

# COLLECTION 2018

---

## Control System



# CONTENTS

## CONTROL SYSTEM

ARTNET *controller*

STANDALONE *controller*

POWER/DATA *supplies*

DMX *splitter booster*

DMX *decoder*

DMX *setup tool*

Z4 CONTROLLER *z series colorlight*

Z6 CONTROLLER *z series colorlight*

X2 CONTROLLER *x series colorlight*

X4 CONTROLLER *x series colorlight*

C3 PLAYER *c series colorlight*

C4 PLAYER *c series colorlight*

C7 PLAYER *c series colorlight*

S2 SENDER *s series colorlight*

S4 SENDER *s series colorlight*

i5 RECEIVING CARD *i series colorlight*

i6 RECEIVING CARD *i series colorlight*

i5A RECEIVING CARD *i series colorlight*

i5A-905 RECEIVING CARD *i series colorlight*

i5A-907 RECEIVING CARD *i series colorlight*

5A-75B RECEIVING CARD *i series colorlight*

5A-75E RECEIVING CARD *i series colorlight*

i5AF DUAL MODE CARD *i series colorlight*

H2F FIBER OPTIC TRANSCEIVER *colorlight*

iM9 MULTIFUNCTION CARD *accessories colorlight*

SSR-L16 BRIGHTNESS SENSOR *accessories colorlight*

SSR-L29 BRIGHTNESS SENSOR *accessories colorlight*

SSR-NOISE NOISE SENSOR *accessories colorlight*



MIG-CL9000 VIDEO CONTROLLER *series magnimage*

LED-780H LED VIDEOPROCESSOR *magnimage*

LED-580F LED VIDEOPROCESSOR *magnimage*

LED-550D LED VIDEOPROCESSOR *magnimage*

LED-500C LED VIDEOPROCESSOR *magnimage*

LED-500B LED VIDEO PROCESSOR *magnimage*

MIG-620C VIDEO SEAMLESS SWITCHER *magnimage*

MIG-630C VIDEO SEAMLESS SWITCHER *magnimage*

MIG-V4 VIDEO SEAMLESS SWITCHER *magnimage*

MIG-V2 VIDEO SEAMLESS SWITCHER *magnimage*

MIG-H1 VIDEO SEAMLESS CONSOLE *magnimage*

MIG-H2 VIDEO SEAMLESS CONSOLE *magnimage*

MIG-2521 MONITOR VIDEO ACCESSORY *magnimage*

MIG-2522 MONITOR VIDEO ACCESSORY *magnimage*

MIG-2134 FORMAT CONVERTER ACCESSORY *magnimage*

MIG-2123 FORMAT CONVERTER ACCESSORY *magnimage*

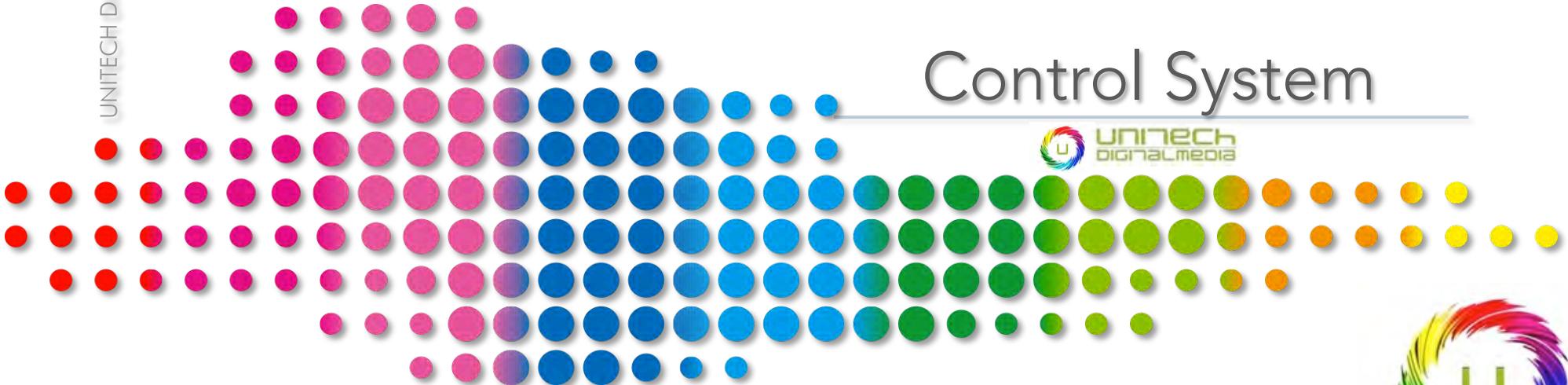
MIG-2132 FORMAT CONVERTER ACCESSORY *magnimage*

MIG-224/228 DVI SPLITTER ACCESSORY *magnimage*

MIG-214/218 DVI SPLITTER ACCESSORY *magnimage*

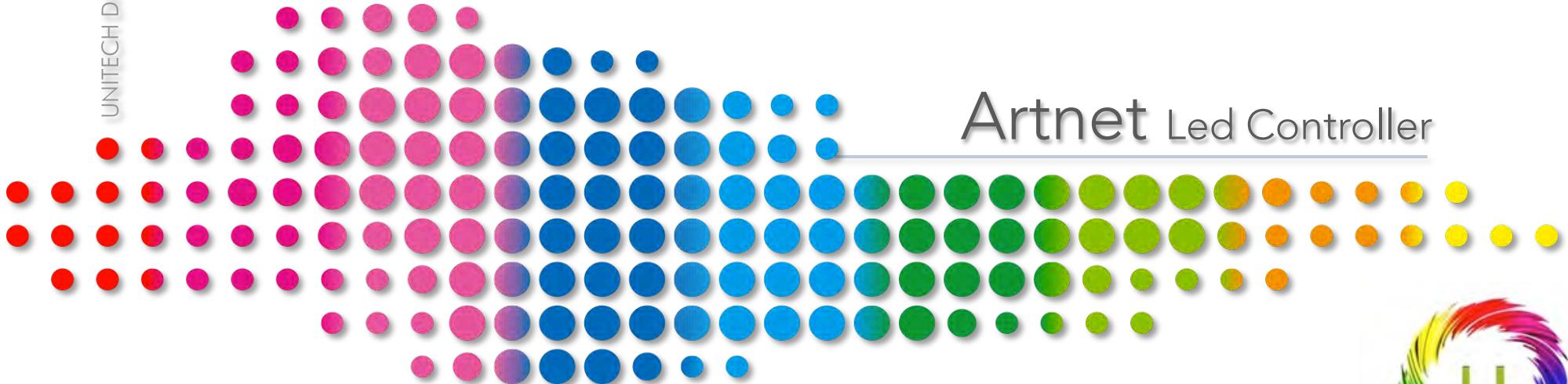
MIG-232L SENDING BOX ACCESSORY *magnimage*

MIG-239L SENDING BOX ACCESSORY *magnimage*



## Control System





## Artnet Led Controller

---



# Artnet Controller

## FEATURES

- converts Art-Net data from Ethernet network to DmX512.
- Family Artnet Controller has 2universes (A2), 4universes (A4), 8 universes (A8) and 16 universes (A16) available.
- Perfect synchronization between each universe.
- offers powerful features, especially in combination with software.
- Take full advantage of pixel mapping and voxel mapping, easy to install.
- The device is ready within seconds after start-up. An HTP merge is automatically available for two Art-Net sources.
- It's possible to access and change specific device settings using the built-in web configuration tool.

**A2**

Artnet controller

**A4**

Artnet controller

**A8**

Artnet controller

**A16**

Artnet controller



# Artnet Controller

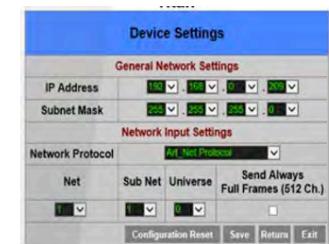
## SPECIFICATIONS

	A2	A4	A8	A16
Power Input	100-240VAc 50/60Hz	100-240VAc 50/60Hz	100-240VAc 50/60Hz	100-240VAc 50/60Hz
Input Protocol	ARTNET	ARTNET	ARTNET	ARTNET
Output Protocol	DMX512	DMX512	DMX512	DMX512
Refresh Rate	40Fps	40Fps	40Fps	40Fps
Default IP	192.168.1.100	192.168.1.100	192.168.1.100	192.168.1.100
Default Subnet	255.255.255.0	255.255.255.0	255.255.255.0	255.255.255.0
Cable	Net cable	Net cable	Net cable	Net cable
DMX512(Out)	2x512 Channels	4x512 Channels	8x512 Channels	16x512 Channels
Ethernet Port	RJ45	RJ45	RJ45	RJ45
DMX512 Ports	3 Pin/5 Pin XLR Female			
Housing	Silver Metal	Black Metal	Black Metal	Black Metal
IP	IP20	IP20	IP20	IP20
Dimension	115x63x38 mm	117.6x92.8x38 mm	440x136.6x44 mm	440x136.6x44 mm
Dimension	140x63x38 mm	137.6x92.8x38 mm	483x136.6x44 mm	483x136.6x44 mm
Certificate	CE	CE	CE	CE

## WEB CONFIGURATION

It's possible to access various settings and information by using a web configuration interface:

- Connect your computer to the same network.
- Open your web browser and enter the IP address of A2/A4/A8/A16.
- The web configuration interface will be launched.



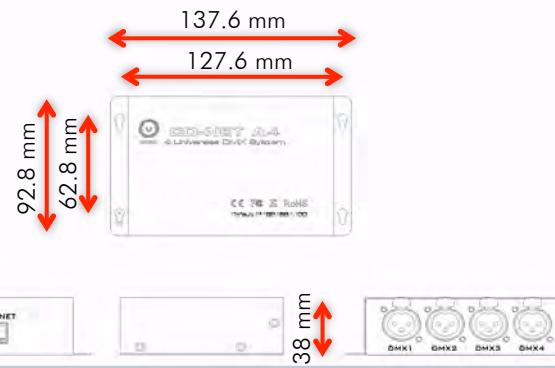
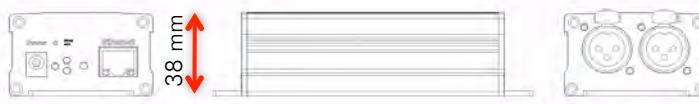
# Artnet Controller



## A2 ARTNET CONTROLLER

**SIZE:** 5.51"x2.48"x1.49" (140x63x38mm)

**ORDER CODE:** UNILCA2

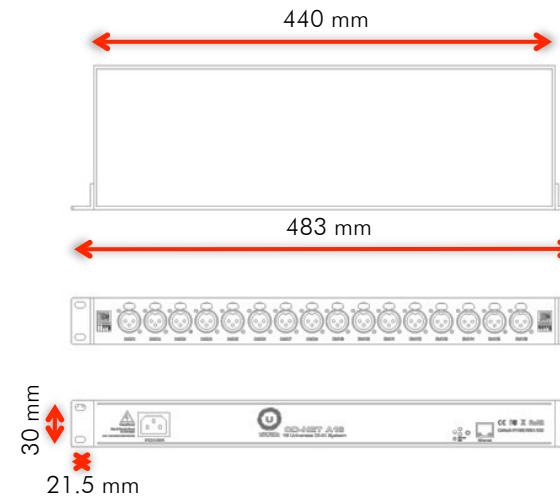


## A4 ARTNET CONTROLLER

**SIZE:** 5.41"x3.66"x1.49" (137.6x92.8x38mm)

**ORDER CODE:** UNILCA4

# Artnet Controller

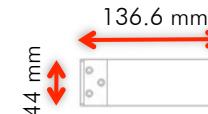


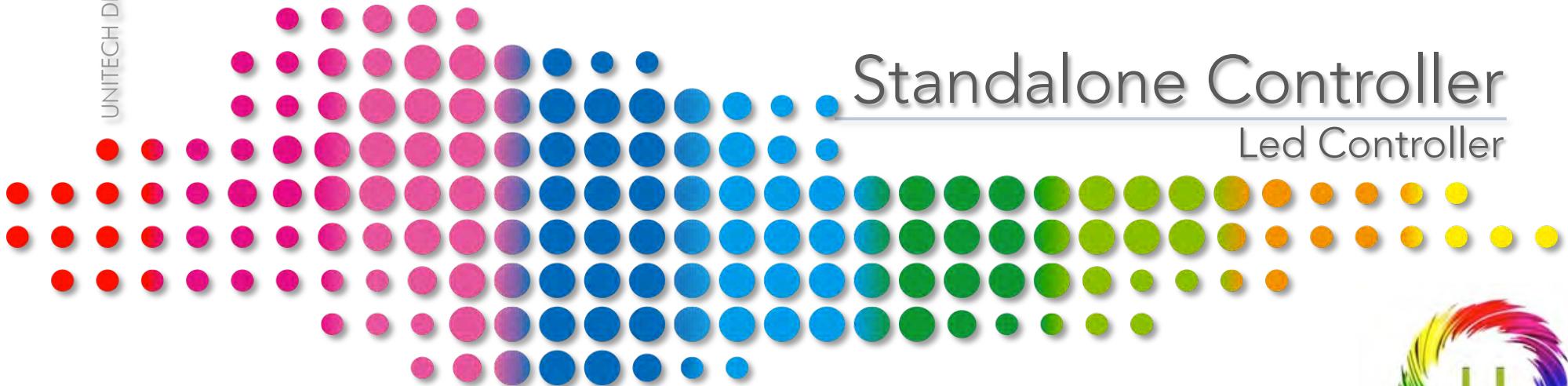
## A8 ARTNET CONTROLLER

**SIZE:** 19.01"x5.37"x1.73" (483x136.6x44mm)  
**ORDER CODE:** UNILCA8

## A16 ARTNET CONTROLLER

**SIZE:** 19.01"x5.37"x1.73" (483x136.6x44mm)  
**ORDER CODE:** UNILCA16





# Standalone Controller

---

## Led Controller



# Standalone Controller

## FEATURES

- AS4 controller is a new generation live or standalone 4DMX universes interface.
- The Ethernet port can be used for live mode under the IED software.
- The built in slot for SD card allow user to run lighting effects without computer.
- The DMX IN function allows user can trigger lighting effects by external device.
- User can preprogram lighting effects Software and save into SD card.
- User can do a standalone playback schedule in the Timeline of Software.
- With the Clock design built in controller, user can run different effects at different time.
- User can connect multiple AS4 controllers and run them together in synchronous mode.
- User can update the firmware of controller once we have new version released.

