Single pixel         Software         Single pixel         Software2X2         0           djust brightness         fact brightness         Photo partition         Stat         :min255.max255.serage255.0, e         Photo partition           Red         Green         Blue         Stat         :min255.max255.serage255.0, e         Stat         :sin255.max255.serage255.0, e           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20         21           2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         <t< th=""><th>Correction for Full Screen           rom camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Adju           Expected brightness red         51000         65         green         34000         85         blue         17000         65         green           Correction mode         Hardware Single pixel         Software         Single pixel         Software222         Software222         Software222         Software2222         Sof</th><th>Correction for Full Screen           com         camera         Br.         Inc/dec         Br.         Mes.         Reset         Inc.         brightness         Dec.         brightness         Adjust v           Expected brightness         Fad ware         51000         65         green         34000         85         blue         17000         85         From fill           Correction mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software2X2         Software           djust brightness         fact         brightness         Photo         partition         Y         Photo         partition         X           Red         Green         Blue         Stat.         ini225, max255, average255.0, effect: 10           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20         21         22         23           1         2         3         4         5         6         7         8         9         10         11         12         14         15<!--</th--><th>Correction for Full Screen           Res.         Res.         Res.         Inc. brightness         Dec. brightness         Adjust value           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file           Orrection mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4           djust brightness         fact brightness         Photo partition         X         64           Red         Green         Blue         Stat.:min255.max255.average255.0.effect:100.00           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         9         21         22         23         24          
255         255</th><th>Correction for Full Screen         Inc. dec       Br. Mes.       Reset       Inc. brightness       Dec. brightness       Adjust value       1         Expected brightness red       51000       85       green       34000       65       blue       17000       65       From file       Save         Orrection mode       Hardware Single pixel       Software Single pixel       Software2X2       Software4X4       Software4X4       Software4X4         Green       Blue       Stat       inin255, max255, average255.0, effect: 100.00X         1       2       3       10       11       1       Photo partition       X       64       Y         Recent       Stat       inin255, max255, average255.0, effect: 100.00X         1       2       3       4       5         Stat       inin255, max255, average255.0, effect: 100.00X         2       2       2       2       2       2       2       <th cols<="" th=""><th>Correction for Full Screen         Inc. dec       Br. Mes.       Reset       Inc. brightness       Dec. brightness       Adjust value       load         Expected brightness red       51000       85       From file       Save to         Orrection mode       Hardware Single pixel       Software Single pixel       Software2X2       Software4X4       Software4X4         Green       Blue       Stat. :min255, max255, average255.0, effect: 100.00%         1       2       3       Photo partition       X       64       Y       48         Green       Blue       Stat. :min255, max255, average255.0, effect: 100.00%         1       2       3       40       Stat. :min255, max255, average255.0, effect: 100.00%         1       2       3       4       From file       Save to         1       2       4       7       8       9       10       11       1</th><th>Correction for Full Screen           om camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Adjust value         load part           Expected brightness red         51000         85 green         34000         85 green         Adjust value         load part           Correction mode         Hardware Single pixel         Software 2X2         Software 4X4         <th cols<="" th=""><th>Correction for Full Screen           om camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Adjust value         load partition           Expected brightness red         51000         85 erg green         34000         85 erg blue         17000         85 erg blue           Correction mode         Hardware Single pixel         Software Single pixel         Software 2X2         Software 4X4         Software 8X8           djust brightness         Photo partition         X         64         Y         48         But           Stat: :min255.max255.severage255         Content::00.00%           2         Content::00.00%           2         2         2         Stat: :min255.max255.severage255         Content::00.00%           2         2         2         2         2         2         2         2         2         2         2         2         2</th><th>Correction for Full Screen         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Adjust value         load partition           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file         Save to file         Text           Correction mode         Hardware Single pixel         Software         Software Single pixel         Software 2X2         Software4X4         Software8X8         9           djust brightness         fact brightness         Photo partition         X         64         Y         48         Border           Red         Green         Blue         Stat: :min255, max255, average255.0, effect: 100.00%         22         23         24         25         25         255<th>Correction for Full Screen         Br.         Inc.         Brightness         Dec.         brightness         Adjust value         load partition         Save           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file         Save to file         Test         S.           Correction mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4         Software8X8         © ExtS           djust brightness         fact brightness         Photo partition         X         64         Y         48         Border Dot           Red         Green         Blue         Stat&lt;:min255         swez255         sweze255         opertition         X         64         Y         48         Border Dot           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         17         18         19         20         21         22         23         24         25         25         255         255         255         255         255         255         255         2</th><th>Correction for full Screen         Br. Inc/dec         Br. Mes         Inc. brightness         Dec. brightness         Adjust value         load partition         Save partition           Experted brightness red         51000         6         green         34000         85         blue         17000         85         From file         Save to file         Test         Save           Correction node         Hardware Single pixel         Software         Single pixel         Software4X4         Software</th><th>Correction for full Screen         Br. Inc/dec         Br. Mes.         Inc. brightness         Dec. brightness         Adjust value         load partition         Save partitie           Experted brightness red         51000         6         green         34000         85         blue         17000         85         Prom file         Save to file         Test         Save         00           Correction node         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4         Software4X4         Software4X4         Software4X4         Border Dot 0           Red         Fact brightness         Photo partition         X         64         Y         48         Border Dot 0         Software4X4         Softw</th><th>Correction for Full Screen         Br. Inc/dec         Br. Mes.         Reset         Inc.         brightness         Dec.         brightness         Adjust value         load partition         Save partition           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file         Save to file         Test         Save         0k           Correction mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4         Software4X4         Software4X4         Software4X4         Software4X4         Software         Buc         Distantation         Reset         Int.         Save         0k           djust brightness         fact brightness         Photo partition         X         64         Y         46         Border Dot 0         Distantation         Reset         Int.         Int.</th></th></th></th></th></th></th></t<></th></th></th></th></th></th> | Correction for Full Screen           rom camera         Br. Inc/dec         Br. Mes.           Expected brightness red         51000         85           Correction mode         Hardware Single pix           djust brightness         fact brightness         Pho           Red         Green         Blue         Pho           1         2         3         4         5         6         7         8         9           1         2         3         4         5         6         7         8         9           1         2         3         4         5         6         7         8         9           1         2         3         4         5         6         7         8         9           1         2         3         4         5         6         7         8         9           1         2         3         4         5         6         7         8         9           1         2         3         4         5         6         7         8         9           1         2         3         4         5         6         < | Correction for Full Screen           rom camera         Br. Inc/dec         Br. Mes.         Res.           Expected brightness red         51000         65         g           Correction mode         Hardware Single pixel         G           djust brightness         fact brightness         Photo p           Red         Green         Blue         Fact brightness         Photo p           1         2         3         4         5         6         7         8         9         10           1         2         3         4         5         6         7         8         9         10           1         25         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255    
    255         255 | Correction for Full Screen           Rest           So           Correction mode         Hardware Single pixel         So           Correction mode         Hardware Single pixel         So           Green         Blue           I         2         So           I         2         So         So           I         I         I         So           I <th colspan="2" i<="" th=""><th>Correction for Full Screen           Reset         Inc/dec         Br. Mes.         Reset         Inc/dec           Supercision of Full Screen           Green         Blue           I         2         State of Full Screen           I         2         State of Full Screen         Plate           I         2         State of Full Screen         Plate           I         2         State of Full Screen           I         2         State of Full Screen           I         2         State of Full Screen           I         I         State of Full Screen           I         I         State of Full Screen           I<th>Correction for Full Screen           Form camera         Br.         Inc/dec         Br.         Mes.         Reset         Inc. b           Expected brightness red         51000         85         green         34000           Correction mode         Hardware Single pixel         Software         34000           Correction mode         Hardware Single pixel         Software           djust brightness         fact brightness         Photo partition           Red         Green         Blue         Stat           1         2         3         4         5         6         7         8         9         10         11         12         13           1         2         3         4         5         6         7         8         9         10         11         12         13           1         25         255<th>Correction for Full Screen           form camera         Br.         Inc/dec         Br.         Mes.         Reset         Inc.         bright           Expected brightness red         51000         85         green         34000         85           Correction mode         Hardware Single pixel         Software         Single pixel</th><th>Correction for Full Screen           rom camera         Br.         Inc/dec         Br.         Mes.         Reset         Inc.         brightnes           Expected brightness         red         51000         65         green         34000         85        </th><th>Correction for Full Screen           rom camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness           Expected brightness red         51000         65         green         34000         85         blu           Correction mode         Hardware Single pixel         Software         Single pixel         Software         Single pixel           djust brightness         fact brightness         Photo partition         Stat. :min255, ma           Red         Green         Blue         Stat. :min255, ma         Stat. :min255, ma           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16           1         25         255<!--</th--><th>Correction for Full Screen           Inc. brightness         Jec.           The description         Reset         Inc. brightness         Jec.           Expected brightness red         Single pixel         Software         Single pixel         Software         Single pixel           Green         Blue         Stat. :min255.max255           Inc. brightness         Photo partition           Red         Green         Blue         Stat. :min255.max255           Inc. brightness         Photo partition           Stat. :min255.max255           Inc. brightness         Stat. :min255.max255           Inc. brightness         Stat. :min255.max255           Stat. :min</th><th>Correction for Full Screen           rom camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. br.           Expected brightness red         51000         85         green         34000         85         blue         17000           Correction mode         Hardware Single pixel         Software         Single pixel         Software         Single pixel         Software           djust brightness         fact brightness         Photo partition         Stat.:min255.max255.max255.set           Red         Green         Blue         Stat.:min255.max255.cet         Stat         Stat</th><th>Correction for Full Screen           rom camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. bright           Expected brightness red         51000         85         green         34000         85         blue         17000         85           Correction mode         Hardware Single pixel         Software         Single pixel         Software         Single pixel         Software           djust brightness         fact brightness         Photo partition         Yehot         Stat. :min255, max255, average           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19           1         25         255         255         255         255         255         255         255         255         255         255         255         255         255         255</th><th>Correction for Full Screen           om camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness           Expected brightness         red         51000         85         green         34000         85         blue         17000         85           Correction mode         Hardware Single pixel         Software         Single pixel         Software 2X2           djust brightness         fact brightness         Photo patrition         Yhoto patrition         Yhoto patrition           Red         Green         Blue         Stat. :min255, max255, average255.           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20           1         2         3         4         5         6         7         8         9         10         &lt;</th><th>Correction for Full Screen           om camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Dec. brightness           Expected brightness         red         51000         85         green         34000         85         blue         17000         85         0           Correction mode         Hardware Single pixel         Software         Single pixel         Software         Single pixel         Software2X2         0           djust brightness         fact brightness         Photo partition         Stat         :min255.max255.serage255.0, e         Photo partition           Red         Green         Blue         Stat         :min255.max255.serage255.0, e         Stat         :sin255.max255.serage255.0, e           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20         21           2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         <t< th=""><th>Correction for Full Screen           rom camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Adju           Expected brightness red         51000         65         green         34000         85         blue         17000         65         green           Correction mode         Hardware Single pixel         Software         Single pixel         Software222         Software222         Software222         Software2222         Sof</th><th>Correction for Full Screen           com         camera         Br.         Inc/dec         Br.         Mes.         Reset         Inc.         brightness         Dec.         brightness         Adjust v           Expected brightness         Fad ware         51000         65         green         34000         85         blue         17000         85         From fill           Correction mode         Hardware Single pixel     
   Software         Single pixel         Software2X2         Software2X2         Software           djust brightness         fact         brightness         Photo         partition         Y         Photo         partition         X           Red         Green         Blue         Stat.         ini225, max255, average255.0, effect: 10           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20         21         22         23           1         2         3         4         5         6         7         8         9         10         11         12         14         15<!--</th--><th>Correction for Full Screen           Res.         Res.         Res.         Inc. brightness         Dec. brightness         Adjust value           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file           Orrection mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4           djust brightness         fact brightness         Photo partition         X         64           Red         Green         Blue         Stat.:min255.max255.average255.0.effect:100.00           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         9         21         22         23         24           255</th><th>Correction for Full Screen         Inc. dec       Br. Mes.       Reset       Inc. brightness       Dec. brightness       Adjust value       1         Expected brightness red       51000       85       green       34000       65       blue       17000       65       From file       Save         Orrection mode       Hardware Single pixel       Software Single pixel       Software2X2       Software4X4       Software4X4       Software4X4         Green       Blue       Stat       inin255, max255, average255.0, effect: 100.00X         1       2       3       10       11       1       Photo partition       X       64       Y         Recent       Stat       inin255, max255, average255.0, effect: 100.00X         1       2       3       4       5         Stat       inin255, max255, average255.0, effect: 100.00X         2       2       2       2       2       2       2       <th cols<="" th=""><th>Correction for Full Screen         Inc. dec       Br. Mes.       Reset       Inc. brightness       Dec. brightness       Adjust value       load         Expected brightness red       51000       85       From file       Save to         Orrection mode       Hardware Single pixel       Software Single pixel       Software2X2       Software4X4       Software4X4         Green       Blue       Stat. :min255, max255, average255.0, effect: 100.00%         1       2       3       Photo partition       X       64       Y       48         Green       Blue       Stat. :min255, max255, average255.0, effect: 100.00%         1       2       3       40       Stat. :min255, max255, average255.0, effect: 100.00%         1       2       3       4       From file       Save to         1       2       4       7       8       9       10       11       1</th><th>Correction for Full Screen           om camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Adjust value         load part           Expected brightness red         51000         85 green         34000         85 green         Adjust value         load part           Correction mode         Hardware Single pixel         Software 2X2         Software 4X4         <th cols<="" th=""><th>Correction for Full Screen           om camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Adjust value         load partition           Expected brightness red         51000         85 erg green         34000         85 erg blue         17000         85 erg blue           Correction mode         Hardware Single pixel         Software Single pixel         Software 2X2         Software 4X4         Software 8X8           djust brightness         Photo partition         X         64         Y         48         But           Stat: :min255.max255.severage255         Content::00.00%           2         Content::00.00%           2         2         2         Stat: :min255.max255.severage255         Content::00.00%           2         2         2         2         2         2         2         2         2         2         2         2         2</th><th>Correction for Full Screen         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Adjust value         load partition           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file         Save to file         Text           Correction mode         Hardware Single pixel         Software         Software Single pixel         Software 2X2         Software4X4         Software8X8         9           djust brightness         fact brightness         Photo partition         X         64         Y         48         Border           Red         Green         Blue         Stat: :min255, max255, average255.0, effect: 100.00%         22         23         24         25         25         255<th>Correction for Full Screen         Br.         Inc.         Brightness         Dec.         brightness         Adjust value         load partition         Save           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file         Save to file         Test         S.           Correction mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4         Software8X8         © ExtS           djust brightness         fact brightness         Photo partition         X         64         Y         48         Border Dot           Red         Green         Blue         Stat&lt;:min255         swez255         sweze255         opertition         X         64         Y         48         Border Dot           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         17         18         19         20         21         22         23         24         25         25         255         255         255         255         255         255         255         2</th><th>Correction for full Screen         Br. Inc/dec         Br. Mes         Inc. brightness         Dec. brightness         Adjust value         load partition         Save partition           Experted brightness red         51000         6         green         34000         85         blue         17000         85         From file         Save to file         Test         Save           Correction node         Hardware Single pixel         Software         Single pixel         Software4X4         Software</th><th>Correction for full Screen         Br. Inc/dec         Br. Mes.         Inc. brightness         Dec. brightness         Adjust value         load partition         Save partitie           Experted brightness red         51000         6         green         34000         85         blue         17000         85         Prom file         Save to file         Test         Save         00           Correction node         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4         Software4X4         Software4X4         Software4X4         Border Dot 0           Red         Fact brightness         Photo partition         X         64         Y         48         Border Dot 0         Software4X4         Softw</th><th>Correction for Full Screen         Br. Inc/dec         Br. Mes.         Reset         Inc.         brightness         Dec.         brightness         Adjust value         load partition         Save partition           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file         Save to file         Test         Save         0k           Correction mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4         Software4X4         Software4X4         Software4X4         Software4X4         Software         Buc         Distantation         Reset         Int.         Save         0k           djust brightness         fact brightness         Photo partition         X         64         Y         46         Border Dot 0         Distantation         Reset         Int.         Int.</th></th></th></th></th></th></th></t<></th></th></th></th></th> | <th>Correction for Full Screen           Reset         Inc/dec         Br. Mes.         Reset         Inc/dec           Supercision of Full Screen           Green         Blue           I         2         State of Full Screen           I 