FRONT VIEW



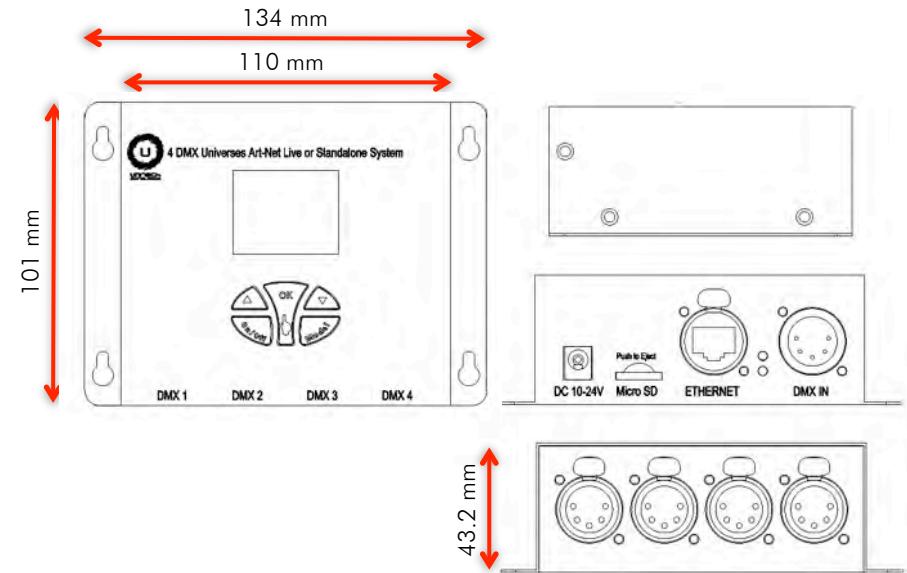
BACK VIEW



# Standalone Controller

## SPECIFICATIONS

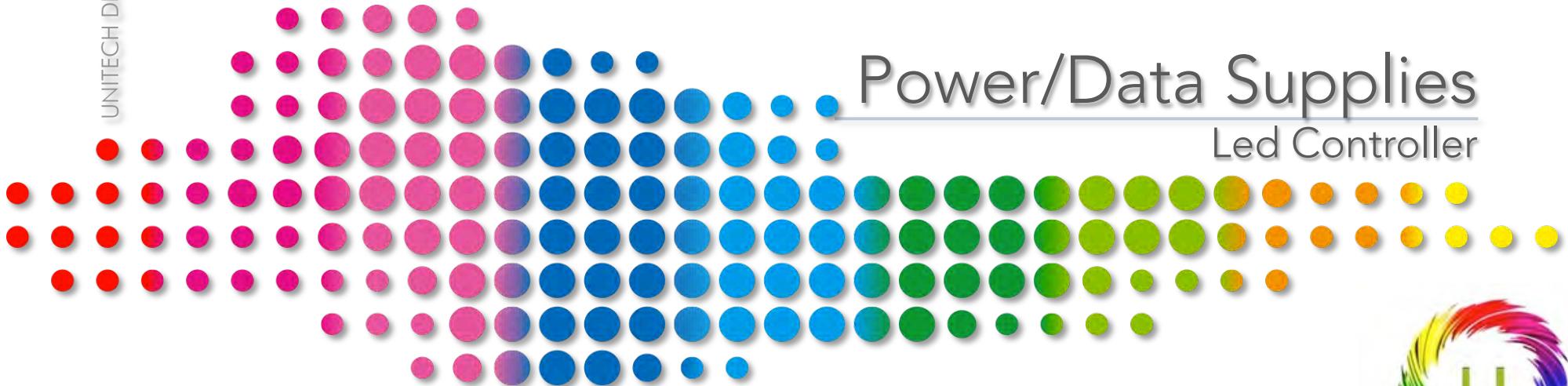
	AS4
Power Input	10-24Vdc
Input Protocol	ARTNET/SD Card/DMX IN
Output Protocol	DMX512
Refresh Rate	40Fps
Default IP	192.168.1.100
Default Subnet	255.255.255.0
Cable	Net cable
DMX512(Out)	4x512 Channels
Ethernet Port	RJ45
DMX512 Ports	3 Pin/5 Pin XLR Female
SD Card	Max 32 Gb
Housing	Black Metal
IP	IP20
Dimension	110x101x43 mm
Dimension	134x101x43 mm
Certificate	CE



## AS4 STANDALONE CONTROLLER

**SIZE:** 5.27"x3.97"x1.69" (134x101x43 mm)

**ORDER CODE:** UNILCAS4



## Power/Data Supplies Led Controller



# Power / Data Supplies

## FEATURES

- C Pro Series is one system integrated with Artnet controller and power supply together. Each 4Pin port can provide DMX signal and power together to led fixtures.
- C Pro converts Art-Net data from Ethernet network to DMX512.
- C pro Family Artnet Controller has 2universes A2 Pro/A2 Pro(EX) and 8 universes A8 Pro/A8 Pro(EX)
- Perfect synchronization between each universe.
- C pro offers powerful features, especially in combination with specific software.
- Power/artnet supplies take full advantage of pixel mapping and voxel mapping, easy to install.
- The power/artnet supplies is ready within seconds after start-up. An HTP merge is automatically available for two Art-Net sources.  
If required, you can access and change specific device settings using the built-in web configuration tool.

### A2 PRO

Power/Data Supplies



### A2 PRO(EX)

Power/Data Supplies



### A8 PRO

Power/Data Supplies



### A8 PRO(EX)

Power/Data Supplies



# Power / Data Supplies

## SPECIFICATIONS

	A2 Pro	A2 Pro (EX)	A8 Pro	A8 Pro (EX)
Power Input	100-240VAc 50/60Hz	100-240VAc 50/60Hz	100-240VAc 50/60Hz	100-240VAc 50/60Hz
Input Protocol	ARTNET	ARTNET	ARTNET	ARTNET
Output Protocol	DMX512	DMX512	DMX512	DMX512
Refresh Rate	40Fps	40Fps	40Fps	40Fps
Default IP	192.168.1.100	192.168.1.100	192.168.1.100	192.168.1.100
Default Subnet	255.255.255.0	255.255.255.0	255.255.255.0	255.255.255.0
Cable	Net cable	Net cable	Net cable	Net cable
DMX512(Out)	2x512 Channels	4x512 Channels	8x512 Channels	16x512 Channels
Power(Out)	200W	200W	1280W	1280W
Ethernet Port	RJ45	RJ45	RJ45	RJ45
Output Port	4 Pin Female	4 Pin Female	4 Pin Female	4 Pin Female
Housing	Grey Metal	Grey Metal	Black Metal	Black Metal
IP	IP65	IP65	IP20	IP20
Dimension	274x174x121 mm	274x174x121 mm	440x136.6x44 mm	440x136.6x44 mm
Dimension with brackets	274x174x121 mm	274x174x121 mm	483x136.6x44 mm	483x136.6x44 mm
Certificate	CE	CE	CE	CE

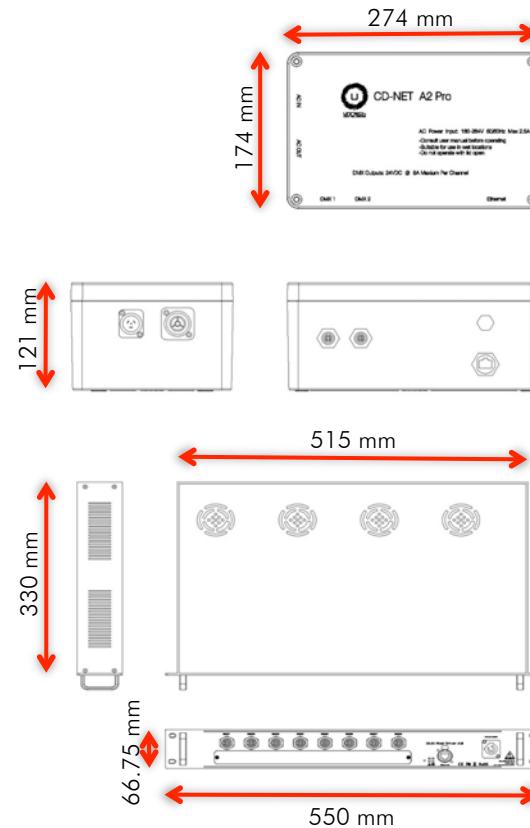
## WEB CONFIGURATION

It's possible to access various settings and information by using a web configuration interface:

- Connect your computer to the same network.
- Open your web browser and enter the IP address.
- The web configuration interface will be launched.



# Power / Data Supplies



## A2 Pro POWER/DATA SUPPLIES

**SIZE:** 10.78"x6.85"x4.76" (274x174x121 mm)  
**ORDER CODE:** UNILCA2P

## A2 Pro (EX) POWER/DATA SUPPLIES

**SIZE:** 10.78"x6.85"x4.76" (274x174x121 mm)  
**ORDER CODE:** UNILCA2PE

## A8 Pro POWER/DATA SUPPLIES

**SIZE:** 19 "x5.35"x1.73" (483x136.6x44 mm)  
**ORDER CODE:** UNILCA8P

## A8 Pro (EX) POWER/DATA SUPPLIES

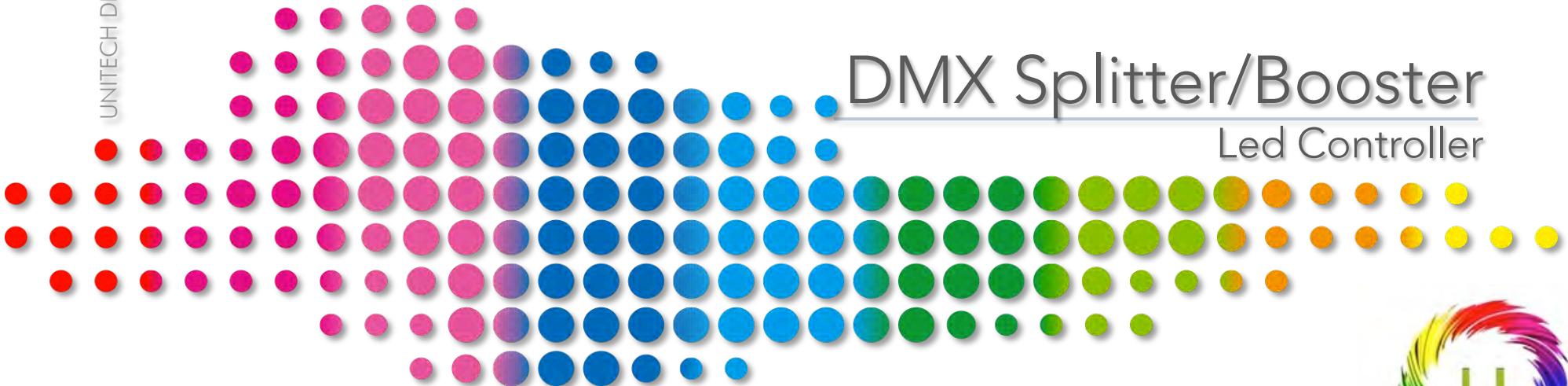
**SIZE:** 19"x5.35"x1.73" (483x136.6x44 mm)  
**ORDER CODE:** UNILCA8PE

## 4 Pin Connector Layout



## Accessories

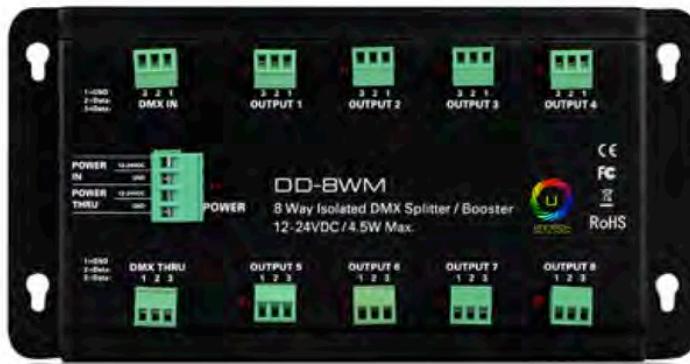




# DMX Splitter / Booster

## FEATURES

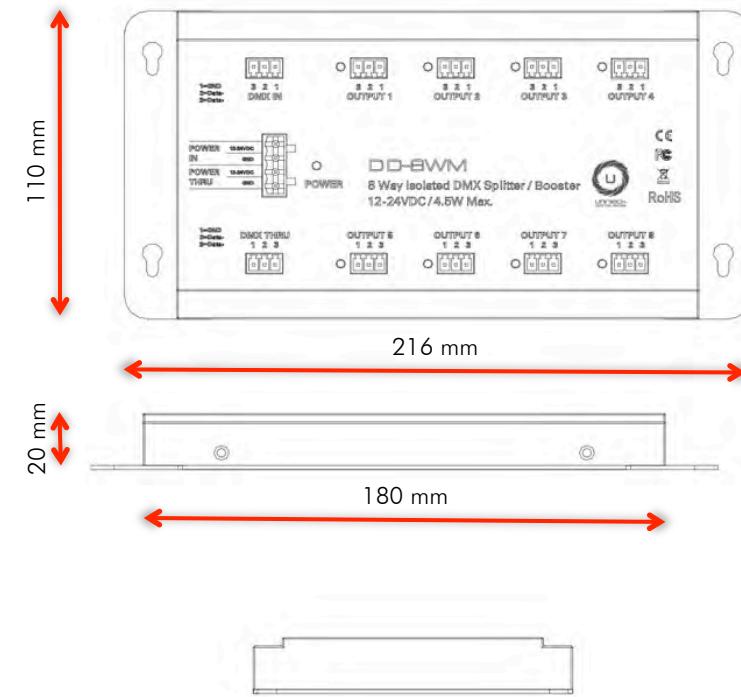
- 8 way DMX Splitter/Booster.
- Isolated DMX Input/Outputs.
- DD-8WM splitter is a 8-output DMX/RDM splitter with DMX/RDM pass-through supporting bi-directional communications for discovery, addressing and DMX control.
- This unit takes the incoming DMX signal and splits the signal into 8 separate output channels.
- All 8 output ports have independent output driver to boost the RDM/DMX signal.
- Can be controlled from 512 to 8\*512 channels



# DMX Splitter / Booster

## SPECIFICATIONS

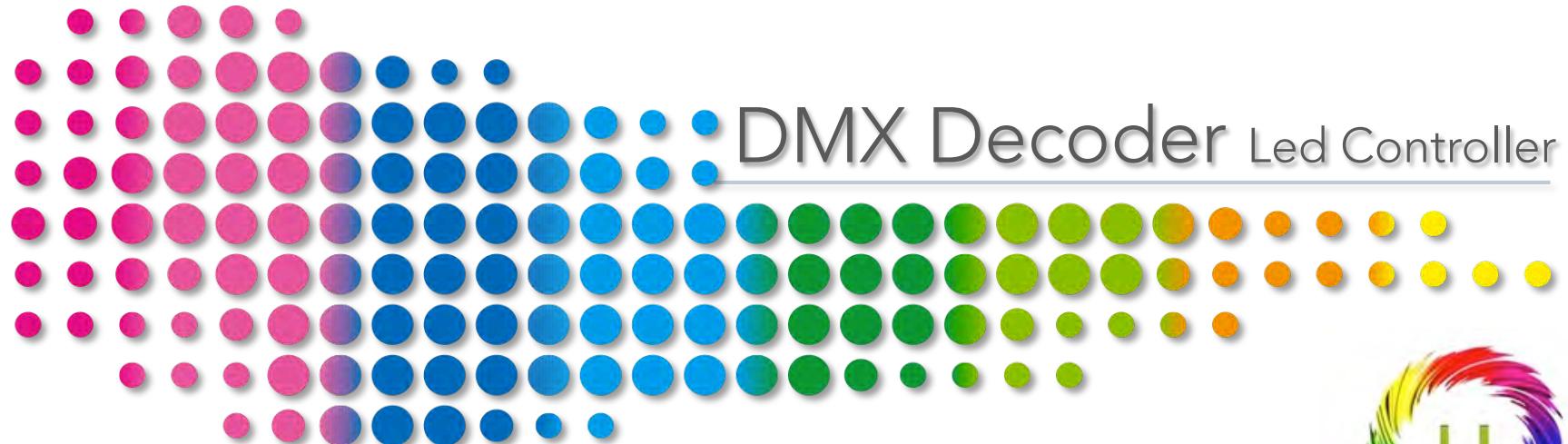
DD-8WM	
Voltage	DC12-24V
Power Consumption	4.5W
Output	Eight 3-pin terminal sockets
Connections	Two piece compression screw terminals
Housing	Aluminum
Mounting	Surface mount
Dimension	216x110x21 mm
Operation Temperature	-10° to 35°C
Storage Temperature	-20° to 70°C
Weight	660g
Protection rating	IP20, Interior applications
Certificate	CE



## DD-8WM DMX SPLITTER/BOOSTER

**SIZE:** 8.5"x4.33"x0.82" (216x110x21 mm)

**ORDER CODE:** UNILCDD8



## DMX Decoder Led Controller

---



UNITECH  
DIGITALMEDIA

---

# DMX Decoder DMX to x chip decoder

## FEATURES

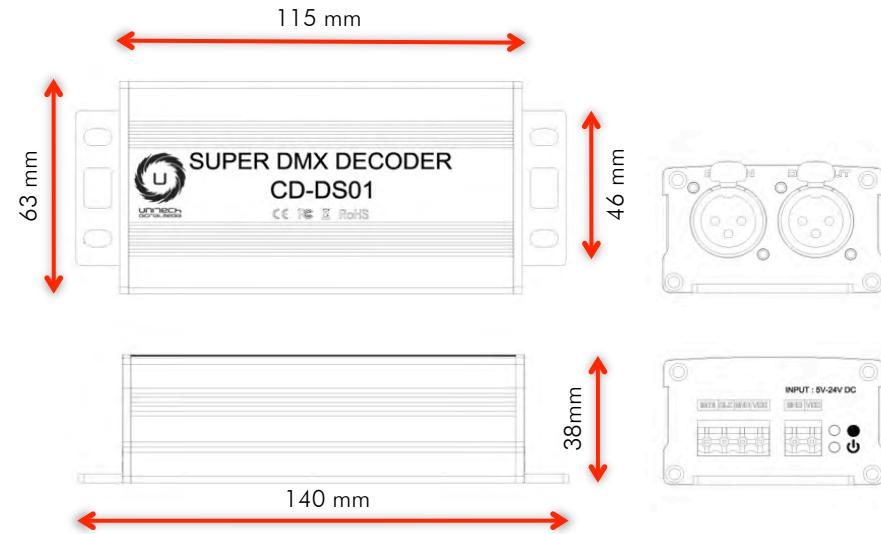
- DMX to X Chip decoder receives standard DMX512 signal and transform it into X Chip signal for driving LED.
- User can connect this DMX decoder with Artnet controller or standalone controller.
- Support DMX512 (1990) protocol. The baud rate supports 250 kbps, 500kbps, 750kbps and 1Mbps.
- Support two DMX decoding models: initiative decoding and passive decoding.
- In initiative decoding model, the maximum IC QTY depends on the DMX frame rate.
- In passive decoding model, the maximum IC QTY depends on the decoder.
- User can set DMX address and address offset auto increment.
- Support gamma correction.
- It can decode about 20 kinds of IC.
- Support random changing of the order of RGB.
- Support pixel replication function. (Example: if you have one meter 30leds and 30pixels strip in your hand, then you can set 1LED as one pixel, 2LEDs as one pixel, 3LEDs as one pixel, 4LEDs as one pixel and so on).