       2         State of Full Screen         Plate           I         2         State of Full Screen         Plate           I         2         State of Full Screen           I         2         State of Full Screen           I         2         State of Full Screen           I         I         State of Full Screen           I         I         State of Full Screen           I<th>Correction for Full Screen           Form camera         Br.         Inc/dec         Br.         Mes.         Reset         Inc. b           Expected brightness red         51000         85         green         34000           Correction mode         Hardware Single pixel         Software         34000           Correction mode         Hardware Single pixel         Software           djust brightness         fact brightness         Photo partition           Red         Green         Blue         Stat           1         2         3         4         5         6         7         8         9         10         11         12         13           1         2         3         4         5         6         7         8         9         10         11         12         13           1         25         255<th>Correction for Full Screen           form camera         Br.         Inc/dec         Br.         Mes.         Reset         Inc.         bright           Expected brightness red         51000         85         green         34000         85           Correction mode         Hardware Single pixel         Software         Single pixel</th><th>Correction for Full Screen           rom camera         Br.         Inc/dec         Br.         Mes.         Reset         Inc.         brightnes           Expected brightness         red         51000         65         green         34000         85        </th><th>Correction for Full Screen           rom camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness           Expected brightness red         51000         65         green         34000         85         blu           Correction mode         Hardware Single pixel         Software         Single pixel         Software         Single pixel           djust brightness         fact brightness         Photo partition         Stat. :min255, ma           Red         Green         Blue         Stat. :min255, ma         Stat. :min255, ma           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16           1         25         255<!--</th--><th>Correction for Full Screen           Inc. brightness         Jec.           The description         Reset         Inc. brightness         Jec.           Expected brightness red         Single pixel         Software         Single pixel         Software         Single pixel           Green         Blue         Stat. :min255.max255           Inc. brightness         Photo partition           Red         Green         Blue         Stat. :min255.max255           Inc. brightness         Photo partition           Stat. :min255.max255           Inc. brightness         Stat. :min255.max255           Inc. brightness         Stat. :min255.max255           Stat. :min</th><th>Correction for Full Screen           rom camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. br.           Expected brightness red         51000         85         green         34000         85         blue         17000           Correction mode         Hardware Single pixel         Software         Single pixel         Software         Single pixel         Software           djust brightness         fact brightness         Photo partition         Stat.:min255.max255.max255.set           Red         Green         Blue         Stat.:min255.max255.cet         Stat         Stat</th><th>Correction for Full Screen           rom camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. bright           Expected brightness red         51000         85         green         34000         85         blue         17000         85           Correction mode         Hardware Single pixel         Software         Single pixel         Software         Single pixel         Software           djust brightness         fact brightness         Photo partition         Yehot         Stat. :min255, max255, average           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19           1         25         255         255         255         255         255         255         255         255         255         255         255         255         255         255</th><th>Correction for Full Screen           om camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness           Expected brightness         red         51000         85         green         34000         85         blue         17000         85           Correction mode         Hardware Single pixel         Software         Single pixel         Software 2X2           djust brightness         fact brightness         Photo patrition         Yhoto patrition         Yhoto patrition           Red         Green         Blue         Stat. :min255, max255, average255.           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20           1         2         3         4         5         6         7         8         9         10         &lt;</th><th>Correction for Full Screen           om camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Dec. brightness           Expected brightness         red         51000         85         green         34000         85         blue         17000         85         0           Correction mode         Hardware Single pixel         Software         Single pixel         Software         Single pixel         Software2X2         0           djust brightness         fact brightness         Photo partition         Stat         :min255.max255.serage255.0, e         Photo partition           Red         Green         Blue         Stat         :min255.max255.serage255.0, e         Stat         :sin255.max255.serage255.0, e           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20         21           2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         <t< th=""><th>Correction for Full Screen           rom camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Adju           Expected brightness red         51000         65         green         34000         85         blue         17000         65         green           Correction mode         Hardware Single pixel         Software         Single pixel         Software222         Software222         Software222         Software2222         Sof</th><th>Correction for Full Screen           com         camera         Br.         Inc/dec         Br.         Mes.         Reset         Inc.         brightness         Dec.         brightness         Adjust v           Expected brightness         Fad ware         51000         65         green         34000         85         blue         17000         85         From fill           Correction mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software2X2         Software           djust brightness         fact         brightness         Photo         partition         Y         Photo         partition         X           Red         Green         Blue         Stat.         ini225, max255, average255.0, effect: 10           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20         21         22         23           1         2         3         4         5         6         7         8         9         10         11         12         14         15<!--</th--><th>Correction for Full Screen           Res.         Res.         Res.         Inc. brightness         Dec. brightness         Adjust value           Expected brightness red 
       51000         85         green         34000         85         blue         17000         85         From file           Orrection mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4           djust brightness         fact brightness         Photo partition         X         64           Red         Green         Blue         Stat.:min255.max255.average255.0.effect:100.00           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         9         21         22         23         24           255</th><th>Correction for Full Screen         Inc. dec       Br. Mes.       Reset       Inc. brightness       Dec. brightness       Adjust value       1         Expected brightness red       51000       85       green       34000       65       blue       17000       65       From file       Save         Orrection mode       Hardware Single pixel       Software Single pixel       Software2X2       Software4X4       Software4X4       Software4X4         Green       Blue       Stat       inin255, max255, average255.0, effect: 100.00X         1       2       3       10       11       1       Photo partition       X       64       Y         Recent       Stat       inin255, max255, average255.0, effect: 100.00X         1       2       3       4       5         Stat       inin255, max255, average255.0, effect: 100.00X         2       2       2       2       2       2       2       <th cols<="" th=""><th>Correction for Full Screen         Inc. dec       Br. Mes.       Reset       Inc. brightness       Dec. brightness       Adjust value       load         Expected brightness red       51000       85       From file       Save to         Orrection mode       Hardware Single pixel       Software Single pixel       Software2X2       Software4X4       Software4X4         Green       Blue       Stat. :min255, max255, average255.0, effect: 100.00%         1       2       3       Photo partition       X       64       Y       48         Green       Blue       Stat. :min255, max255, average255.0, effect: 100.00%         1       2       3       40       Stat. :min255, max255, average255.0, effect: 100.00%         1       2       3       4       From file       Save to         1       2       4       7       8       9       10       11       1</th><th>Correction for Full Screen           om camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Adjust value         load part           Expected brightness red         51000         85 green         34000         85 green         Adjust value         load part           Correction mode         Hardware Single pixel         Software 2X2         Software 4X4         <th cols<="" th=""><th>Correction for Full Screen           om camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Adjust value         load partition           Expected brightness red         51000         85 erg green         34000         85 erg blue         17000         85 erg blue           Correction mode         Hardware Single pixel         Software Single pixel         Software 2X2         Software 4X4         Software 8X8           djust brightness         Photo partition         X         64         Y         48         But           Stat: :min255.max255.severage255         Content::00.00%           2         Content::00.00%           2         2         2         Stat: :min255.max255.severage255         Content::00.00%           2         2         2         2         2         2         2         2         2         2         2         2         2</th><th>Correction for Full Screen         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Adjust value         load partition           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file         Save to file         Text           Correction mode         Hardware Single pixel         Software         Software Single pixel         Software 2X2         Software4X4         Software8X8         9           djust brightness         fact brightness         Photo partition         X         64         Y         48         Border           Red         Green         Blue         Stat: :min255, max255, average255.0, effect: 100.00%         22         23         24         25         25         255<th>Correction for Full Screen         Br.         Inc.         Brightness         Dec.         brightness         Adjust value         load partition         Save           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file         Save to file         Test         S.           Correction mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4         Software8X8         © ExtS           djust brightness         fact brightness         Photo partition         X         64         Y         48         Border Dot           Red         Green         Blue         Stat&lt;:min255         swez255         sweze255         opertition         X         64         Y         48         Border Dot           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         17         18         19         20         21         22         23         24         25         25         255         255         255         255         255         255         255         2</th><th>Correction for full Screen         Br. Inc/dec         Br. Mes         Inc. brightness         Dec. brightness         Adjust value         load partition         Save partition           Experted brightness red         51000         6         green         34000         85         blue         17000         85         From file         Save to file         Test         Save           Correction node         Hardware Single pixel         Software         Single pixel         Software4X4         Software</th><th>Correction for full Screen         Br. Inc/dec         Br. Mes.         Inc. brightness         Dec. brightness         Adjust value         load partition         Save partitie           Experted brightness red         51000         6         green         34000         85         blue         17000         85         Prom file         Save to file         Test         Save         00           Correction node         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4         Software4X4         Software4X4         Software4X4         Border Dot 0           Red         Fact brightness         Photo partition         X         64         Y         48         Border Dot 0         Software4X4         Softw</th><th>Correction for Full Screen         Br. Inc/dec         Br. Mes.         Reset         Inc.         brightness         Dec.         brightness         Adjust value         load partition         Save partition           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file         Save to file         Test         Save         0k           Correction mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4         Software4X4         Software4X4         Software4X4         Software4X4         Software         Buc         Distantation         Reset         Int.         Save         0k           djust brightness         fact brightness         Photo partition         X         64         Y         46         Border Dot 0         Distantation         Reset         Int.         Int.</th></th></th></th></th></th></th></t<></th></th></th></th> |      | Correction for Full Screen           Reset         Inc/dec         Br. Mes.         Reset         Inc/dec           Supercision of Full Screen           Green         Blue           I         2         State of Full Screen           I         2         State of Full Screen         Plate           I         2         State of Full Screen         Plate           I         2         State of Full Screen           I         2         State of Full Screen           I         2         State of Full Screen           I         I         State of Full Screen           I         I         State of Full Screen           I <th>Correction for Full Screen           Form camera         Br.         Inc/dec         Br.         Mes.         Reset         Inc. b           Expected brightness red         51000         85         green         34000           Correction mode         Hardware Single pixel         Software         34000           Correction mode         Hardware Single pixel         Software           djust brightness         fact brightness         Photo partition           Red         Green         Blue         Stat           1         2 
       3         4         5         6         7         8         9         10         11         12         13           1         2         3         4         5         6         7         8         9         10         11         12         13           1         25         255<th>Correction for Full Screen           form camera         Br.         Inc/dec         Br.         Mes.         Reset         Inc.         bright           Expected brightness red         51000         85         green         34000         85           Correction mode         Hardware Single pixel         Software         Single pixel</th><th>Correction for Full Screen           rom camera         Br.         Inc/dec         Br.         Mes.         Reset         Inc.         brightnes           Expected brightness         red         51000         65         green         34000         85        </th><th>Correction for Full Screen           rom camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness           Expected brightness red         51000         65         green         34000         85         blu           Correction mode         Hardware Single pixel         Software         Single pixel         Software         Single pixel           djust brightness         fact brightness         Photo partition         Stat. :min255, ma           Red         Green         Blue         Stat. :min255, ma         Stat. :min255, ma           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16           1         25         255<!--</th--><th>Correction for Full Screen           Inc. brightness         Jec.           The description         Reset         Inc. brightness         Jec.           Expected brightness red         Single pixel         Software         Single pixel         Software         Single pixel           Green         Blue         Stat. :min255.max255           Inc. brightness         Photo partition           Red         Green         Blue         Stat. :min255.max255           Inc. brightness         Photo partition           Stat. :min255.max255           Inc. brightness         Stat. :min255.max255           Inc. brightness         Stat. :min255.max255           Stat. :min</th><th>Correction for Full Screen           rom camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. br.           Expected brightness red         51000         85         green         34000         85         blue         17000           Correction mode         Hardware Single pixel         Software         Single pixel         Software         Single pixel         Software           djust brightness         fact brightness         Photo partition         Stat.:min255.max255.max255.set           Red         Green         Blue         Stat.:min255.max255.cet         Stat         Stat</th><th>Correction for Full Screen           rom camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. bright           Expected brightness red         51000         85         green         34000         85         blue         17000         85           Correction mode         Hardware Single pixel         Software         Single pixel         Software         Single pixel         Software           djust brightness         fact brightness         Photo partition         Yehot         Stat. :min255, max255, average           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19           1         25         255         255         255         255         255         255         255         255         255         255         255         255         255         255</th><th>Correction for Full Screen           om camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness           Expected brightness         red         51000         85         green         34000         85         blue         17000         85           Correction mode         Hardware Single pixel         Software         Single pixel         Software 2X2           djust brightness         fact brightness         Photo patrition         Yhoto patrition         Yhoto patrition           Red         Green         Blue         Stat. :min255, max255, average255.           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20           1         2         3         4         5         6         7         8         9         10         &lt;</th><th>Correction for Full Screen           om camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Dec. brightness           Expected brightness         red         51000         85         green         34000         85         blue         17000         85         0           Correction mode         Hardware Single pixel         Software         Single pixel         Software         Single pixel         Software2X2         0           djust brightness         fact brightness         Photo partition         Stat         :min255.max255.serage255.0, e         Photo partition           Red         Green         Blue         Stat         :min255.max255.serage255.0, e         Stat         :sin255.max255.serage255.0, e           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20         21           2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         <t< th=""><th>Correction for Full Screen           rom camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Adju           Expected brightness red         51000         65         green         34000         85         blue         17000         65         green           Correction mode         Hardware Single pixel         Software         Single pixel         Software222         Software222         Software222         Software2222         Sof</th><th>Correction for Full Screen           com         camera         Br.         Inc/dec         Br.         Mes.         Reset         Inc.         brightness         Dec.         brightness         Adjust v           Expected brightness         Fad ware         51000         65         green         34000         85         blue         17000         85         From fill           Correction mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software2X2         Software           djust brightness         fact         brightness         Photo         partition         Y         Photo         partition         X           Red         Green         Blue         Stat.         ini225, max255, average255.0, effect: 10           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20         21         22         23           1         2         3         4         5         6         7         8         9         10         11         12         14         15<!--</th--><th>Correction for Full Screen           Res.         Res.         Res.         Inc. brightness         Dec. brightness         Adjust value           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file           Orrection mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4           djust brightness         fact brightness         Photo partition         X         64           Red         Green         Blue         Stat.:min255.max255.average255.0.effect:100.00           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         9         21         22         23         24           255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255        
255         255         255         255         255</th><th>Correction for Full Screen         Inc. dec       Br. Mes.       Reset       Inc. brightness       Dec. brightness       Adjust value       1         Expected brightness red       51000       85       green       34000       65       blue       17000       65       From file       Save         Orrection mode       Hardware Single pixel       Software Single pixel       Software2X2       Software4X4       Software4X4       Software4X4         Green       Blue       Stat       inin255, max255, average255.0, effect: 100.00X         1       2       3       10       11       1       Photo partition       X       64       Y         Recent       Stat       inin255, max255, average255.0, effect: 100.00X         1       2       3       4       5         Stat       inin255, max255, average255.0, effect: 100.00X         2       2       2       2       2       2       2       <th cols<="" th=""><th>Correction for Full Screen         Inc. dec       Br. Mes.       Reset       Inc. brightness       Dec. brightness       Adjust value       load         Expected brightness red       51000       85       From file       Save to         Orrection mode       Hardware Single pixel       Software Single pixel       Software2X2       Software4X4       Software4X4         Green       Blue       Stat. :min255, max255, average255.0, effect: 100.00%         1       2       3       Photo partition       X       64       Y       48         Green       Blue       Stat. :min255, max255, average255.0, effect: 100.00%         1       2       3       40       Stat. :min255, max255, average255.0, effect: 100.00%         1       2       3       4       From file       Save to         1       2       4       7       8       9       10       11       1</th><th>Correction for Full Screen           om camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Adjust value         load part           Expected brightness red         51000         85 green         34000         85 green         Adjust value         load part           Correction mode         Hardware Single pixel         Software 2X2         Software 4X4         <th cols<="" th=""><th>Correction for Full Screen           om camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Adjust value         load partition           Expected brightness red         51000         85 erg green         34000         85 erg blue         17000         85 erg blue           Correction mode         Hardware Single pixel         Software Single pixel         Software 2X2         Software 4X4         Software 8X8           djust brightness         Photo partition         X         64         Y         48         But           Stat: :min255.max255.severage255         Content::00.00%           2         Content::00.00%           2         2         2         Stat: :min255.max255.severage255         Content::00.00%           2         2         2         2         2         2         2         2         2         2         2         2         2</th><th>Correction for Full Screen         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Adjust value         load partition           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file         Save to file         Text           Correction mode         Hardware Single pixel         Software         Software Single pixel         Software 2X2         Software4X4         Software8X8         9           djust brightness         fact brightness         Photo partition         X         64         Y         48         Border           Red         Green         Blue         Stat: :min255, max255, average255.0, effect: 100.00%         22         23         24         25         25         255<th>Correction for Full Screen         Br.         Inc.         Brightness         Dec.         brightness         Adjust value         load partition         Save           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file         Save to file         Test         S.           Correction mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4         Software8X8         © ExtS           djust brightness         fact brightness         Photo partition         X         64         Y         48         Border Dot           Red         Green         Blue         Stat&lt;:min255         swez255         sweze255         opertition         X         64         Y         48         Border Dot           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         17         18         19         20         21         22         23         24         25         25         255         255         255         255         255         255         255         2</th><th>Correction for full Screen         Br. Inc/dec         Br. Mes         Inc. brightness         Dec. brightness         Adjust value         load partition         Save partition           Experted brightness red         51000         6         green         34000         85         blue         17000         85         From file         Save to file         Test         Save           Correction node         Hardware Single pixel         Software         Single pixel         Software4X4         Software</th><th>Correction for full Screen         Br. Inc/dec         Br. Mes.         Inc. brightness         Dec. brightness         Adjust value         load partition         Save partitie           Experted brightness red         51000         6         green         34000         85         blue         17000         85         Prom file         Save to file         Test         Save         00           Correction node         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4         Software4X4         Software4X4         Software4X4         Border Dot 0           Red         Fact brightness         Photo partition         X         64         Y         48         Border Dot 0         Software4X4         Softw</th><th>Correction for Full Screen         Br. Inc/dec         Br. Mes.         Reset         Inc.         brightness         Dec.         brightness         Adjust value         load partition         Save partition           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file         Save to file         Test         Save         0k           Correction mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4         Software4X4         Software4X4         Software4X4         Software4X4         Software         Buc         Distantation         Reset         Int.         Save         0k           djust brightness         fact brightness         Photo partition         X         64         Y         46         Border Dot 0         Distantation         Reset         Int.         Int.</th></th></th></th></th></th></th></t<></th></th></th> | Correction for Full Screen           Form camera         Br.         Inc/dec         Br.         Mes.         Reset         Inc. b           Expected brightness red         51000         85         green         34000           Correction mode         Hardware Single pixel         Software         34000           Correction mode         Hardware Single pixel         Software           djust brightness         fact brightness         Photo partition           Red         Green         Blue         Stat           1         2         3         4         5         6         7         8         9         10         11         12         13           1         2         3         4         5         6         7         8         9         10         11         12         13           1         25         255 <th>Correction for Full Screen           form camera         Br.         Inc/dec         Br.         Mes.         Reset         Inc.         bright           Expected brightness red         51000         85         green         34000         85           Correction mode         Hardware Single pixel         Software         Single pixel</th> <th>Correction for Full Screen           rom camera         Br.         Inc/dec         Br.         Mes.         Reset         Inc.         brightnes           Expected brightness         red         51000         65         green         34000         85        </th> <th>Correction for Full Screen           rom camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness           Expected brightness red         51000         65         green         34000         85         blu           Correction mode         Hardware Single pixel         Software         Single pixel        