# DMX Decoder DMX to x chip decoder

## SPECIFICATIONS

	DMX512L
Voltage	DC5-24V
Input Current	15A
Standby Power	<1W
Input Protocol	DMX512
Input Connection	XLR 5 pin
Output Protocol	X-Chip
Control Channel	512 Channels
Change DMX Baud	Support
Change DMX Mode	Support
Set DMX Address	Support
Set Gamma Correction	Support
Change RGB Sequence	Support
Pixel Copy	Support
IC Selection	Support
Led Output Voltage	DC5-24V
Dimension	115x63x38 mm
Dimension with brackets	140x63x38 mm
Operation Temperature	-20° to 60°C
IP	IP20
Certificate	CE



### DMX512L DMX DECODER

**SIZE:** 5.51"x2.48"x1.49" (140x63x38 mm)

**ORDER CODE:** UNILCDD512L

# DMX Decoder DMX to x chip decoder

## DMX DECODER IC SELECTION LIST

N°	IC	FREQUENCY
000-007	TLS3001/LX2003/LX2006	300kbps/400kbps/500kbps/600kbps/700kbps/800kbps/900kbps/1Mbps
008-015	APA102	600kbps/800kbps/1Mbps/1.2Mbps/1.4Mbps/1.6Mbps/1.8Mbps/2Mbps
016-023	WS2801/WS2803	600kbps/800kbps/1Mbps/1.2Mbps/1.4Mbps/1.6Mbps/1.8Mbps/2Mbps
024	UCS1903/UCS1904/UCS1909/UCS1912/ UCS2903/UCS2909/UCS2912/WS2811	400kbps
025	TM1803/TM1804/TM1809	400kbps
026	GW6201/SM16715	416kbps
027	LX1003	555Kbps
028	APA104/APA106	584Kbps
029	UCS19xx/UCS29xx/TM180x/WS281x	800kbps
030	GW6201/GW6204EM/SM16715	833kbps
031	LX1003/LX1203/TLS3200	1.1Mbps
032-039	UCS3903/UCS3912	1.53Mbps
040-047	GW6205	416kbps/833kbps
048-055	UCS8903/UCS8904	800kbps
056-063	UCS9806/UCS9809/UCS9812	1.1Mbps
064-071	SM16716	600kbps/800kbps/1Mbps/1.2Mbps/1.4Mbps/1.6Mbps/1.8Mbps/2Mbps
072	MBI6120	150Kbps/200Kbps/300Kbps/400Kbps/500Kbps/600Kbps/700Kbps/ 800Kbps
080-119	Not Used	N/A
120	WS2821/UCS512/MY9931/MY9933/ MY9941/MY9942/MY9943	250Kbps

# DMX Decoder DMX to PWM decoder

## FEATURES

- DMX to PWM 8CH/9CH decoder adopts the advanced micro control unit.
- It receives standard DMX-512 digital control signal and transforms it into PWM signal for driving LED
- CD-DP08:8 channels and Max.4A for each channel
- CD-DP09:9 channels and Max.4A for each channel
- Support White, Dynamic White, RGB, RGBW
- DMX Address can be set by DIP switch on the decoder.
- User can connect this DMX decoder with Artnet controller or standalone controller.
- Frequency 8KHZ, LED no flicker in camera recording.
- Protection: Short circuit, hot pugging, and reverse connection.

**DP08**

DMX to PWM Decoder

**DP09**

DMX to PWM Decoder



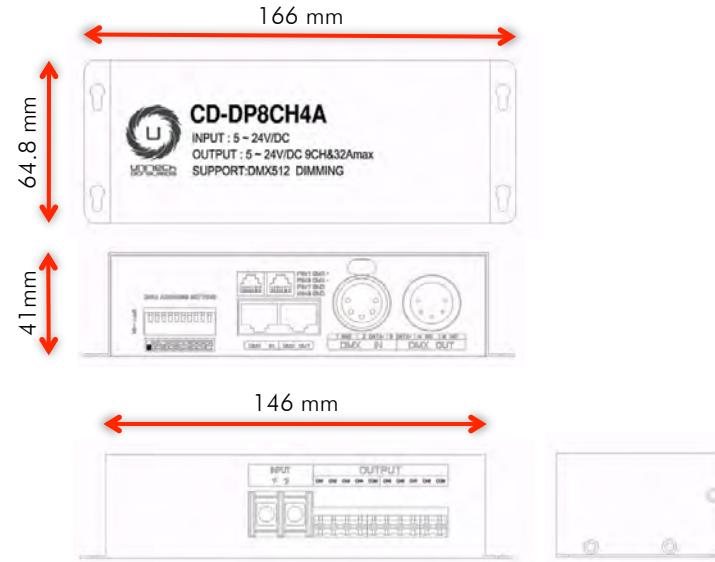
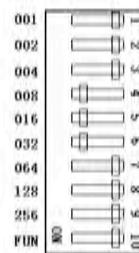
# DMX Decoder DMX to PWM decoder

## SPECIFICATIONS

	DP08	DP09
Voltage	DC5-24V	DC5-24V
Input Current	30A	30A
Standby Power	<1W	<1W
Dimming Protocol	DMX512	DMX512
Signal Connection	XLR 5 pin or RJ45	XLR 5 pin or RJ45
Control Channel	8 Channels	9 Channels
Connection Mode	Common Anode	Common Anode
Diver Mode	Constant Voltage	Constant Voltage
LED Output Load	RGBW:4A per Output	RGBW:4A per Output
LED Output Voltage	DC5-24V	DC5-24V
Dimension	146x65x41 mm	146x65x41 mm
Dimension with brackets	166x65x41 mm	166x65x41 mm
Operation Temperature	-20° to 60°C	-20° to 60°C
IP	IP20	IP20
Certificate	CE	CE

## ADDRESS SETTING

User can set the address by DIP switch. DIP switch in Up Position OFF, the value of this position is 0. DIP switch in Down Position ON, you can get the value of this position; DIP Position 1-9 is the binary system number of setting beginning DMX512 address, 1 is the lowest and 9 is the highest. User can set 512 addresses totally. DIP position 10 is function button, FUN=OFF, user can receive DMX512 signal from controller. FUN=ON, user can test led with decoder self effects.



### DP08 DMX DECODER

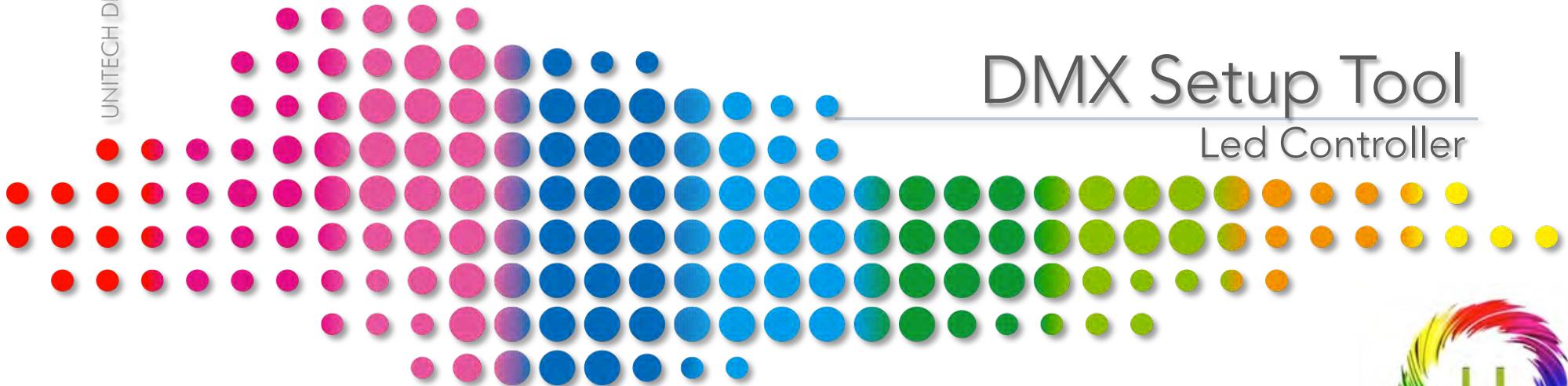
**SIZE:** 6.53"x2.55"x1.61" (166x65x41 mm)

**ORDER CODE:** UNILCDDP08

### DP09 DMX DECODER

**SIZE:** 6.53"x2.55"x1.61" (166x65x41 mm)

**ORDER CODE:** UNILCDDP09



# DMX Setup Tool

## Led Controller



# DMX setup tool

## FEATURES

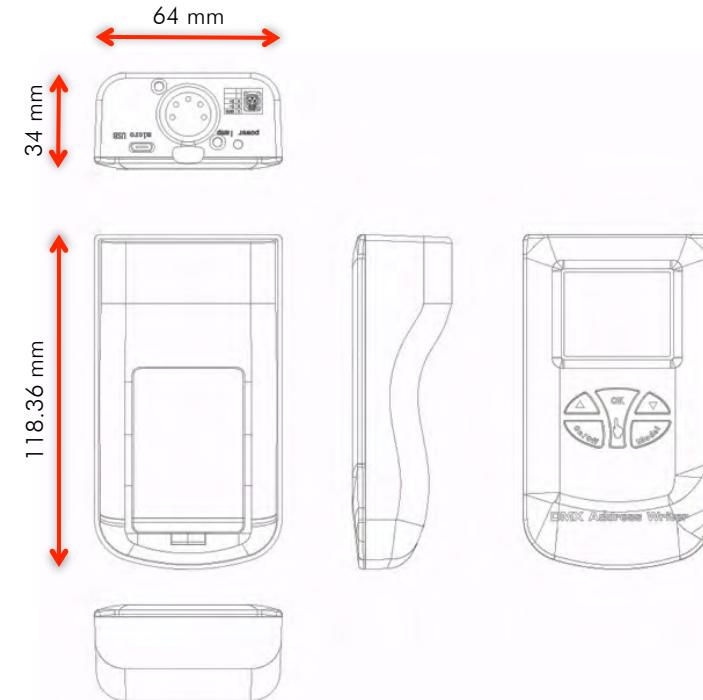
- CD-WT01 is a professional DMX address writer with extra powerful functions.  
It's convenient for customers to set DMX address, set DMX decoder and test led lights.
- There are five buttons including UP, OK, DOWN, ON/OFF, MODE in the surface.
- User can set DMX address by pressing UP, DOWN and OK.
- User can set DMX address offset auto increment according to led light channels.
- User can set DMX decoder DX512l and DX512m.
- User can test led color with CD-WT01 after installation.
- Standard DMX 512 control protocol (max 40frames/second).
- Powered by battery or USB for easy carry.



# DMX setup tool

## SPECIFICATIONS

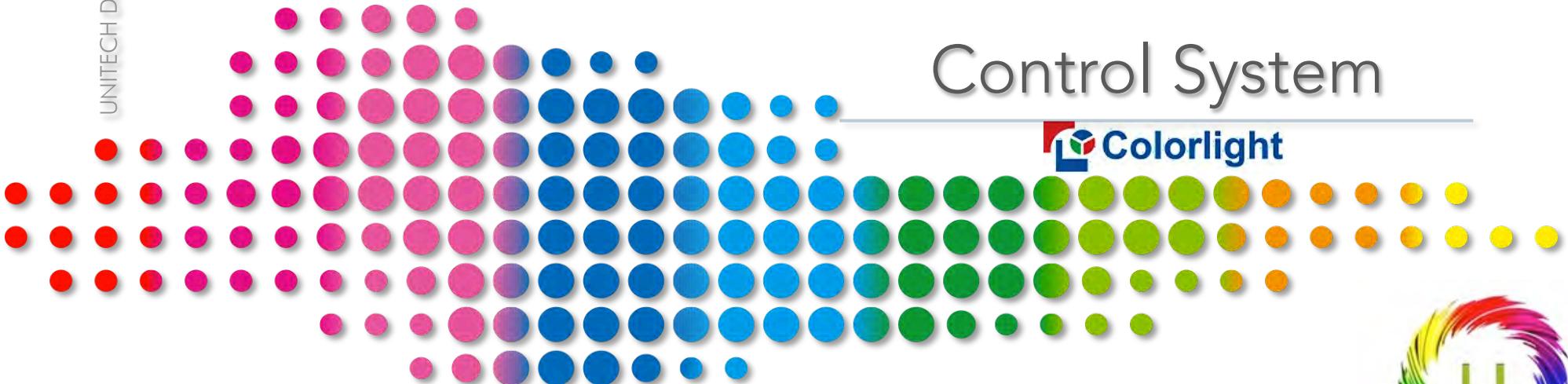
CD-WT01	
Supply Voltage	Dc5V
Power Requirement	USB
Control	DMX512
DMX Channels	512 Channels
Data output	XLR 5 Pin
Address Setting	Manually
Main Function	Set Address/Set DMX Decoder/Test LED Color
USB Connection	Micro USB
Housing	Black Plastic
Dimension	122x62x32
Operation Temperature	-20° to 60°C
Storage Temperature	-40° to 80°C
Protection Rating	IP20
Certificate	CE



## CD-WT01 DMX SETUP TOOL

**SIZE:** 4.80"x2.44"x1.25" (122x62x32 mm)

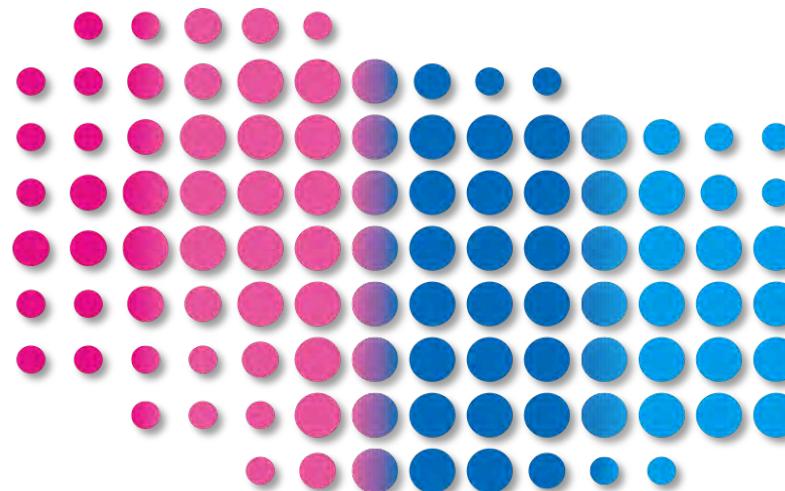
**ORDER CODE:** UNILCWT01



## Control System

 Colorlight





Z4 Controller



# Z4 Controller

Z4 is a professional LED display controller. As video splicer, processor and sender in one combined, Z4 has high capability of video signal reception, processing and transmission. It achieves excellent high-definition images and flexible image control function.

Z4 can be applied to popular rental display and common fixed display perfectly.

- Video input ports including 1\*HDMI(with loop), 1\*DVI(with loop), 2\*SDI, 1\*DP;
- Input resolution up to 1920\*1200@60Hz;
- The input images can be scaled according to the screen resolution;
- Support PIP and picture window roaming, the location and size of PIP can be adjusted freely;
- Support 12bit HD video source;
- Loading capacity: 2.3 million pixels; Maximum Width: 4096 pixels, Maximum Height: 4096 pixels;
- Support splicing and cascading among several controllers with synchronization strictly;
- Build-in WiFi module to connect to Internet, support management via smartphone, Pad, etc.;
- Support brightness and chromaticity adjustment, color gamut transformation;
- Support zero latency of sending;
- Support improved gray-scale at low brightness;
- Support HDCP1.4;
- Compatible with all receiving cards , multifunction card, optical fiber transceivers of Colorlight.