Software         Single pixel           djust brightness         fact brightness         Photo partition         Stat. :min255, ma           Red         Green         Blue         Stat. :min255, ma         Stat. :min255, ma           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16           1         25         255<!--</th--><th>Correction for Full Screen           Inc. brightness         Jec.           The description         Reset         Inc. brightness         Jec.           Expected brightness red         Single pixel         Software         Single pixel         Software         Single pixel           Green         Blue         Stat. :min255.max255           Inc. brightness         Photo partition           Red         Green         Blue         Stat. :min255.max255           Inc. brightness         Photo partition           Stat. :min255.max255           Inc. brightness         Stat. :min255.max255           Inc. brightness         Stat. :min255.max255           Stat. :min</th><th>Correction for Full Screen           rom camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. br.           Expected brightness red         51000         85         green         34000         85         blue         17000           Correction mode         Hardware Single pixel         Software         Single pixel         Software         Single pixel         Software           djust brightness         fact brightness         Photo partition         Stat.:min255.max255.max255.set           Red         Green         Blue         Stat.:min255.max255.cet         Stat         Stat</th><th>Correction for Full Screen           rom camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. bright           Expected brightness red         51000         85         green         34000         85         blue         17000         85           Correction mode         Hardware Single pixel         Software         Single pixel         Software         Single pixel         Software           djust brightness         fact brightness         Photo partition         Yehot         Stat. :min255, max255, average           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19           1         25         255         255         255         255         255         255         255         255         255         255         255         255         255         255</th><th>Correction for Full Screen           om camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness           Expected brightness         red         51000         85         green         34000         85         blue         17000         85           Correction mode         Hardware Single pixel         Software         Single pixel         Software 2X2           djust brightness         fact brightness         Photo patrition         Yhoto patrition         Yhoto patrition           Red         Green         Blue         Stat. :min255, max255, average255.           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20           1         2         3         4         5         6         7         8         9         10         &lt;</th><th>Correction for Full Screen           om camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Dec. brightness           Expected brightness         red         51000         85         green         34000         85         blue         17000         85         0           Correction mode         Hardware Single pixel         Software         Single pixel         Software         Single pixel         Software2X2         0           djust brightness         fact brightness         Photo partition         Stat         :min255.max255.serage255.0, e         Photo partition           Red         Green         Blue         Stat         :min255.max255.serage255.0, e         Stat         :sin255.max255.serage255.0, e           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20         21           2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         <t< th=""><th>Correction for Full Screen           rom camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Adju           Expected brightness red         51000         65         green         34000         85         blue         17000         65         green           Correction mode         Hardware Single pixel         Software         Single pixel         Software222         Software222         Software222         Software2222         Sof</th><th>Correction for Full Screen           com         camera         Br.         Inc/dec         Br.         Mes.         Reset         Inc.         brightness         Dec.         brightness         Adjust v           Expected brightness         Fad ware         51000         65         green         34000         85         blue         17000         85         From fill           Correction mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software2X2         Software           djust brightness         fact         brightness         Photo         partition         Y         Photo         partition         X           Red         Green         Blue         Stat.         ini225, max255, average255.0, effect: 10           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20         21         22         23           1         2         3         4         5         6         7         8         9         10         11         12         14         15<!--</th--><th>Correction for Full Screen           Res.         Res.         Res.         Inc. brightness         Dec. brightness         Adjust value           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file           Orrection mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4           djust brightness         fact brightness         Photo partition         X         64           Red         Green         Blue         Stat.:min255.max255.average255.0.effect:100.00           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         9         21         22         23         24           255</th><th>Correction for Full Screen         Inc. dec       Br. Mes.       Reset       Inc. brightness       Dec. brightness       Adjust value       1         Expected brightness red       51000       85       green       34000       65       blue       17000       65       From file       Save         Orrection mode       Hardware Single pixel       Software Single pixel       Software2X2       Software4X4       Software4X4       Software4X4         Green       Blue       Stat       inin255, max255, average255.0, effect: 100.00X         1       2       3       10       11       1       Photo partition       X       64       Y         Recent       Stat       inin255, max255, average255.0, effect: 100.00X         1       2       3       4       5         Stat       inin255, max255, average255.0, effect: 100.00X         2       2       2       2       2       2       2       <th cols<="" th=""><th>Correction for Full Screen         Inc. dec       Br. Mes.       Reset       Inc. brightness       Dec. brightness       Adjust value       load         Expected brightness red       51000       85       From file       Save to         Orrection mode       Hardware Single pixel       Software Single pixel       Software2X2       Software4X4       Software4X4         Green       Blue       Stat. :min255, max255, average255.0, effect: 100.00%         1       2       3       Photo partition       X       64       Y       48         Green       Blue       Stat. :min255, max255,
average255.0, effect: 100.00%         1       2       3       40       Stat. :min255, max255, average255.0, effect: 100.00%         1       2       3       4       From file       Save to         1       2       4       7       8       9       10       11       1</th><th>Correction for Full Screen           om camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Adjust value         load part           Expected brightness red         51000         85 green         34000         85 green         Adjust value         load part           Correction mode         Hardware Single pixel         Software 2X2         Software 4X4         <th cols<="" th=""><th>Correction for Full Screen           om camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Adjust value         load partition           Expected brightness red         51000         85 erg green         34000         85 erg blue         17000         85 erg blue           Correction mode         Hardware Single pixel         Software Single pixel         Software 2X2         Software 4X4         Software 8X8           djust brightness         Photo partition         X         64         Y         48         But           Stat: :min255.max255.severage255         Content::00.00%           2         Content::00.00%           2         2         2         Stat: :min255.max255.severage255         Content::00.00%           2         2         2         2         2         2         2         2         2         2         2         2         2</th><th>Correction for Full Screen         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Adjust value         load partition           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file         Save to file         Text           Correction mode         Hardware Single pixel         Software         Software Single pixel         Software 2X2         Software4X4         Software8X8         9           djust brightness         fact brightness         Photo partition         X         64         Y         48         Border           Red         Green         Blue         Stat: :min255, max255, average255.0, effect: 100.00%         22         23         24         25         25         255<th>Correction for Full Screen         Br.         Inc.         Brightness         Dec.         brightness         Adjust value         load partition         Save           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file         Save to file         Test         S.           Correction mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4         Software8X8         © ExtS           djust brightness         fact brightness         Photo partition         X         64         Y         48         Border Dot           Red         Green         Blue         Stat&lt;:min255         swez255         sweze255         opertition         X         64         Y         48         Border Dot           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         17         18         19         20         21         22         23         24         25         25         255         255         255         255         255         255         255         2</th><th>Correction for full Screen         Br. Inc/dec         Br. Mes         Inc. brightness         Dec. brightness         Adjust value         load partition         Save partition           Experted brightness red         51000         6         green         34000         85         blue         17000         85         From file         Save to file         Test         Save           Correction node         Hardware Single pixel         Software         Single pixel         Software4X4         Software</th><th>Correction for full Screen         Br. Inc/dec         Br. Mes.         Inc. brightness         Dec. brightness         Adjust value         load partition         Save partitie           Experted brightness red         51000         6         green         34000         85         blue         17000         85         Prom file         Save to file         Test         Save         00           Correction node         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4         Software4X4         Software4X4         Software4X4         Border Dot 0           Red         Fact brightness         Photo partition         X         64         Y         48         Border Dot 0         Software4X4         Softw</th><th>Correction for Full Screen         Br. Inc/dec         Br. Mes.         Reset         Inc.         brightness         Dec.         brightness         Adjust value         load partition         Save partition           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file         Save to file         Test         Save         0k           Correction mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4         Software4X4         Software4X4         Software4X4         Software4X4         Software         Buc         Distantation         Reset         Int.         Save         0k           djust brightness         fact brightness         Photo partition         X         64         Y         46         Border Dot 0         Distantation         Reset         Int.         Int.</th></th></th></th></th></th></th></t<></th></th> | Correction for Full Screen           form camera         Br.         Inc/dec         Br.         Mes.         Reset         Inc.         bright           Expected brightness red         51000         85         green         34000         85           Correction mode         Hardware Single pixel         Software         Single pixel | Correction for Full Screen           rom camera         Br.         Inc/dec         Br.         Mes.         Reset         Inc.         brightnes           Expected brightness         red         51000         65         green         34000         85 | Correction for Full Screen           rom camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness           Expected brightness red         51000         65         green         34000         85         blu           Correction mode         Hardware Single pixel         Software         Single pixel         Software         Single pixel           djust brightness         fact brightness         Photo partition         Stat. :min255, ma           Red         Green         Blue         Stat. :min255, ma         Stat. :min255, ma           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16           1         25         255 </th <th>Correction for Full Screen           Inc. brightness         Jec.           The description         Reset         Inc. brightness         Jec.           Expected brightness red         Single pixel         Software         Single pixel         Software         Single pixel           Green         Blue         Stat. :min255.max255           Inc. brightness         Photo partition           Red         Green         Blue         Stat. :min255.max255           Inc. brightness         Photo partition           Stat. :min255.max255           Inc. brightness         Stat. :min255.max255           Inc. brightness         Stat. :min255.max255           Stat. :min</th> <th>Correction for Full Screen           rom camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. br.           Expected brightness red         51000         85         green         34000         85         blue         17000           Correction mode         Hardware Single pixel         Software         Single pixel         Software         Single pixel         Software           djust brightness         fact brightness         Photo partition         Stat.:min255.max255.max255.set           Red         Green         Blue         Stat.:min255.max255.cet         Stat         Stat</th> <th>Correction for Full Screen           rom camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. bright           Expected brightness red         51000         85         green         34000         85         blue         17000         85           Correction mode         Hardware Single pixel         Software         Single pixel         Software         Single pixel         Software           djust brightness         fact brightness         Photo partition         Yehot         Stat. :min255,
max255, average           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19           1         25         255         255         255         255         255         255         255         255         255         255         255         255         255         255</th> <th>Correction for Full Screen           om camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness           Expected brightness         red         51000         85         green         34000         85         blue         17000         85           Correction mode         Hardware Single pixel         Software         Single pixel         Software 2X2           djust brightness         fact brightness         Photo patrition         Yhoto patrition         Yhoto patrition           Red         Green         Blue         Stat. :min255, max255, average255.           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20           1         2         3         4         5         6         7         8         9         10         &lt;</th> <th>Correction for Full Screen           om camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Dec. brightness           Expected brightness         red         51000         85         green         34000         85         blue         17000         85         0           Correction mode         Hardware Single pixel         Software         Single pixel         Software         Single pixel         Software2X2         0           djust brightness         fact brightness         Photo partition         Stat         :min255.max255.serage255.0, e         Photo partition           Red         Green         Blue         Stat         :min255.max255.serage255.0, e         Stat         :sin255.max255.serage255.0, e           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20         21           2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         <t< th=""><th>Correction for Full Screen           rom camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Adju           Expected brightness red         51000         65         green         34000         85         blue         17000         65         green           Correction mode         Hardware Single pixel         Software         Single pixel         Software222         Software222         Software222         Software2222         Sof</th><th>Correction for Full Screen           com         camera         Br.         Inc/dec         Br.         Mes.         Reset         Inc.         brightness         Dec.         brightness         Adjust v           Expected brightness         Fad ware         51000         65         green         34000         85         blue         17000         85         From fill           Correction mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software2X2         Software           djust brightness         fact         brightness         Photo         partition         Y         Photo         partition         X           Red         Green         Blue         Stat.         ini225, max255, average255.0, effect: 10           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20         21         22         23           1         2         3         4         5         6         7         8         9         10         11         12         14         15<!--</th--><th>Correction for Full Screen           Res.         Res.         Res.         Inc. brightness         Dec. brightness         Adjust value           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file           Orrection mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4           djust brightness         fact brightness         Photo partition         X         64           Red         Green         Blue         Stat.:min255.max255.average255.0.effect:100.00           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         9         21         22         23         24           255</th><th>Correction for Full Screen         Inc. dec       Br. Mes.       Reset       Inc. brightness       Dec. brightness       Adjust value       1         Expected brightness red       51000       85       green       34000       65       blue       17000       65       From file       Save         Orrection mode       Hardware Single pixel       Software Single pixel       Software2X2       Software4X4       Software4X4       Software4X4         Green       Blue       Stat       inin255, max255, average255.0, effect: 100.00X         1       2       3       10       11       1       Photo partition       X       64       Y         Recent       Stat       inin255, max255, average255.0, effect: 100.00X         1       2       3       4       5         Stat       inin255, max255, average255.0, effect: 100.00X         2       2       2       2       2       2       2       <th cols<="" th=""><th>Correction for Full Screen         Inc. dec       Br. Mes.       Reset       Inc. brightness       Dec. brightness       Adjust value       load         Expected brightness red       51000       85       From file       Save to         Orrection mode       Hardware Single pixel       Software Single pixel       Software2X2       Software4X4       Software4X4         Green       Blue       Stat. :min255, max255, average255.0, effect: 100.00%         1       2       3       Photo partition       X       64       Y       48         Green       Blue       Stat. :min255, max255, average255.0, effect: 100.00%         1       2       3       40       Stat. :min255, max255, average255.0, effect: 100.00%         1       2       3       4       From file       Save to         1       2       4       7       8       9       10       11       1</th><th>Correction for Full Screen           om camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Adjust value         load part           Expected brightness red         51000         85 green         34000         85 green         Adjust value         load part           Correction mode         Hardware Single pixel         Software 2X2         Software 4X4         <th cols<="" th=""><th>Correction for Full Screen           om camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Adjust value         load partition           Expected brightness red         51000         85 erg green         34000         85 erg blue         17000         85 erg blue           Correction mode         Hardware Single pixel         Software Single pixel         Software 2X2         Software 4X4         Software 8X8           djust brightness         Photo partition         X         64         Y         48         But           Stat: :min255.max255.severage255         Content::00.00%           2         Content::00.00%           2         2         2         Stat: :min255.max255.severage255         Content::00.00%           2         2         2         2         2         2         2         2         2         2         2         2         2</th><th>Correction for Full Screen         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Adjust value         load partition           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file         Save to file         Text           Correction mode         Hardware Single pixel         Software         Software Single pixel         Software 2X2         Software4X4         Software8X8         9           djust brightness         fact brightness         Photo partition         X         64         Y         48         Border           Red         Green         Blue         Stat: :min255, max255, average255.0, effect: 100.00%         22         23         24         25         25         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255        
255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255<th>Correction for Full Screen         Br.         Inc.         Brightness         Dec.         brightness         Adjust value         load partition         Save           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file         Save to file         Test         S.           Correction mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4         Software8X8         © ExtS           djust brightness         fact brightness         Photo partition         X         64         Y         48         Border Dot           Red         Green         Blue         Stat&lt;:min255         swez255         sweze255         opertition         X         64         Y         48         Border Dot           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         17         18         19         20         21         22         23         24         25         25         255         255         255         255         255         255         255         2</th><th>Correction for full Screen         Br. Inc/dec         Br. Mes         Inc. brightness         Dec. brightness         Adjust value         load partition         Save partition           Experted brightness red         51000         6         green         34000         85         blue         17000         85         From file         Save to file         Test         Save           Correction node         Hardware Single pixel         Software         Single pixel         Software4X4         Software</th><th>Correction for full Screen         Br. Inc/dec         Br. Mes.         Inc. brightness         Dec. brightness         Adjust value         load partition         Save partitie           Experted brightness red         51000         6         green         34000         85         blue         17000         85         Prom file         Save to file         Test         Save         00           Correction node         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4         Software4X4         Software4X4         Software4X4         Border Dot 0           Red         Fact brightness         Photo partition         X         64         Y         48         Border Dot 0         Software4X4         Softw</th><th>Correction for Full Screen         Br. Inc/dec         Br. Mes.         Reset         Inc.         brightness         Dec.         brightness         Adjust value         load partition         Save partition           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file         Save to file         Test         Save         0k           Correction mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4         Software4X4         Software4X4         Software4X4         Software4X4         Software         Buc         Distantation         Reset         Int.         Save         0k           djust brightness         fact brightness         Photo partition         X         64         Y         46         Border Dot 0         Distantation         Reset         Int.         Int.</th></th></th></th></th></th></th></t<></th> | Correction for Full Screen           Inc. brightness         Jec.           The description         Reset         Inc. brightness         Jec.           