# Z4 Controller

## FRONT PANEL

1.8-inch LCD	Display operation menu and system information
Knob	Turning knob to select or adjust
Function keys	OK: Enter key ESC: Escape current operation or selection Bright: Brightness option Black: Blank screen
Selection keys	PIP: PIP switch Lock: Lock keys Freeze: Freeze screen DVI/HDMI/SDI1/SDI2/DP: Set up video source input



## BACK PANEL

### INPUT INTERFACE

HDMI	HDMI1.4 input with loop
DVI	DVI input with loop
SDI	2x3G-SDI inputs
DP	DP input

### OUTPUT INTERFACE

Fiber Output	Fiber output
Gigabit Ethernet	4 Neutrik Gigabit Ethernet outputs
HDMI	HDMI monitoring output

### CONTROLLING INTERFACE

100M Ethernet	Network Control (communication with PC, or access network)
USB_OUT	USB output, cascading with next controller
USB_IN	USB input, connection with PC to configure parameters
WIFI Interface	Connect with WiFi antenna

### Z4 Controller

**SIZE:** 19"x1.73"x11.81" (482.6x44x300 mm)

**WEIGHT:** 4.4 lb (2 kg)

**ORDER CODE:** UNIPROZ4

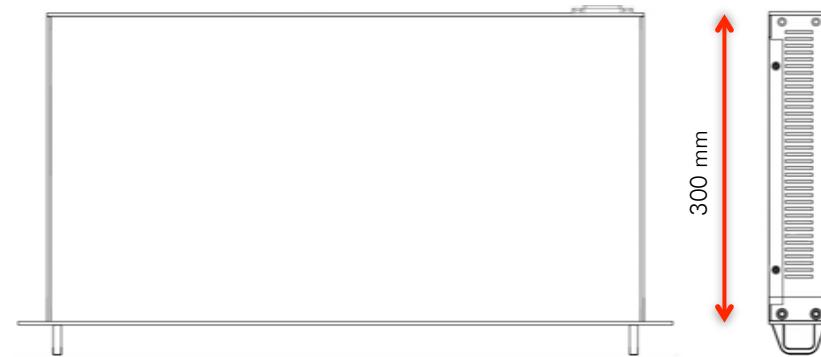
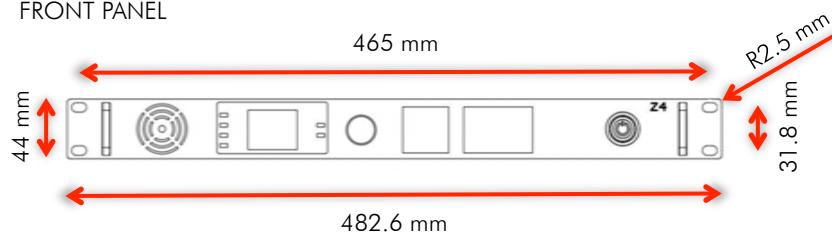
# Z4 Controller

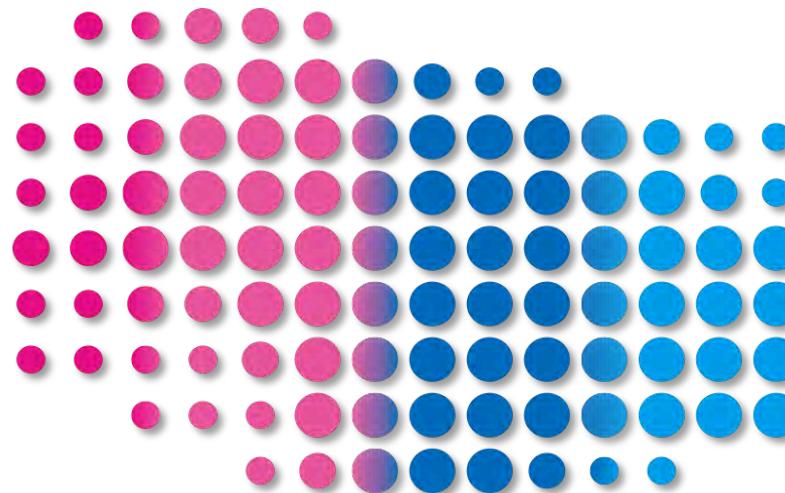
Port HDMI	N° 1 - EIA/CEA-861 Standard, in accordance with HDMI-1.4 standard, support HDCP1.4
Port SDI	N° 2 – 1080P
Port DP	N° 1 - VESA Standard (support input resolution up to 1920*1200@60Hz)
Port DVI	N° 1 - VESA Standard (support 1080P input), support HDCP
Size	1U standard box
Input Voltage	AC100 - 240 V
Rated Power	20 W
Working Temperature	- 25° - +80°C

BACK PANEL



FRONT PANEL





## Z6 Controller

---



# Z6 Controller

Z6 Super Controller is a professional LED display controller. As video splicer, processor and sender in one combined, Z6 has 4K video input capability, UHD and HDR images processing and transmission.

Z6 can be applied to high-end rental display and high resolution LED display perfectly.

- Video input ports including SDI×2, HDMI2.0×1, DVI×4;
- Support input resolution up to 3840×2160@60Hz
- Loading capacity: 8.3 million pixels, Maximum Width/Height: 8192 pixels
- The input images can be spliced and zoomed according to the screen resolution;
- Support PIP function, the location and size can be adjusted freely
- Support splicing and cascading among several controllers with synchronization strictly;
- Support 3D display;
- Support brightness and chromaticity adjustment
- Support improved gray-scale at low brightness;
- Support HDCP2.2;
- Compatible with all receiving cards, multifunction card, optical fiber transceivers of Colorlight.



# Z6 Controller

## FRONT PANEL

3.5-inch LCD	Display operation menu and system information
Knob	Turning knob to select or adjust
Function keys	OK: Enter key ESC: Escape current operation or selection Bright: Brightness option Black: Blank screen Lock: Lock keys
Selection keys	PIP: PIP switch Freeze: Freeze screen DVI/HDMI/SDI1/SDI2: Video source input



## BACK PANEL

INPUT INTERFACE	
SDI	2 3G-SDI inputs
HDMI	HDMI2.0 input
DVI	4 DVI inputs
OUTPUT INTERFACE	
Gigabit Ethernet	16 Neutrik Gigabit Ethernet outputs
CONTROLLING INTERFACE	
100M Ethernet	100M-Ethernet Control port (communication with PC, or access network), and can be used as Artnet control port
USB_OUT	USB output, cascading with next controller
USB_IN	USB input, which connect with PC to configure parameters
Genlock	Genlock signal input ensures synchronism of display image
Genlock_loop	Genlock synchronous signal loop output
3D sync	Connect to 3D emitter (Optional)

## Z6 Controller

**SIZE:** 18.22"x14.13"x3.46" (463x359x88 mm)  
**WEIGHT:** 19.84 lb (9 kg)  
**ORDER CODE:** UNIPROZ6

# Z6 Controller

Size	2U standard box
Input Voltage	AC100 - 240 V
Rated Power	80 W
Working Temperature	- 25° - +80°C
Weight	9Kg

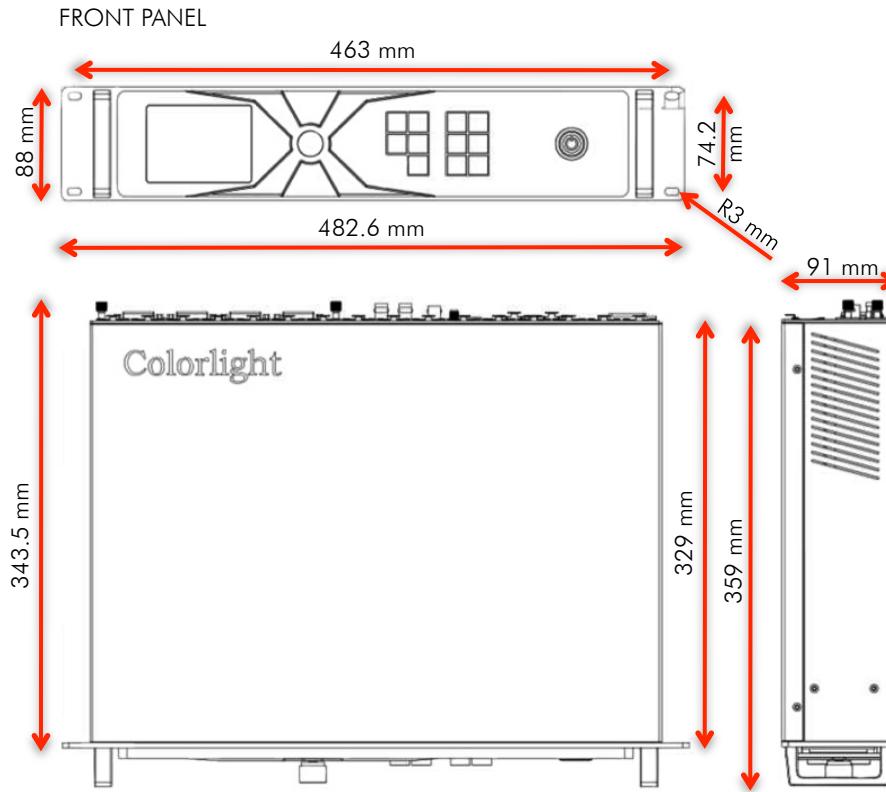
## INPUT INDEX

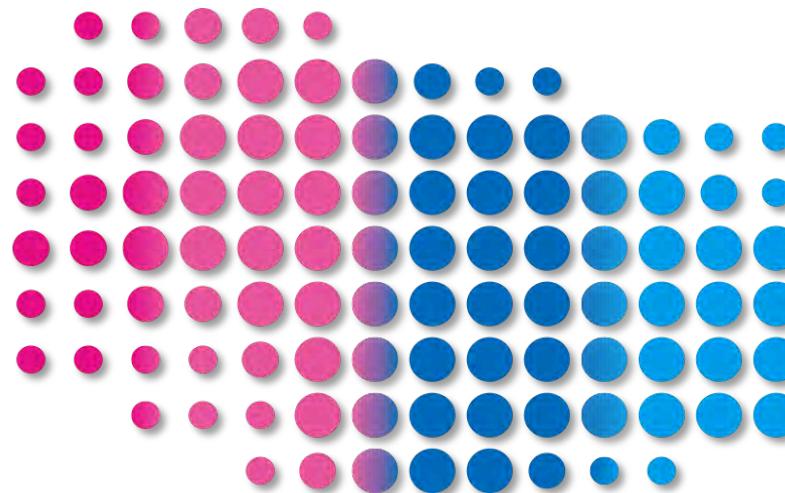
Port HDMI	Nº 1 - EIA/CEA-861 Standard, in accordance with HDMI-2.0 standard, support HDCP2.0 3840x2160@60hz Remarks: 8bit supports RGB444, YCbCr444, YCbCr422, YCbCr420 10bit supports YCbCr422, YCbCr420
	Nº 1 - EIA/CEA-861 Standard, in accordance with HDMI-2.0 standard, support HDCP2.0 1920x1080@60hz Remarks: 8/10bit supports RGB444, YCbCr444, YCbCr422, YCbCr420
Port SDI	Nº 2 – 1080P
Port DVI	Nº 4 - VESA Standard (support 1080P input), support HDCP 1920x1080@60hz Remarks: 8/10/12bit supports RGB444, YCbCr444, YCbCr422, YCbCr420

## OUTPUT INDEX

8 bit Color Depth	Resolution Specification 3840x2160@60hz
10 bit Color Depth	Resolution Specification 2880x2160@60hz

# Z6 Controller





X2 Controller



# X2 Controller

X4 is a professional LED X2 is a professional LED display controller, it possesses powerful video signal receiving capacity, and supports multiple signal inputs, in which max input resolution is 1920\*1200 pixels. Meanwhile, 2 Gigabit Ethernet outputs support big LED display of 2560 pixels in maximum width/height. X2 adopts dual USB2.0 interfaces for high-speed configuration and easy cascading, and the operation is simple and convenient. Also, it equips a series of versatile functions, which have many advantages in applications of manufacture and engineering.

- Video input ports including SDI×1, HDMI×1, DVI×1, VGA×1, CVBS×1;
- Support input resolution up to 1920\*1200@60Hz;
- Loading capacity: 1.3 million pixels, Maximum Width/Height: 2560 pixels;
- Support arbitrary switching of video input, and the image can be zoomed freely;
- Dual USB2.0 for high speed configuration and easy cascading;
- Support splicing and cascading among several controllers with synchronization strictly;
- Support brightness and chromaticity adjustment;
- Support improved gray-scale at low brightness;
- Support HDCP1.4;
- Compatible with all receiving cards, multifunction card, optical fiber transceivers of Colorlight;





# X2 Controller

## FRONT PANEL

1.8-inch LCD	Display operation menu and system information
Knob	Turning knob to select or adjust OK: Enter key ESC: Escape current operation or selection Bright: Brightness option Black: Blank screen TAKE: Switch input signal source PART: Screen clipping FREEZE: Freeze screen
Function keys	
Selection keys	DVI/HDMI/SDI/VGA/CVBS: Video source selection



## BACK PANEL

INPUT INTERFACE	
SDI	SDI input
HDMI	HDMI input
DVI	DVI input
VGA	VGA input
CVBS	CVBS input
AUDIO	Audio input, input audio signal and transmit to the multifunction card

OUTPUT INTERFACE	
Port 1/2	RJ45, 2 Gigabit Ethernet outputs

CONTROLLING INTERFACE	
USB_IN	USB input, which connects with PC to configure parameters
USB_OUT	USB output, cascading with next controller

## X2 Controller

**SIZE:** 18.3"x9.44"x1.73" (465x240x44 mm)  
**WEIGHT:** 4.4 lb (2 kg)  
**ORDER CODE:** UNIPROX2

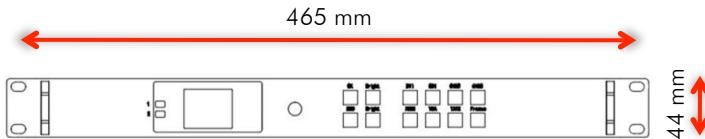
# X2 Controller

Size	1U standard box
Input Voltage	AC100 - 240 V
Rated Power	20 W
Working Temperature	- 25° - +80°C
Weight	2Kg

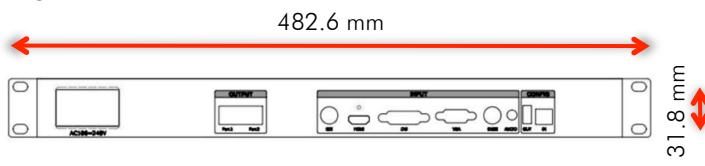
## INPUT INDEX

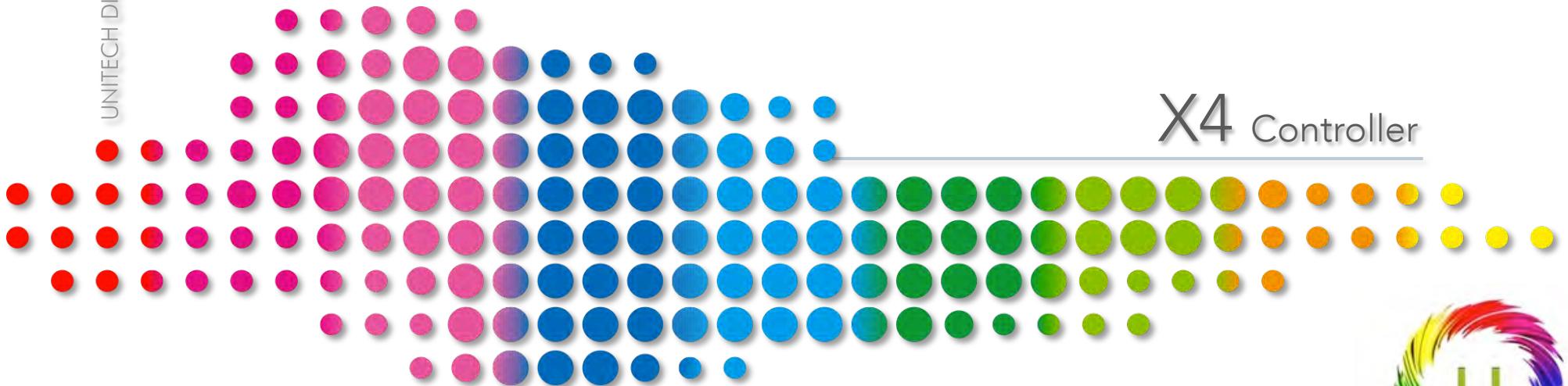
Port HDMI	N° 1 - EIA/CEA-861 Standard, support 1920*1200@60Hz, support HDCP
Port SDI	N° 1 - 1080P
Port DVI	N° 1 - VESA Standard (support 1920*1200@60Hz), support HDCP
Port VGA	N° 1 - VESA Standard (support input resolution up to 1920*1200@60Hz)
Port CVBS	N° 1 - PAL/NTSC

## FRONT PANEL



## BACK PANEL





X4 Controller



UNITECH  
DIGITALMEDIA

# X4 Controller

X4 is a professional LED display controller, it possesses powerful video signal receiving capacity, and supports multiple signal inputs, in which max input resolution is 1920\*1200 pixels. Meanwhile, 4 Gigabit Ethernet outputs support arbitrary splicing.