Expected brightness red         Single pixel         Software         Single pixel         Software         Single pixel           Green         Blue         Stat. :min255.max255           Inc. brightness         Photo partition           Red         Green         Blue         Stat. :min255.max255           Inc. brightness         Photo partition           Stat. :min255.max255           Inc. brightness         Stat. :min255.max255           Inc. brightness         Stat. :min255.max255           Stat. :min | Correction for Full Screen           rom camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. br.           Expected brightness red         51000         85         green         34000         85         blue         17000           Correction mode         Hardware Single pixel         Software         Single pixel         Software         Single pixel         Software           djust brightness         fact brightness         Photo partition         Stat.:min255.max255.max255.set           Red         Green         Blue         Stat.:min255.max255.cet         Stat         Stat | Correction for Full Screen           rom camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. bright           Expected brightness red         51000         85         green         34000         85         blue         17000         85           Correction mode         Hardware Single pixel         Software         Single pixel         Software         Single pixel         Software           djust brightness         fact brightness         Photo partition         Yehot         Stat. :min255, max255, average           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19           1         25         255         255         255         255         255         255         255         255         255         255         255         255         255         255 | Correction for Full Screen           om camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness           Expected brightness         red         51000         85         green         34000         85         blue         17000         85           Correction mode         Hardware Single pixel         Software         Single pixel         Software 2X2           djust brightness         fact brightness         Photo patrition         Yhoto patrition         Yhoto patrition           Red         Green         Blue         Stat. :min255, max255, average255.           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20           1         2         3         4         5         6         7         8         9         10         < | Correction for Full Screen           om camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Dec. brightness           Expected brightness         red         51000         85         green         34000         85         blue         17000         85         0           Correction mode         Hardware Single pixel         Software         Single pixel         Software         Single pixel         Software2X2         0           djust brightness         fact brightness         Photo partition         Stat         :min255.max255.serage255.0, e         Photo partition           Red         Green         Blue         Stat         :min255.max255.serage255.0, e         Stat         :sin255.max255.serage255.0, e           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20         21           2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18 <t< th=""><th>Correction for Full Screen           rom camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Adju           Expected brightness red         51000         65         green         34000         85         blue         17000         65         green           Correction mode         Hardware Single pixel         Software         Single pixel         Software222         Software222         Software222         Software2222         Sof</th><th>Correction for Full Screen           com         camera         Br.         Inc/dec         Br.         Mes.         Reset         Inc.         brightness         Dec.         brightness         Adjust v           Expected brightness         Fad ware         51000         65         green         34000         85         blue         17000         85         From fill           Correction mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software2X2         Software           djust brightness         fact         brightness         Photo         partition         Y         Photo         partition         X           Red         Green         Blue         Stat.         ini225, max255, average255.0, effect: 10           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20         21         22         23           1
        2         3         4         5         6         7         8         9         10         11         12         14         15<!--</th--><th>Correction for Full Screen           Res.         Res.         Res.         Inc. brightness         Dec. brightness         Adjust value           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file           Orrection mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4           djust brightness         fact brightness         Photo partition         X         64           Red         Green         Blue         Stat.:min255.max255.average255.0.effect:100.00           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         9         21         22         23         24           255</th><th>Correction for Full Screen         Inc. dec       Br. Mes.       Reset       Inc. brightness       Dec. brightness       Adjust value       1         Expected brightness red       51000       85       green       34000       65       blue       17000       65       From file       Save         Orrection mode       Hardware Single pixel       Software Single pixel       Software2X2       Software4X4       Software4X4       Software4X4         Green       Blue       Stat       inin255, max255, average255.0, effect: 100.00X         1       2       3       10       11       1       Photo partition       X       64       Y         Recent       Stat       inin255, max255, average255.0, effect: 100.00X         1       2       3       4       5         Stat       inin255, max255, average255.0, effect: 100.00X         2       2       2       2       2       2       2       <th cols<="" th=""><th>Correction for Full Screen         Inc. dec       Br. Mes.       Reset       Inc. brightness       Dec. brightness       Adjust value       load         Expected brightness red       51000       85       From file       Save to         Orrection mode       Hardware Single pixel       Software Single pixel       Software2X2       Software4X4       Software4X4         Green       Blue       Stat. :min255, max255, average255.0, effect: 100.00%         1       2       3       Photo partition       X       64       Y       48         Green       Blue       Stat. :min255, max255, average255.0, effect: 100.00%         1       2       3       40       Stat. :min255, max255, average255.0, effect: 100.00%         1       2       3       4       From file       Save to         1       2       4       7       8       9       10       11       1</th><th>Correction for Full Screen           om camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Adjust value         load part           Expected brightness red         51000         85 green         34000         85 green         Adjust value         load part           Correction mode         Hardware Single pixel         Software 2X2         Software 4X4         <th cols<="" th=""><th>Correction for Full Screen           om camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Adjust value         load partition           Expected brightness red         51000         85 erg green         34000         85 erg blue         17000         85 erg blue           Correction mode         Hardware Single pixel         Software Single pixel         Software 2X2         Software 4X4         Software 8X8           djust brightness         Photo partition         X         64         Y         48         But           Stat: :min255.max255.severage255         Content::00.00%           2         Content::00.00%           2         2         2         Stat: :min255.max255.severage255         Content::00.00%           2         2         2         2         2         2         2         2         2         2         2         2         2</th><th>Correction for Full Screen         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Adjust value         load partition           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file         Save to file         Text           Correction mode         Hardware Single pixel         Software         Software Single pixel         Software 2X2         Software4X4         Software8X8         9           djust brightness         fact brightness         Photo partition         X         64         Y         48         Border           Red         Green         Blue         Stat: :min255, max255, average255.0, effect: 100.00%         22         23         24         25         25         255<th>Correction for Full Screen         Br.         Inc.         Brightness         Dec.         brightness         Adjust value         load partition         Save           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file         Save to file         Test         S.           Correction mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4         Software8X8         © ExtS           djust brightness         fact brightness         Photo partition         X         64         Y         48         Border Dot           Red         Green         Blue         Stat&lt;:min255         swez255         sweze255         opertition         X         64         Y         48         Border Dot           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         17         18         19         20         21         22         23         24         25         25         255         255         255         255         255         255         255         2</th><th>Correction for full Screen         Br. Inc/dec         Br. Mes         Inc. brightness         Dec. brightness         Adjust value         load partition         Save partition           Experted brightness red         51000         6         green         34000         85         blue         17000         85         From file         Save to file         Test         Save           Correction node         Hardware Single pixel         Software         Single pixel         Software4X4         Software</th><th>Correction for full Screen         Br. Inc/dec         Br. Mes.         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Reset         Inc. brightness         Dec. brightness         Adju           Expected brightness red         51000         65         green         34000         85         blue         17000         65         green           Correction mode         Hardware Single pixel         Software         Single pixel         Software222         Software222         Software222         Software2222         Sof | Correction for Full Screen           com         camera         Br.         Inc/dec         Br.         Mes.         Reset         Inc.         brightness         Dec.         brightness         Adjust v           Expected brightness         Fad ware         51000         65         green         34000         85         blue         17000         85        
From fill           Correction mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software2X2         Software           djust brightness         fact         brightness         Photo         partition         Y         Photo         partition         X           Red         Green         Blue         Stat.         ini225, max255, average255.0, effect: 10           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20         21         22         23           1         2         3         4         5         6         7         8         9         10         11         12         14         15 </th <th>Correction for Full Screen           Res.         Res.         Res.         Inc. brightness         Dec. brightness         Adjust value           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file           Orrection mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4           djust brightness         fact brightness         Photo partition         X         64           Red         Green         Blue         Stat.:min255.max255.average255.0.effect:100.00           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         9         21         22         23         24           255</th> <th>Correction for Full Screen         Inc. dec       Br. Mes.       Reset       Inc. brightness       Dec. brightness       Adjust value       1         Expected brightness red       51000       85       green       34000       65       blue       17000       65       From file       Save         Orrection mode       Hardware Single pixel       Software Single pixel       Software2X2       Software4X4       Software4X4       Software4X4         Green       Blue       Stat       inin255, max255, average255.0, effect: 100.00X         1       2       3       10       11       1       Photo partition       X       64       Y         Recent       Stat       inin255, max255, average255.0, effect: 100.00X         1       2       3       4       5         Stat       inin255, max255, average255.0, effect: 100.00X         2       2       2       2       2       2       2       <th cols<="" th=""><th>Correction for Full Screen         Inc. dec       Br. Mes.       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Reset         Inc. brightness         Dec. brightness         Adjust value         load partition           Expected brightness red         51000         85 erg green         34000         85 erg blue         17000         85 erg blue           Correction mode         Hardware Single pixel         Software Single pixel         Software 2X2         Software 4X4         Software 8X8           djust brightness         Photo partition         X         64         Y         48         But           Stat: :min255.max255.severage255         Content::00.00%           2         Content::00.00%           2         2         2         Stat: :min255.max255.severage255         Content::00.00%           2         2         2         2         2         2         2         2         2         2         2         2         2</th><th>Correction for Full Screen         Br. Inc/dec         Br. Mes.         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Brightness         Dec.         brightness         Adjust value         load partition         Save           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file         Save to file         Test         S.           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Reset       Inc. brightness       Dec. brightness       Adjust value       load         Expected brightness red       51000       85       From file       Save to         Orrection mode       Hardware Single pixel       Software Single pixel       Software2X2       Software4X4       Software4X4         Green       Blue       Stat. :min255, max255, average255.0, effect: 100.00%         1       2       3       Photo partition       X       64       Y       48         Green       Blue       Stat. :min255, max255, average255.0, effect: 100.00%         1       2       3       40       Stat. :min255, max255, average255.0, effect: 100.00%         1       2       3       4       From file       Save to         1       2       4       7       8       9       10       11       1 | Correction for Full Screen           om camera         Br. Inc/dec         Br. Mes.         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Brightness         Dec.         brightness         Adjust value         load partition         Save           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file         Save to file         Test         S.           Correction mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4         Software8X8         © ExtS           djust brightness         fact brightness         Photo partition         X         64         Y         48         Border Dot           Red         Green         Blue         Stat&lt;:min255         swez255         sweze255         opertition         X         64         Y         48        