X4 adopts dual USB2.0 interfaces for high-speed configuration and easy cascading, and the operation is simple and convenient. Also, it equips a series of versatile functions, which have many advantages in applications of manufacture and engineering.

- Video input ports including SDI×1, HDMI×1, DVI×1, VGA×1, CVBS×1;
- Support input resolution up to 1920\*1200@60Hz;
- Loading capacity: 2.3 million pixels, Maximum Width: 4096 pixels, Maximum Height: 2560 pixels;
- Support arbitrary switching of video input, and the image can be zoomed freely;
- Dual USB2.0 for high speed configuration and easy cascading;
- Support splicing and cascading among several controllers with synchronization strictly;
- Support brightness and chromaticity adjustment;
- Support improved gray-scale at low brightness;
- Support HDCP1.4;
- Compatible with all receiving cards, multifunction card, optical fiber transceivers of Colorlight;



# X4 Controller



## FRONT PANEL

1.8-inch LCD	Display operation menu and system information
Knob	Turning knob to select or adjust  OK: Enter key ESC: Escape current operation or selection Bright: Brightness option Black: Blank screen TAKE: Switch input signal source PART: Screen clipping FREEZE: Freeze screen
Function keys	
Selection keys	DVI/HDMI/SDI/VGA/CVBS: Video source selection



## BACK PANEL

### INPUT INTERFACE

SDI	SDI input
HDMI	HDMI input
DVI	DVI input
VGA	VGA input
CVBS	CVBS input
AUDIO	Audio input, input audio signal and transmit to the multifunction card

### OUTPUT INTERFACE

Port 1/2/3/4	RJ45, 4 Gigabit Ethernet outputs
--------------	----------------------------------

### CONTROLLING INTERFACE

USB_IN	USB input, which connects with PC to configure parameters
USB_OUT	USB output, cascading with next controller

### X4 Controller

**SIZE:** 18.3"x9.44"x1.73" (465x240x44 mm)

**WEIGHT:** 4.4 lb (2 kg)

**ORDER CODE:** UNIPROX4

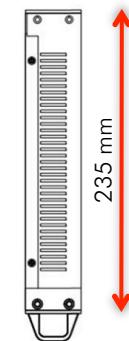
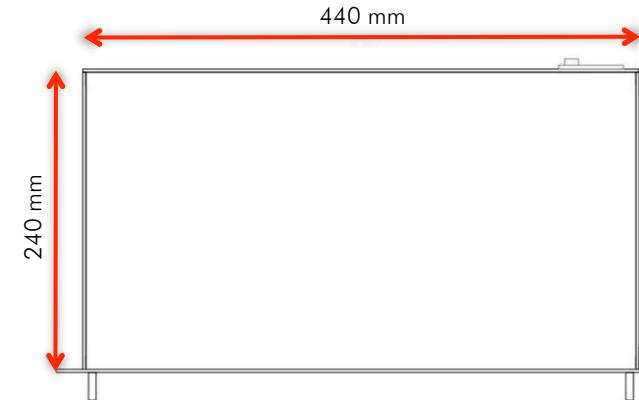
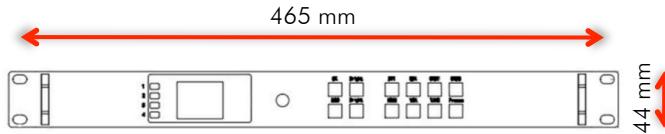
# X4 Controller

Size	1U standard box
Input Voltage	AC100 - 240 V
Rated Power	20 W
Working Temperature	- 25° -+80°C
Weight	2Kg

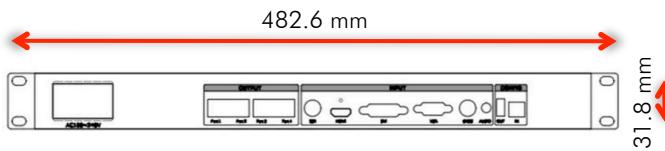
## INPUT INDEX

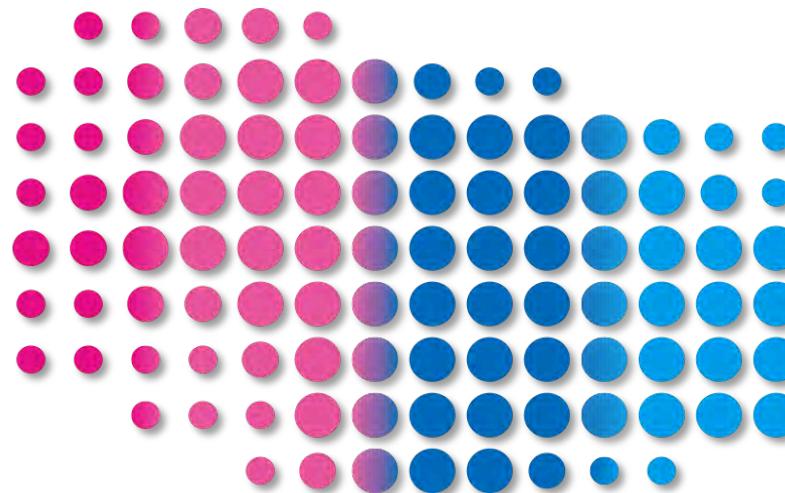
Port HDMI	Nº 1 - EIA/CEA-861 Standard, support 1920*1200@60Hz, support HDCP
Port SDI	Nº 1 - 1080P
Port DVI	Nº 1 - VESA Standard (support 1920*1200@60Hz), support HDCP
Port VGA	Nº 1 - VESA Standard (support input resolution up to 1920*1200@60Hz)
Port CVBS	Nº 1 - PAL/NTSC

## FRONT PANEL



## BACK PANEL





C3 Player



# C3 Player

As a new generation of LED controller, C3 can control LED screen without computer, it is convenient and cost-efficient. C3 adopts the industrial components and the embedded operating system, which is small, secure and stable. As a brand new controller application, C3 has been widely used in advertisers display and digital signage, etc.

- Maximum loading capacity: 655360 pixels;
- Maximum Width: 4096 pixels, Maximum Height: 1536 pixels;
- 8G memory, support maximum external 128GB storage;
- Edit contents by LEDVISION, support program schedule, multiple programs play;
- Support content publishing to U disc by LEDVISION, U disc plug-and-play;
- Support program page multi-window arrangement, freely set the window size and position, and support window overlapping;
- Rich media formats such as video, image, text, office, clock, weather etc.
- Program management and update through the USB line or fast Ethernet port.



# C3 Player

## FEATURES

Hardware	1.4GHz quad-core CPU Quad-core GPU 1GB@1066MHz DDR3 1080P HD Hardware decoding
Memory	8GB (System occupied 2.5G), external U disc supported
Loading Capacity	Maximum loading capacity: 655360 pixels; maximum width: 4096 pixels, maximum height: 1536 pixels
Receiving Card Supported	All Colorlight receiving cards
<b>INTERFACES</b>	
Ethernet Output	Output signal to receiving cards
Audio Output	1/8" (3.5mm)TRS
CONFIG Port	Set screen parameters, content transmission
USB Ports	USB2.0*2, support external storage (U disc or SD card, 128GB in maximum) or communication equipment
Ethernet Input	Access LAN (WAN not supported)
DC Power Supply	Standard 5V-12V input
<b>FILE FORMAT</b>	
Program Schedule	Support multiple Program play in sequence, support; Program timing play
Program partition	Support program windows splice, overlapping
Video Format	AVI, WMV, MPG, RM/RMVB, MOV, VOB, MP4, FLV, etc. Support multiple videos play at the same time.
Audio Format	MPEG-1 Layer III, AAC, etc.
Image Format	Bmp, jpg, png, etc.
Text Format	Txt, rtf, word, ppt, excel, etc.
Text Display	Single Line Text, Static Text, Multi-Line text, etc.
Play Window	4 video windows, multiple text/picture windows, scrolling text, scrolling image, LOGO, Date/Time/Week, weather. Flexible screen split, different contents in each window
OSD	Support 32bit OSD, support video/text/picture mixture or overlap, and available for fully transparent, opaque, translucent effects.
RTC	Real-time Clock Display and Management

# C3 Player

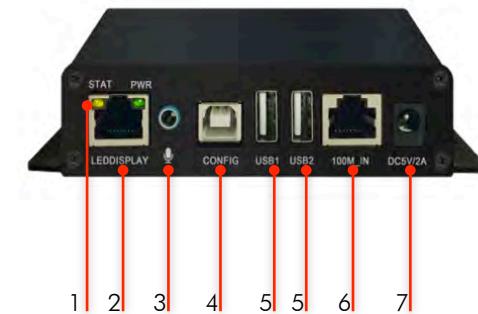


Size	128.5x103.6x28.3 mm
Working Voltage	DC 5V – 12V
A/C Adapter	AC 100-240V 50Hz
Rated Power	6 W
Working Temperature	- 25° - +80°C
Weight	0.23Kg
Working Temperature	-25° - 60°C
Environmental Humidity	0-95% without condensation

#### TERMINAL MANAGEMENT & CONTROL

Communication System	Stand-alone or access LAN
Content Update	U disc plug-and-play; Management terminal transmission
Management Devices	PC, Android, iOS smart terminals
Ethernet Control	Real-time brightness adjustment; Screen switch on/off; System parameters configuration; Content play control
Timing Switch on/off	Set through LEDVISION
Software	LEDDVISION 4.20/higher version

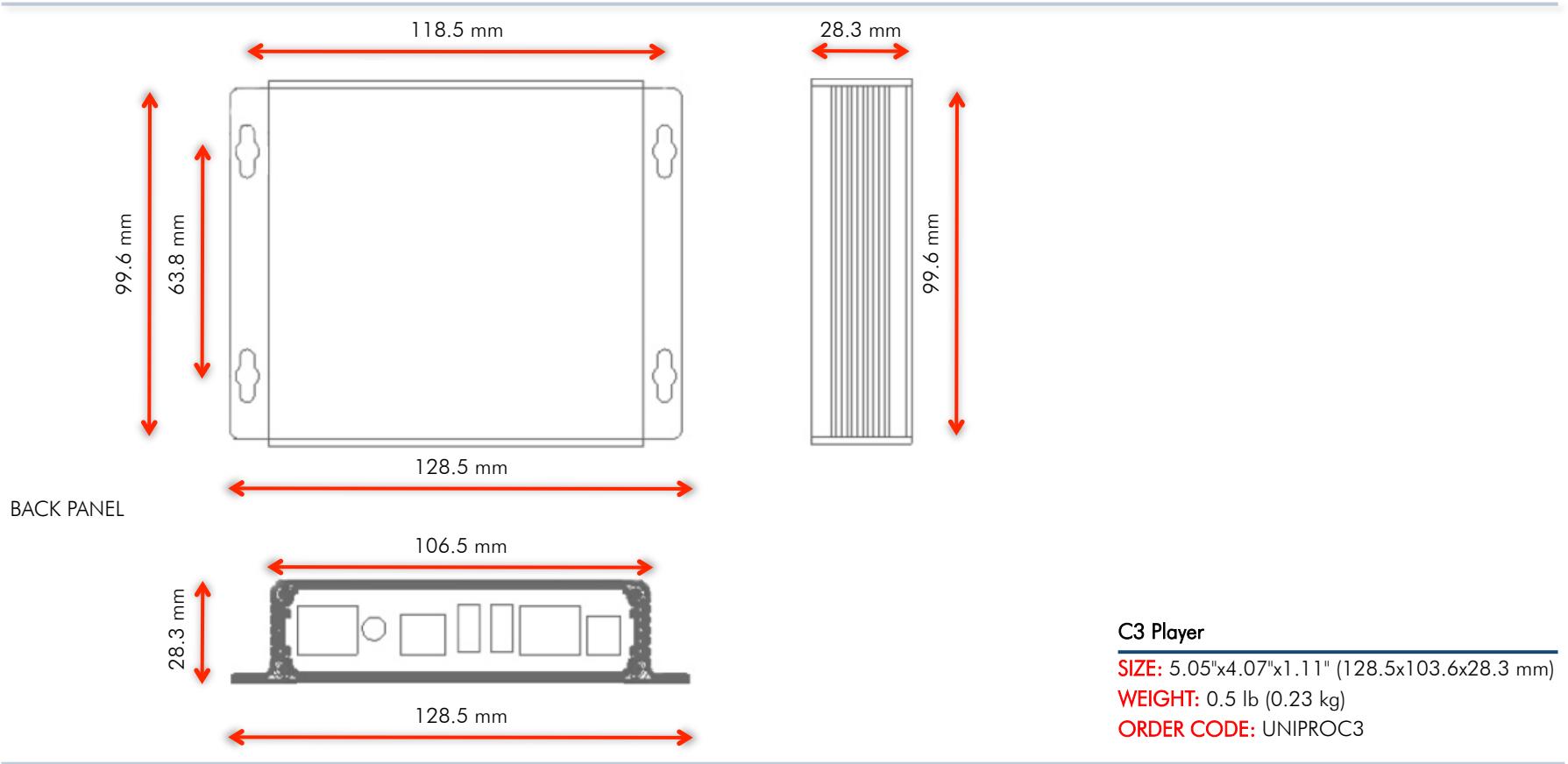
#### BACK PANEL

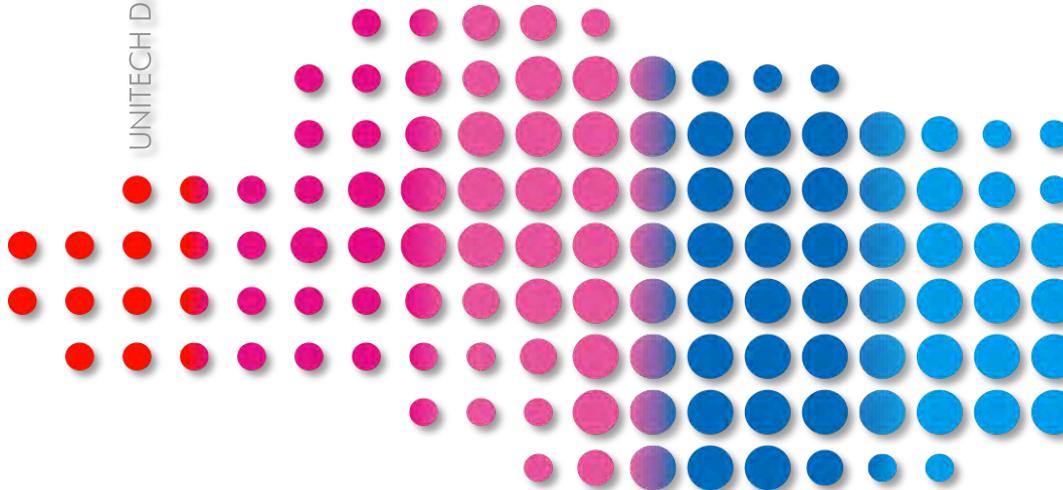


#### INTERFACE DESCRIPTION

1	Indicator Light	Yellow light flashes when signal detected; Green light is bright when power is normal
2	Ethernet Output	RJ45, signal output, connecting with receiving cards
3	Audio Output	HIFI stereo output
4	CONFIG Port	Setting parameters, content transmission, screen info read back
5	USB*2	For content updating and factory reset through U disc
6	Ethernet Input	100M input Ethernet, connecting PC with LAN
7	Power Supply Port	DC 5V/2A

# C3 Player





C4 Player



# C4 Player

- C4 can connect to Internet through LAN/WiFi/4G. Based on Colorlight Cloud Server, C4 can rapidly achieve unified management of multiple screens and multi-services across regions.
- C4 possesses powerful functions including equipment monitoring, program edition, scheduling and cluster publishing, multi-level authorization management, programs are published after review.
- C4 support multiple play windows and windows overlap, size and location can be freely set.
- C4 can be set as AP Mode, supports program management and parameters setting via smartphone, tablet, PC, etc.
- C4 supports GPS precise timing to achieve synchronization of multiple screens.
- C4 comes with brightness sensor, it supports monitoring of working temperature and brightness, and automatic adjustment of screen brightness.
- C4 has 8G build-in storage, 5G available for users; it supports USB storage, Plug&Play.
- C4 has many advantages in applications of advertising screens and exhibition screens.



# C4 Player

## FEATURES

Core Chip	1.6GHz quad-core CPU; 600Mhz quad-core GPU; 1GB DDR3 1080P HD hardware decoding
Loading Capacity	Maximum loading capacity: 650000 pixels; Maximum width: 4096 pixels, maximum height: 1536 pixels
Receiving Card Supported	All Colorlight receiving cards

### INTERFACES

Audio Output	1/8" (3.5mm)TRS
USB Ports	USB2.0*2, support external storage (U disc) or communication equipment
Gigabit Ethernet	Output signal to receiving cards
100M LAN	Access network
WiFi	2.4G/5G dual-band; support AP mode and station mode
4G (Option)	Access internet
GPS (Option)	Precise positioning, precise timing, synchronization of multiple screens

### FILE FORMAT

Program Split	Support flexible program windows split, support flexible windows overlapping, support multiple programs play
Video Formats	Common formats such as AVI, WMV, MPG, RM/RMVB, MOV, DAT, VOB, MP4, FLV and etc.; support multiple videos play at the same time
Audio Formats	MPEG-1 Layer III, AAC etc.
Image Formats	bmp, jpg, png, etc.
Text Formats	txt, rtf, word, ppt, excel etc.
Text Display	Single line text, static text, multiple line text, etc.
Screen Split	4 video windows, multiple picture/text windows, scrolling text, Logo, date/time/week. Flexible screen split can be achieved and different contents display in different area
OSD Supported	Support video/picture/text mixture or overlap with fully transparent, opaque, translucent effects
RTC	Support real time clock

# C4 Player

Size	205.4*107.5*23mm
Working Voltage	DC 12V
Rated Power	10W
Working Temperature	- 25° - +80°C
Weight	0.5kg
Environmental Humidity	0-95% without condensation

## TERMINAL MANAGEMENT & CONTROL

Communication	LAN/WiFi/4G
Program Update	U disc plug-and-play; Management terminal transmission
Management Devices	Smart terminals like PC, Android, iOS and etc.
Automatic Brightness Adjustment	Real-time brightness Timing automatic adjustment; Environmental automatic adjustment
Timing Play	Play according to scheduled programs
Software	LEDVISION 5.0 or higher vision

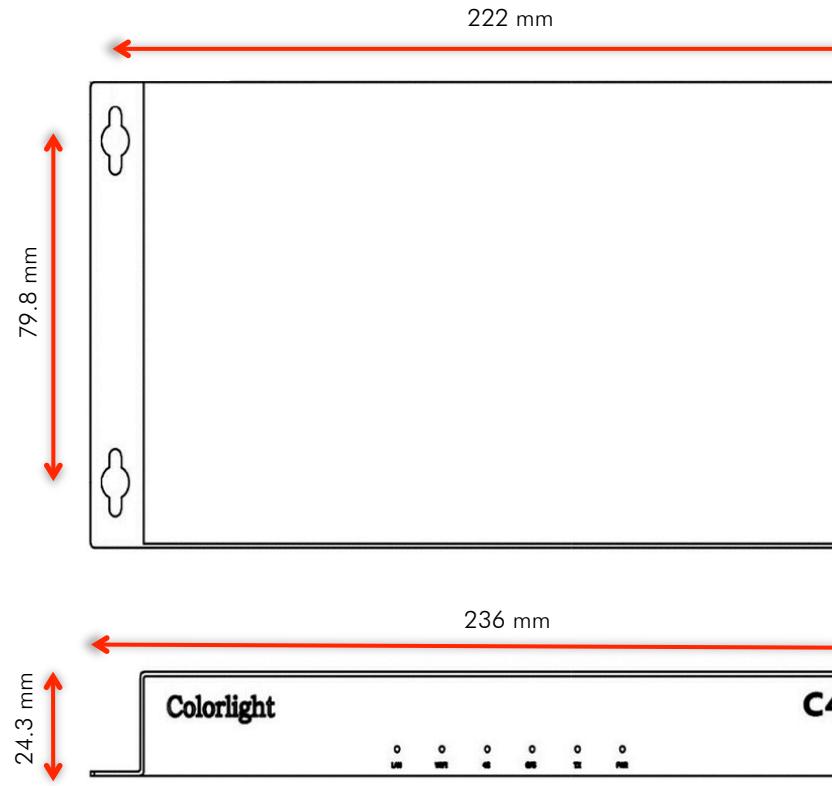
## BACK PANEL



## INTERFACE DESCRIPTION

1	Sensor Interface	Environmental temperature and brightness monitoring; Automatic brightness adjustment
2	Ethernet Output	RJ45, signal output, connecting with receiving cards
3	Audio Output	HIFI stereo output
4	CONFIG Port	Screen parameters setting; Program publishing
5	USB Port	Program updating through U disc
6	LAN Port	Access network
7	Power Port	DC12V
8	WIFI Interface	Connect with WIFI antenna
9	4G Interface	Connect with 4G antenna (optional)
10	GPS Interface	Connect with GPS antenna (optional)
11	Indicator Light	Green light flashes when signal detected; Red light is bright when power is normal

# C4 Player

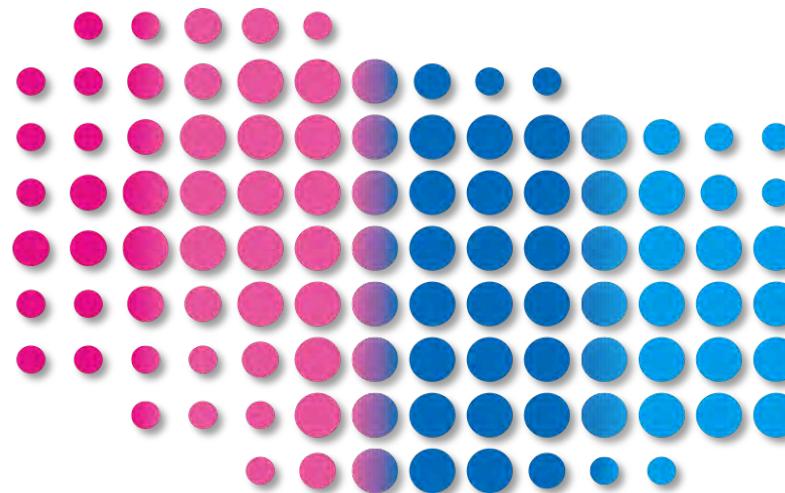


**C4 Player**

**SIZE:** 9.29"x4.27"x0.95" (236x108.7x24.3 mm)

**WEIGHT:** 1.1 lb (0.5 kg)

**ORDER CODE:** UNIPROC4



C7 Player



# C7 Player

- C7 can connect to Internet through LAN/WiFi/4G. Based on Colorlight Cloud Server, C7 can rapidly achieve unified management of multiple screens and multi-services across regions.
- C7 possesses powerful functions including equipment monitoring, program edition, scheduling and cluster publishing, multi-level authorization management, programs are published after review.
- C7 supports maximum 1080P HD video, program edition through LEDVISION, and program formats such as video, image, text, table, weather and clock. C7 supports multiple play windows and windows overlap, size and location can be freely set.
- C7 can be set as AP Mode, supports program management and parameters setting via smartphone, tablet, PC, etc.
- C7 supports GPS precise timing to achieve synchronization of multiple screens.
- C7 comes with brightness sensor, it supports monitoring of working temperature and brightness, and automatic adjustment of screen brightness.
- C7 supports HDMI input and loop output, multiple players can cascade via HDMI to achieve multi-windows stitching.
- C7 has 8G build-in storage, 5G available for users; it supports USB storage, Plug&Play.
- C7 has many advantages in applications of advertising screens and exhibition screens.



# C7 Player

## FEATURES

Core Chip	1.6GHz dual-core CPU; 600Mhz quad-core GPU; 1GB DDR3 1080P HD hardware decoding
Loading Capacity	Maximum loading capacity: 2.3 million pixels; Maximum width: 4096 pixels, maximum height: 2560 pixels
Receiving Card Supported	All Colorlight receiving cards

### INTERFACES

Audio Output	1/8" (3.5mm)TRS
USB Ports	USB2.0*2, support external storage (U disc) or communication equipment
HDMI Output	HDMI loop output
HDMI Input	HDMI signal input
Gigabit Ethernet	Output signal to receiving cards
100M LAN	Access network
WiFi	2.4G/5G dual-band; support AP mode and station mode
4G (Option)	Access Internet
GPS (Option)	Precise positioning, precise timing, synchronization of multiple screens

### FILE FORMAT

Program Split	Support flexible program windows split, support flexible windows overlapping, support multiple programs play
Video Formats	Common formats such as AVI, WMV, MPG, RM/RMVB, MOV, DAT, VOB, MP4, FLV and etc.; support multiple videos play at the same time
Audio Formats	MPEG-1 Layer III, AAC etc.
Image Formats	bmp, jpg, png, etc.
Text Formats	txt, rtf, word, ppt, excel etc.
Text Display	Single line text, static text, multiple line text, etc.
Screen Split	4 video windows, multiple picture/text windows, scrolling text, Logo, date/time/week. Flexible screen split can be achieved and different contents display in different area
OSD Supported	Support video/picture/text mixture or overlap with fully transparent, opaque, translucent effects
RTC	Support real time clock

# C7 Player



Size	1U standard box; 482.6x240.7x44 mm
Working Voltage	AC 100~240V
Rated Power	20W
Working Temperature	- 25° -+80°C
Weight	2 kg
Environmental Humidity	0-95% without condensation

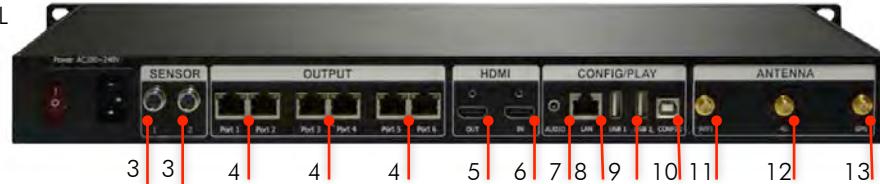
## TERMINAL MANAGEMENT &amp; CONTROL

Communication	LAN/WiFi/4G
Program Update	Update program through USB or network
Management Devices	Smart terminals like PC, Android, iOS and etc.
Automatic Brightness Adjustment	Timing automatic adjustment; Environmental automatic adjustment
Timing Play	Play according to scheduled programs
Software	LEDVISION 5.0 or higher vision

FRONT PANEL



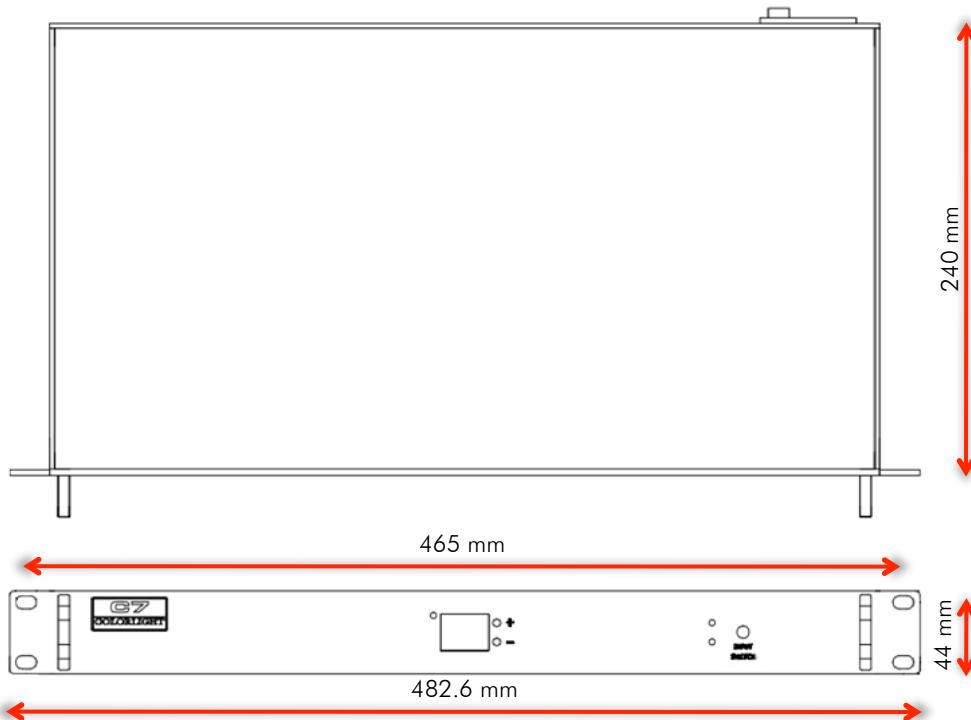
BACK PANEL



## INTERFACE DESCRIPTION

1	Indicator	Green indicator shows Async or Sync display
2	Switch Button	Switch between Async & Sync display
3	Sensor Interface	Environmental temperature and brightness monitoring; Automatic brightness adjustment
4	Ethernet Output	RJ45, signal output, connecting with receiving cards
5	HDMI OUT	HDMI output, for cascading between players
6	HDMI IN	HDMI input, for cascading between players
7	Audio Output	HIFI stereo output
8	LAN Port	Access network
9	USB Port	Program updating through U disc
10	Config Port	Screen parameters setting; Program publishing
11	WIFI Interface	Connect with WIFI antenna
12	4G Interface	Connect with 4G antenna (optional)
13	GPS Interface	Connect with GPS antenna (optional)

# C7 Player

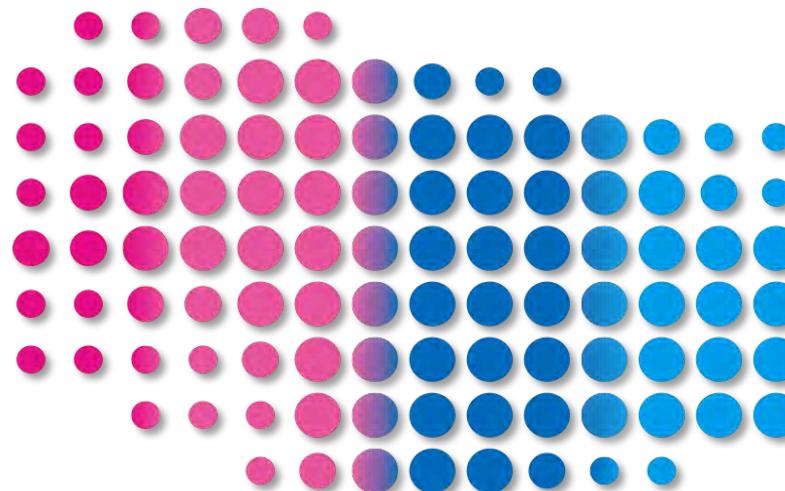


**C7 Player**

**SIZE:** 19"x9.44"x1.73" (482.6x240.7x44 mm)

**WEIGHT:** 4.4 lb (2 kg)

**ORDER CODE:** UNIPROC7



S2 Sender



# S2 Sender

- DVI signal input port
- Audio input port with synchronous transmission via Ethernet cable
- Maximum input resolution: 1920\*1200 pixels
- Loading capacity: 1.31 million pixels Maximum Width: 2560 pixels, Maximum Height: 2560 pixels
- 2 Gigabit Ethernet port outputs support screen arbitrary splicing
- Dual USB ports for high speed configuration and easy cascading
- Improved grayscale performance at low brightness
- Wide working voltage with AC 100 ~ 240V
- Compatible with all series of Colorlight receiving cards



# S2 Sender

## FEATURES

### VIDEO SOURCE INTERFACES

Interface Type	DVI
Receiving Resolution	1920*1200 pixels
Frame Rate	Standard 60Hz, and auto adjustment

### GIGABIT ETHERNET OUTPUTS

Quantity	2 ports
Net Port Control Area	Each net port is 1280*512 pixels (or equivalent area). 2 net ports are 1280*1024 pixels (or equivalent area) Single card max width up to 2560 pixels, and 2560 pixels in height
Transmission Distance	CAT5≤140M; CAT6≤170M; Optical fiber: No limitation
Net Port Cascading	Up-down or left-right cascading defined by user
Transmission Mode	Frame mode (Gigabit Ethernet) with CRC

### CONNECTING DEVICE

Receiving Card	Compatible with all series of Colorlight receiving card
Peripherals	Multifunction cards, optical fiber transceiver, gigabit switcher

### EXTERNAL INTERFACE

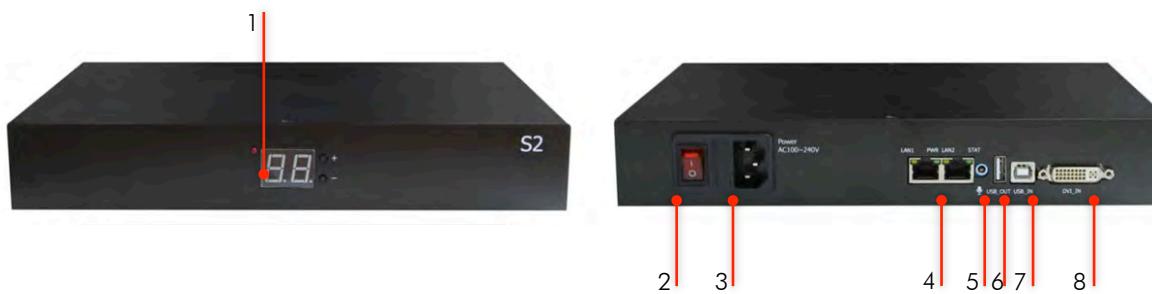
Configuration Port	USB
Real-time Configuration	Support
Brightness and Chromaticity Adjustment	Support
Smart Detection System	DVI interface detection
Real-time Clock	Includes real-time clock