Border Dot           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         17         18         19         20         21         22         23         24         25         25         255         255         255         255         255         255         255         2</th><th>Correction for full Screen         Br. Inc/dec         Br. Mes         Inc. brightness         Dec. brightness         Adjust value         load partition         Save partition           Experted brightness red         51000         6         green         34000         85         blue         17000         85         From file         Save to file         Test         Save           Correction node         Hardware Single pixel         Software         Single pixel         Software4X4         Software</th><th>Correction for full Screen         Br. Inc/dec         Br. Mes.         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Brightness         Dec.         brightness         Adjust value         load partition         Save           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file         Save to file         Test         S.           Correction mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4         Software8X8         © ExtS           djust brightness         fact brightness         Photo partition         X         64         Y         48         Border Dot           Red         Green         Blue         Stat&lt;:min255         swez255         sweze255         opertition         X         64         Y         48         Border Dot           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         17         18         19         20         21         22         23         24         25         25         255         255         255         255         255         255         255         2</th><th>Correction for full Screen         Br. Inc/dec         Br. Mes         Inc. brightness         Dec. brightness         Adjust value         load partition         Save partition           Experted brightness red         51000         6         green         34000         85         blue         17000         85         From file         Save to file         Test         Save           Correction node         Hardware Single pixel         Software         Single pixel         Software4X4         Software</th><th>Correction for full Screen         Br. Inc/dec         Br. Mes.         Inc. brightness         Dec. brightness         Adjust value         load partition         Save partitie           Experted brightness red         51000         6         green         34000         85         blue         17000         85         Prom file         Save to file         Test         Save         00           Correction node         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4         Software4X4         Software4X4         Software4X4         Border Dot 0           Red         Fact brightness         Photo partition         X         64         Y         48         Border Dot 0         Software4X4         Softw</th><th>Correction for Full Screen         Br. Inc/dec         Br. Mes.         Reset         Inc.         brightness         Dec.         brightness         Adjust value         load partition         Save partition           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file         Save to file         Test         Save         0k           Correction mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4         Software4X4         Software4X4         Software4X4         Software4X4         Software         Buc         Distantation         Reset         Int.         Save         0k           djust brightness         fact brightness         Photo partition         X         64         Y         46         Border Dot 0         Distantation         Reset         Int.         Int.</th></th> | Correction for Full Screen           om camera         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Adjust value         load partition           Expected brightness red         51000         85 erg green         34000         85 erg blue         17000         85 erg blue           Correction mode         Hardware Single pixel         Software Single pixel         Software 2X2         Software 4X4         Software 8X8           djust brightness         Photo partition         X         64         Y         48         But           Stat: :min255.max255.severage255         Content::00.00%           2         Content::00.00%           2         2         2         Stat: :min255.max255.severage255         Content::00.00%           2         2         2         2         2         2         2         2         2         2         2         2         2 | Correction for Full Screen         Br. Inc/dec         Br. Mes.         Reset         Inc. brightness         Dec. brightness         Adjust value         load partition           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file         Save to file         Text           Correction mode         Hardware Single pixel         Software         Software Single pixel         Software 2X2         Software4X4         Software8X8         9           djust brightness         fact brightness         Photo partition         X         64         Y         48         Border           Red         Green         Blue         Stat: :min255, max255, average255.0, effect: 100.00%         22         23         24         25         25         255         255  
      255         255 <th>Correction for Full Screen         Br.         Inc.         Brightness         Dec.         brightness         Adjust value         load partition         Save           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file         Save to file         Test         S.           Correction mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4         Software8X8         © ExtS           djust brightness         fact brightness         Photo partition         X         64         Y         48         Border Dot           Red         Green         Blue         Stat&lt;:min255         swez255         sweze255         opertition         X         64         Y         48         Border Dot           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         17         18         19         20         21         22         23         24         25         25         255         255         255         255         255         255         255         2</th> <th>Correction for full Screen         Br. Inc/dec         Br. Mes         Inc. brightness         Dec. brightness         Adjust value         load partition         Save partition           Experted brightness red         51000         6         green         34000         85         blue         17000         85         From file         Save to file         Test         Save           Correction node         Hardware Single pixel         Software         Single pixel         Software4X4         Software</th> <th>Correction for full Screen         Br. Inc/dec         Br. Mes.         Inc. brightness         Dec. brightness         Adjust value         load partition         Save partitie           Experted brightness red         51000         6         green         34000         85         blue         17000         85         Prom file         Save to file         Test         Save         00           Correction node         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4         Software4X4         Software4X4         Software4X4         Border Dot 0           Red         Fact brightness         Photo partition         X         64         Y         48         Border Dot 0         Software4X4         Softw</th> <th>Correction for Full Screen         Br. Inc/dec         Br. Mes.         Reset         Inc.         brightness         Dec.         brightness         Adjust value         load partition         Save partition           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file         Save to file         Test         Save         0k           Correction mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4         Software4X4         Software4X4         Software4X4         Software4X4         Software         Buc         Distantation         Reset         Int.         Save         0k           djust brightness         fact brightness         Photo partition         X         64         Y         46         Border Dot 0         Distantation         Reset         Int.         Int.</th> | Correction for Full Screen         Br.         Inc.         Brightness         Dec.         brightness         Adjust value         load partition         Save           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file         Save to file         Test         S.           Correction mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4         Software8X8         © ExtS           djust brightness         fact brightness         Photo partition         X         64         Y         48         Border Dot           Red         Green         Blue         Stat<:min255         swez255         sweze255         opertition         X         64         Y         48         Border Dot           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         17         18         19         20         21         22         23         24         25         25         255         255         255         255         255         255         255         2 | Correction for full Screen         Br. Inc/dec         Br. Mes         Inc. brightness         Dec. brightness         Adjust value         load partition         Save partition           Experted brightness red         51000         6         green         34000         85         blue         17000         85         From file         Save to file         Test         Save           Correction node         Hardware Single pixel         Software         Single pixel         Software4X4         Software | Correction for full Screen         Br. Inc/dec         Br. Mes.         Inc. brightness         Dec. brightness         Adjust value         load partition         Save partitie           Experted brightness red         51000         6         green         34000         85         blue         17000         85         Prom file         Save to file         Test         Save         00           Correction node         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4         Software4X4         Software4X4         Software4X4         Border Dot 0           Red         Fact brightness         Photo partition         X         64         Y         48         Border Dot 0         Software4X4         Softw | Correction for Full Screen         Br. Inc/dec         Br. Mes.         Reset         Inc.         brightness         Dec.         brightness         Adjust value         load partition         Save partition           Expected brightness red         51000         85         green         34000         85         blue         17000         85         From file         Save to file         Test         Save         0k           Correction mode         Hardware Single pixel         Software         Single pixel         Software2X2         Software4X4         Software4X4         Software4X4         Software4X4         Software4X4         Software         Buc         Distantation         Reset         Int.         Save         0k           djust brightness         fact brightness         Photo partition         X         64         Y         46         Border Dot 0         Distantation         Reset         Int.         Int. |

Inc. brightness: increase brightness

Dec. brightness: decrease brightness

Adjust value: change all pixels with Old Brightness Value to a New Brightness level

Multi-Dot Adjust	Brightness	×
Old Brightness New Brightness	0	OK Cancel

From file: load saved .RVS (correction info)

Save to file: after finishing manually brightness correction, save .RVS correction info to file. Test: compare the effects with and without correction info

Save: save the .RVS file (correction info) in the flash memory of receiving card

7. Click **Ok** to exit

# **Chapter5 Communication Cable Making Method**

568B

#### **RJ-45** Connector







Remarks: make the two ends same.