# S2 Sender

Size	275*198*44 mm
Input Voltage	AC 100~240V
Rated Power Consumption	15W
Weight	2.1kg

## MORE FUNCTIONS

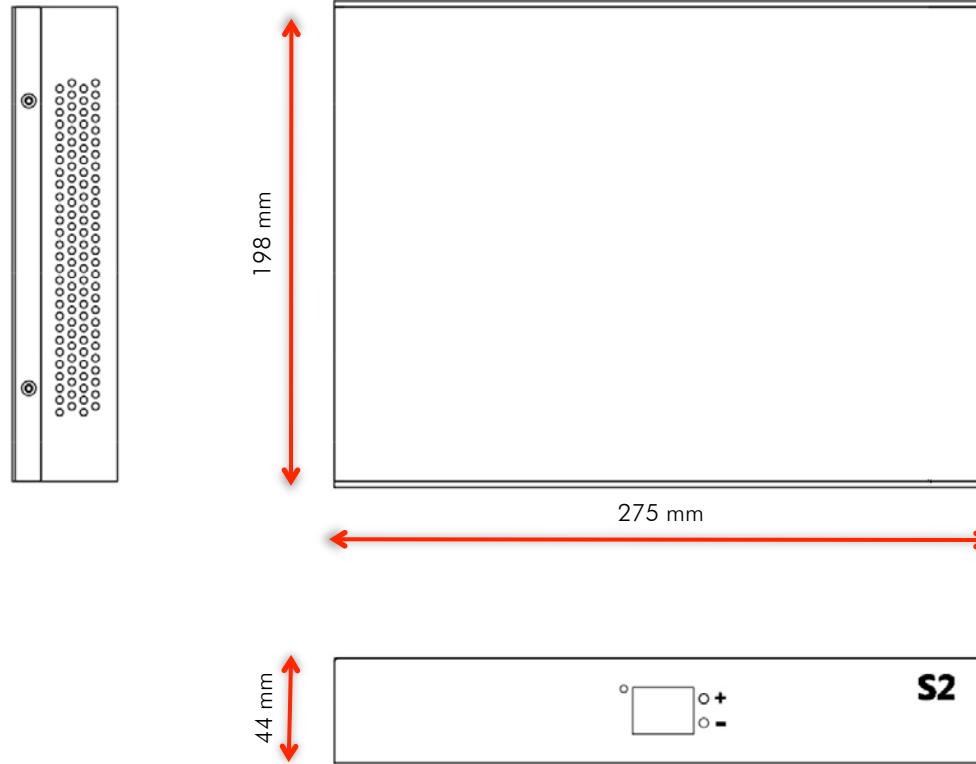
Multi-Screen Control	Multiple screens with different sizes can be controlled simultaneously
Background Playing	Support background playing (Extended mode)
Audio Transmission	Support
BER Detection	Ethernet cable quality and malfunction detection



## INTERFACE DESCRIPTION

1	Indicator panel and Configuration button	Adjust the brightness of the entire screen ( 16 levels ); Display the whole screen test mode conversion	Press "+"and "-" together to switch between brightness adjustment and testing mode.
2	Power Switch	on/off	
3	Power Socket	AC 100~240V	
4	Output Ports	RJ45, to transmit network signals	The control area of the two outputs can be separately set
5	Audio Input	Input audio signal via Ethernet cable	
6	USB TYPE-A	USB output, cascading among multiple sending cards	4 Gigabit Ethernet outputs support screen arbitrary splicing
7	USB TYPE-B	USB input, connecting PC for configuring parameters	
8	DVI Input	DVI output interface, connect to the graphics card	

# S2 Sender



## S2 Sender

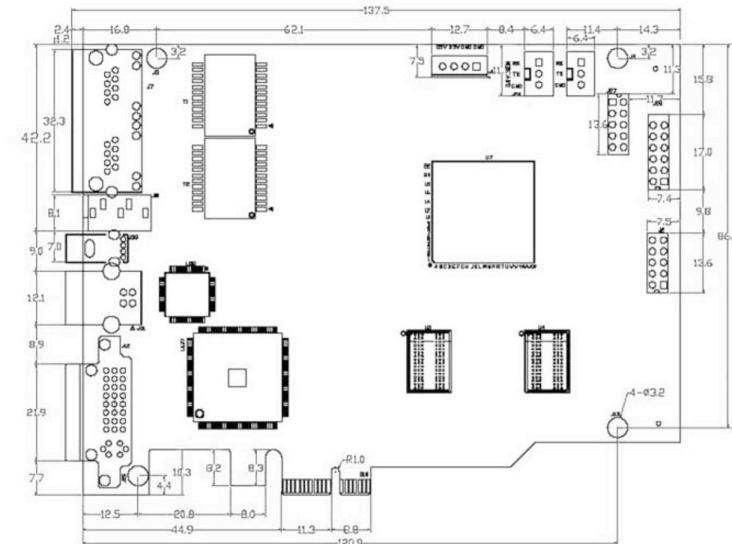
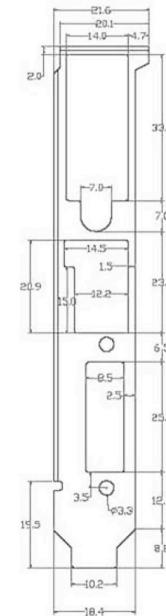
**SIZE:** 7.79"x10.82"x1.73" (198x275x44 mm)

**WEIGHT:** 4.6 lb (2.1 kg)

**ORDER CODE:** UNIPROS2

# S2 Sending Card

- DVI signal input port
- Audio input port with synchronous transmission via Ethernet cable
- Maximum input resolution: 1920\*1200 pixels
- Loading capacity: 1.31 million pixels Maximum Width: 2560 pixels, Maximum Height: 2560 pixels
- 2 Gigabit Ethernet port outputs support screen arbitrary splicing
- Dual USB ports for high speed configuration and easy cascading
- Improved grayscale performance at low brightness
- Equipped with 1X PCI-E interface for increased versatility
- Wide working voltage with DC 3.8~12V
- Compatible with all series of Colorlight receiving cards



## S2 Sending card

**SIZE:** 4.13"x5.51"x1.73" (105x140 mm)

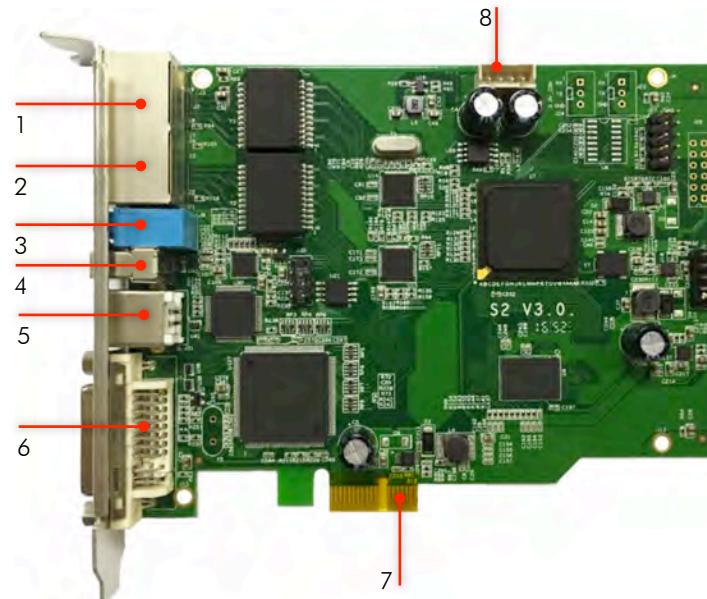
**WEIGHT:** 0.22 lb (0.1 kg)

**ORDER CODE:** UNIPROS2C

# S2 Sending Card

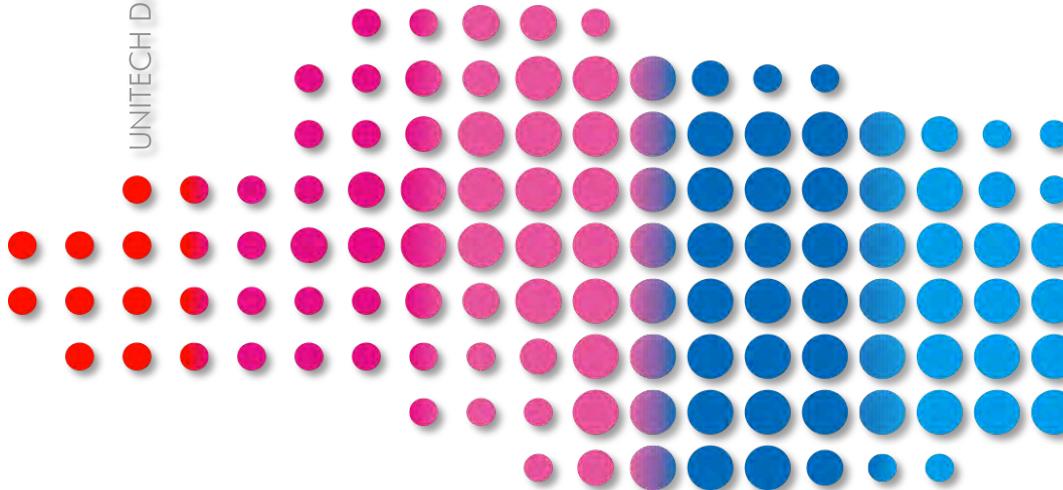
## FEATURES

Size	140*105 mm
Input Voltage	DC 3.8V – 12V
Rated Power Consumption	6W
Weight	0.1kg



## INTERFACE DESCRIPTION

1	Output Port A	RJ45, to transmit network signals	The control area of the two outputs can be separately set
2	Output Port b	RJ45, to transmit network signals	
3	Audio Input	Input audio signal and transmit to the screen through Ethernet cable	Multifunction card
4	USB TYPE A	USB output, cascading among multiple sending cards	The control area of the two outputs can be separately set
5	USB TYPE B	USB input, connecting PC for configuring parameters	
6	DVI Input	DVI output interface, connect to the graphics card	4 Gigabit Ethernet outputs support screen arbitrary splicing
7	PCI-E-1X	Match with computer 1X PCI-E slot for sending card power on	
8	Power Input	Connect to DC3.8V-12V	



S4 Sender



# S4 Sender

- HDMI and DVI signal input ports with HDMI signal loop output port
- Maximum input resolution: 1920\*1200 pixels
- Maximum loading capacity: 2.30 million pixels Maximum Width: 4096pixels, Maximum Height: 2560 pixels
- 4 Gigabit Ethernet outputs support screen arbitrary splicing
- Dual USB2.0 for high speed configuration and easy cascading
- Support brightness and chromaticity adjustment
- Improved grayscale performance at low brightness
- Support HDCP
- Compatible with all series of Colorlight receiving card



# S4 Sender

## FEATURES

### VIDEO SOURCE INTERFACES

Interface Type	1*DVI+1*HDMI+1*HDMI_LOOP
Input Resolution	1920*1200 pixels maximum
Video Source Frame Rate	60Hz, support auto-adjustment
Receive Area	Can be set freely

### OUTPUT

Net Port Number	4 gigabit Ethernet ports
Control Area	2.3million pixels maximum Maximum Width: 4096pixels, Maximum Height: 2560 pixels
Transmission Distance	CAT5≤140M;CAT6≤170M;Optical fiber: No limitation
Cascading	Up-down or left-right cascading defined by user
Transmission Mode	Frame mode (Gigabit Ethernet) with CRC

### CONNECTION EQUIPMENT

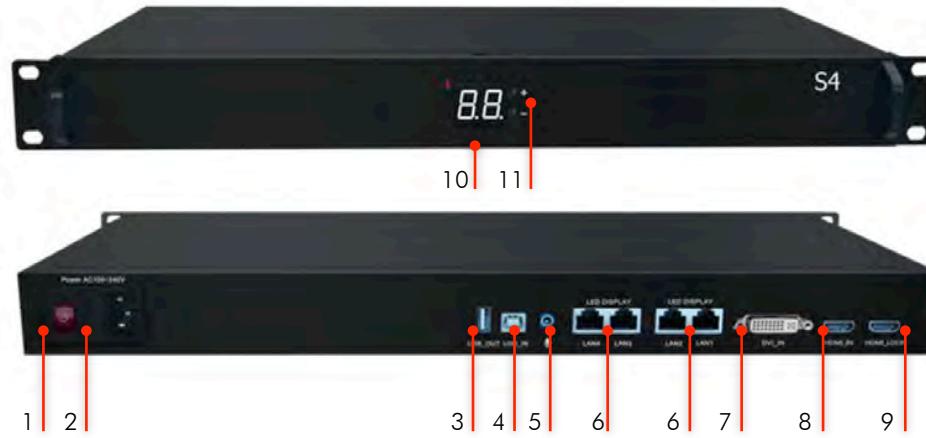
Receiving Card	Compatible with all series of Colorlight receiving card
Peripherals	Multifunction card, optical fiber transceivers, gigabit switcher

### EXTERNAL INTERFACES

Configuration Port	USB 2.0*1
DVI Information	Present info about frame rate, blanking value, clock, display status of video card and video processor
Brightness Adjustment	Adjustment by knob, auto saved in sending card, what you see is what you get
Real Time Configuration	Gamma, control area, parameters setting, what you see is what you get
Brightness and Chromaticity Adjustment	Support
Smart Detection System	DVI interface detection, temperature detection

# S4 Sender

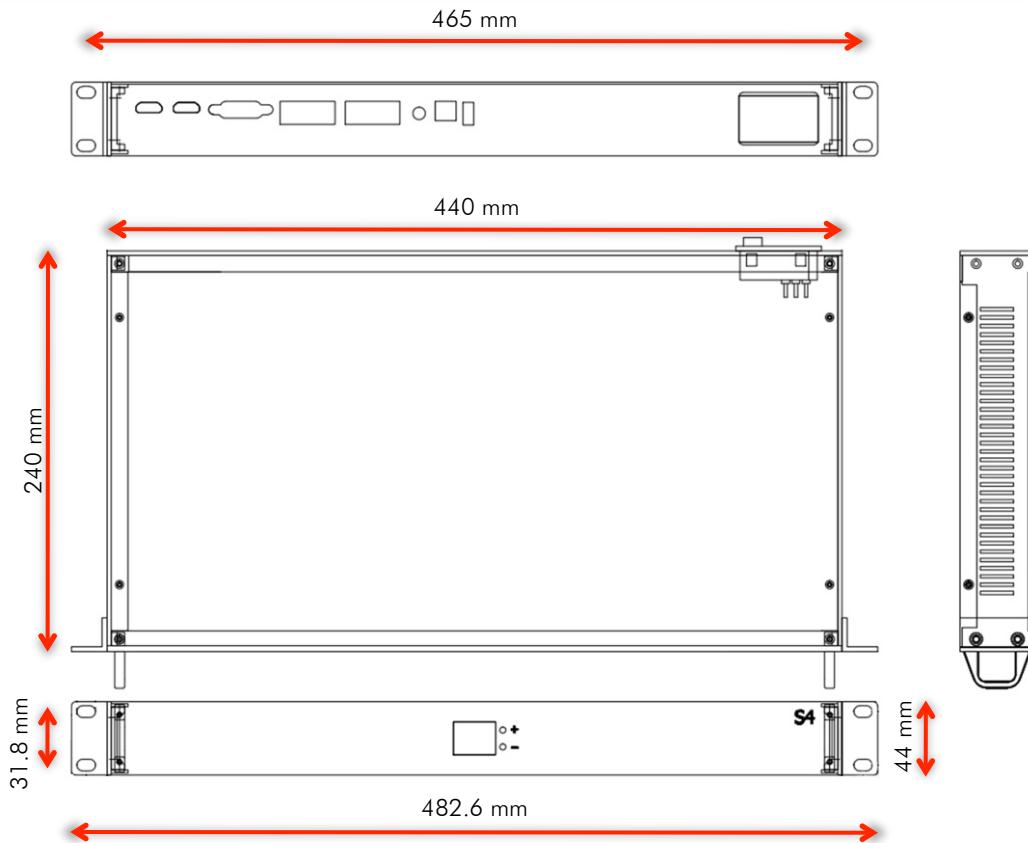
Size	1U standard box
Input Voltage	AC 100~240V
Rated Power Consumption	20W
Weight	2kg
MORE FUNCTIONS	
Cascading	Via USB ports. Support synchronous parameter setting and read back
Multiple Screen Control	Multiple screens with different sizes can be controlled simultaneously
Background Playing	Support background playing (Extended mode)
BER Detection	Ethernet cable quality and malfunction detection



## INTERFACE DESCRIPTION

1	Power Switch	on/off	
2	Power Socket	AC power input	
3	USB OUT	USB output, sender cascading supported	
4	USB IN	USB input, connect with computer for configuration	
5	Audio Input	Input audio signal and transmit to the multifunction card	
6	Output Port	RJ45, 4 outputs, connect to receiving cards 4 Gigabit Ethernet outputs support screen arbitrary splicing	
7	DVI IN	DVI signal input	
8	HDMI IN	HDMI signal input	
9	HDMI LOOP	HDMI loop output, for connecting or monitoring other senders	
10	Indicator Panel	To show brightness value	
11	Brightness adjustment and test mode button	Adjust the brightness of the entire screen ( 16 levels ); Display the whole screen test mode conversion Press "+"and "-"together to switch between brightness adjustment and testing mode.	

# S4 Sender

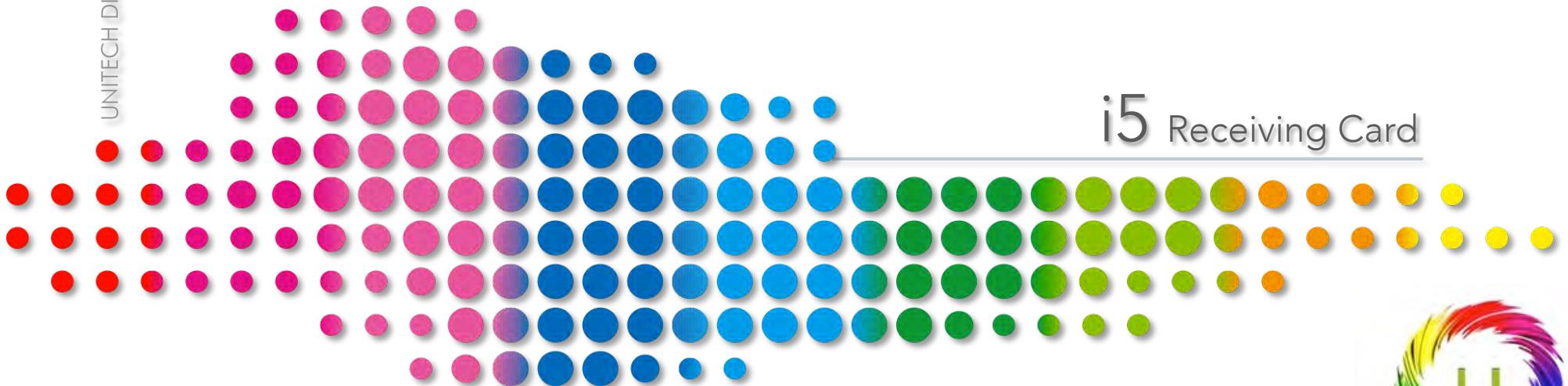


## S4 Sender

**SIZE:** 19"x9.44"x1.73" (482.6x240.7x44 mm)

**WEIGHT:** 4.4 lb (2 kg)

**ORDER CODE:** UNIPROS4



i5 Receiving Card



# i5 Receiving Card

- Tiny size: 68\*36mm, DDR2 SODIMM interface, easy for maintenance
- Support 32 groups of RGB signal output
- Loading capacity: 256\*256 pixels
- High-precision point-by-point calibration in the brightness and chromaticity
- Support any scan mode from static to 1/32 scan
- Support wide working voltage of DC 3.3V-6V



## FEATURES

### CONTROL SYSTEM PARAMETERS

Capacity	Full-color: 256*256 Pixels
Cascade Control Area of the Largest Region	65536*65536 Pixels
Network Port Exchange	Supported, arbitrary use
Gray Level	Maximum 65536 Levels

### DISPLAY MODULE COMPATIBILITY

Chip Supports	Supports conventional chips, PWM chips and other mainstream chips.
Scan Mode	Two scanning methods to support refresh rate multiplier
Scan Type	Supports static sweep to 1/32 scan
Module Specifications Support	Supports 4096 pixels within any row, any column
Cable Direction	Supports route from left to right, from right to left, from top to bottom, from bottom to top.
Data Sets	32 RGB data sets
Data Folded	Supports 1~8 any discount to improve refresh rate.
Data Exchange	32 sets of data any exchange
Module Snapshot	Supports any pumping point

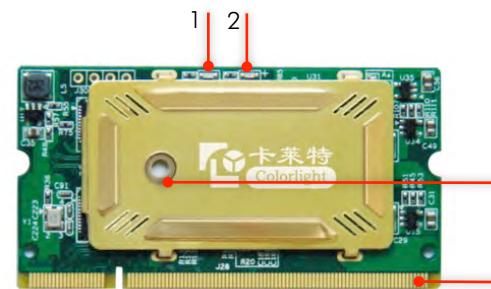
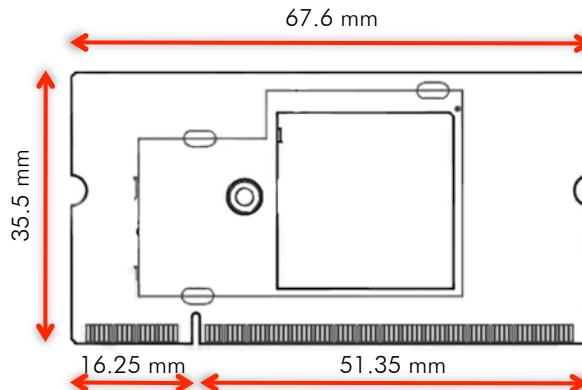
# i5 Receiving Card

## COMPATIBLE DEVICE AND INTERFACE TYPE

Communication Distance	UTP cable≤140M CAT6 cable≤170M OPTIC FIBER transmission distance unrestricted
Compatible with Transmission Equipment	Gigabit switch, fiber transceiver, optical switches.
Size	67.6*35.5mm
Input Voltage	DC 3.3V~6V
Rated Current	0.5A
Rated Power	2.5W
Operating Temperature	-25°C - 75°C
Weight	0.95 Kg

## PIXEL LEVEL CALIBRATION

Brightness Calibration	Supported
Chromaticity Calibration	Supported



## i5 Receiving Card

**SIZE:** 2.66"x1.39" (67.6x35.5mm)

**WEIGHT:** 2.09 lb (0.95 kg)

**ORDER CODE:** UNIPROI5

## INTERFACE DESCRIPTION

1	Signals indicator light	The indicator light flashes rapidly (about 5-10times/second) to show that the data signal transmission is normal.
2	Power indicator light	Red indicator light shows that the power supply is normal
3	Fixed hole	Used to reinforce the receiving card to improve vibration resistance
4	DDR interface	Connects with display's HUB board or unit plate  From the diagram above, the left side of the guide plate is first pin (Viewing from the front of card)

# i5 Receiving Card

## DEFINITION OF PINS

Instructions	Definition	Pin NO.	Definition	Instructions
Do not connect	NC	159	160	NC
	NC	161	162	NC
	NC	163	164	NC
	NC	165	166	NC
	NC	167	168	NC
	NC	169	170	NC
	NC	171	172	NC
	NC	173	174	NC
	NC	175	176	NC
	NC	177	178	NC
	NC	179	180	NC
	NC	181	182	NC
	NC	183	184	NC
	NC	185	186	NC
	NC	187	188	RCV_BK1
	NC	189	190	RCV_BK2
	NC	191	192	NC
	NC	193	194	NC
	NC	195	196	NC
	NC	197	198	NC
Ground Connection	GND	199	200	GND
Do not connect	NC	45	46	C
Blanking	NC	47	48	D
The first CLK	LED_CTRL	49	50	E
Do not connect	LED_SCLK	51	52	LED_LAT
Ground Connection	NC	53	54	LED_OE
RGB output	GND	55	56	GND
	LED_R1	57	58	LED_R2
	LED_G1	59	60	LED_G2
	LED_B1	61	62	LED_B2
	LED_R3	63	64	LED_R4
	LED_G3	65	66	LED_G4
	LED_B3	67	68	LED_B4
	LED_R5	69	70	LED_R6
	LED_G5	71	72	LED_G6
	LED_B5	73	74	LED_B6
	LED_R7	75	76	LED_B8

Do not connect

Ground Connection

RGB output

Instructions	Definition	Pin NO.	Definition	Instructions
Ground Connection	LED_G7	77	78	LED_G8
	LED_B7	79	80	LED_B8
	LED_R9	81	82	LED_R10
	LED_G9	83	84	LED_G10
	LED_B9	85	86	LED_B10
	LED_R11	87	88	LED_R12
	LED_G11	89	90	LED_G12
	LED_B11	91	92	LED_B12
	LED_R13	93	94	LED_R14
	LED_G13	95	96	LED_G14
	LED_B13	97	98	LED_B14
	LED_R15	99	100	LED_R16
	LED_G15	101	102	LED_G16
	LED_B15	103	104	LED_B16
	GND	105	106	GND
	GND	107	108	GND
	LED_R17	109	110	LED_R18
	LED_G17	111	112	LED_G18
RGB output	LED_B17	113	114	LED_B18
	LED_R19	115	116	LED_R20
	LED_G19	117	118	LED_G20
	LED_B19	119	120	LED_B20
	LED_R21	121	122	LED_R22
	LED_G21	123	124	LED_G22
	LED_B21	125	126	LED_B22
	LED_R23	127	128	LED_R24
	LED_G23	129	130	LED_G24
	LED_B23	131	132	LED_B24
	LED_R25	133	134	LED_R26
	LED_G25	135	136	LED_G26
	LED_B25	137	138	LED_B26
	LED_R27	139	140	LED_R28
	LED_G27	141	142	LED_G28
	LED_B27	143	144	LED_B28
	LED_R29	145	146	LED_R30
	LED_G29	147	148	LED_G30
	LED_B29	149	150	LED_B30
	LED_R31	151	152	LED_R32
	LED_G31	153	154	LED_G32
	LED_B31	155	156	LED_B32
Ground Connection	GND	157	158	GND

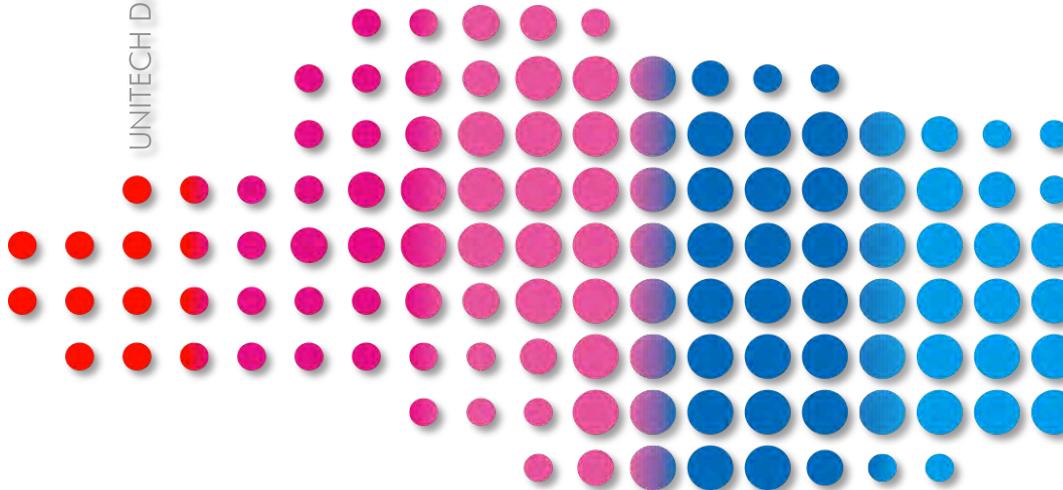
RGB output

Ground Connection

# i5 Receiving Card

## DEFINITION OF PINS

Instructions	Definition	Pin NO.	Definition	Instructions
Do not connect	NC	159	160	NC
	NC	161	162	NC
	NC	163	164	NC
	NC	165	166	NC
	NC	167	168	NC
	NC	169	170	NC
	NC	171	172	NC
	NC	173	174	NC
	NC	175	176	NC
	NC	177	178	NC
	NC	179	180	NC
	NC	181	182	NC
	NC	183	184	NC
	NC	185	186	NC
	NC	187	188	RCV_BK1
	NC	189	190	RCV_BK2
	NC	191	192	NC
	NC	193	194	NC
Ground Connection	GND	195	196	NC
	GND	197	198	NC
Ground Connection	GND	199	200	GND
				Ground Connection



## i6 Receiving Card



# i6 Receiving Card

- Tiny size: 68\*36mm, DDR2 SODIMM interface, easy for maintenance
- Support 32 groups of RGB signal output
- Loading capacity: 256\*256 pixels
- Low latency
- Supports Auto-Calibration
- Seam compensation
- Support 3D display
- Improved grayscale performance at low brightness
- Smart panel marking good for maintenance
- Auto-recognizes sequence of connected receiver cards
- High-precision point-by-point calibration in the brightness and the chromaticity
- Supports smart module to save calibration coefficients and other information on module
- Temperature, humidity, power supply voltage monitoring on cabinet and fan rotating control
- Cable Detection
- Supports receiver card backup and power supply backup
- Various freeform display designs like spherical display, creative display, etc.



# i6 Receiving Card

## FEATURES

### CONTROL SYSTEM PARAMETERS

Sending device	All of Colorlight's sending devices
Capacity	Full-color: 256*256 Pixels
Cascade Control Area of the Largest Region	65536*65536 Pixels
Network Port Exchange	Supported, arbitrary use
Gray Level	Maximum 65536 Levels

### DISPLAY MODULE COMPATIBILITY

Chip Supports	Supports conventional chips, PWM chips, lighting chips and other mainstream chips.
Scan Mode	Two scanning methods to support refresh rate multiplier
Scan Type	Supports static sweep to 1/32 scan
Module Specifications Support	Supports 4096 pixels within any row, any column
Cable Direction	Supports route from left to right, from right to left, from top to bottom, from bottom to top.
Data Sets	32 RGB data sets
Data Folded	Supports 1~8 any discount to improve refresh rate.
Data Exchange	32 sets of data any exchange
Module Snapshot	Supports any pumping point

### COMPATIBLE DEVICE AND INTERFACE TYPE

Communication Distance	UTP cable≤140M; CAT6 cable≤170M; OPTIC FIBER transmission distance unrestricted
Compatible with Transmission Equipment	Gigabit switch, fiber transceiver, optical switches.
Size	67.6*35.5mm
Input Voltage	DC 3.3V~6V
Rated Current	0.5A
Rated Power	2.5W
Storage and Transport Temperature	-50°C~125°C
Operating Temperature	32 sets of data any exchange
Body Static Resistance	Supports any pumping point
Weight	0.95 Kg

# i6 Receiving Card

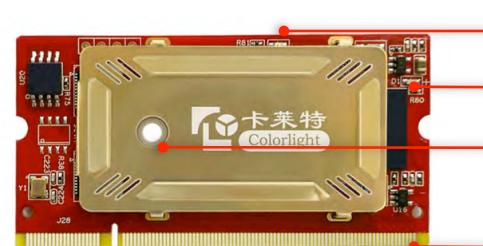
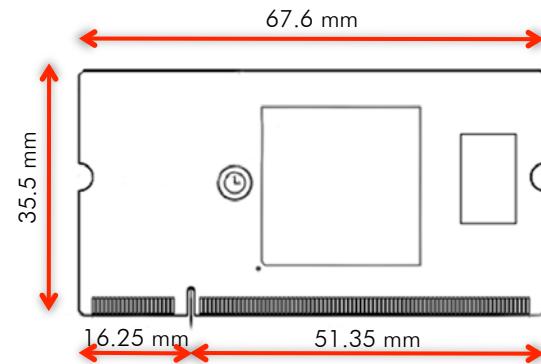
## MONITORING FUNCTION (IN CONJUNCTION WITH MULTI-FUNCTION CARD)

Temperature Monitoring	Cabinet temperature monitoring between -25°C ~ 75°C 1 port for each card
Humidity Monitoring	One port to monitor receiver card humidity range with 20% ~ 95% 1 port for each card
Bit Error Monitoring	Monitoring the total number of data packets and error rate to check network quality
Supply Voltage Monitoring	5 ports for supply voltage monitoring
Full Color LCD Display Panel	Supports full color LCD display panel

## PIXEL LEVEL CALIBRATION

Brightness Calibration	Supported
Chromaticity Calibration	Supported

Hot Backup	Supports loop backup, double sender backup
Shaped Screen	Supports various freeform display, spherical display, creative display, etc. through the data arbitrary offset
Program Backup	Proprietary redundant firmware backup on card no matter how to use, upgrade, send parameters, continuous functionality



## i6 Receiving Card

**SIZE:** 2.66"x1.39" (67.6x35.5mm)

**WEIGHT:** 2.09 lb (0.95 kg)

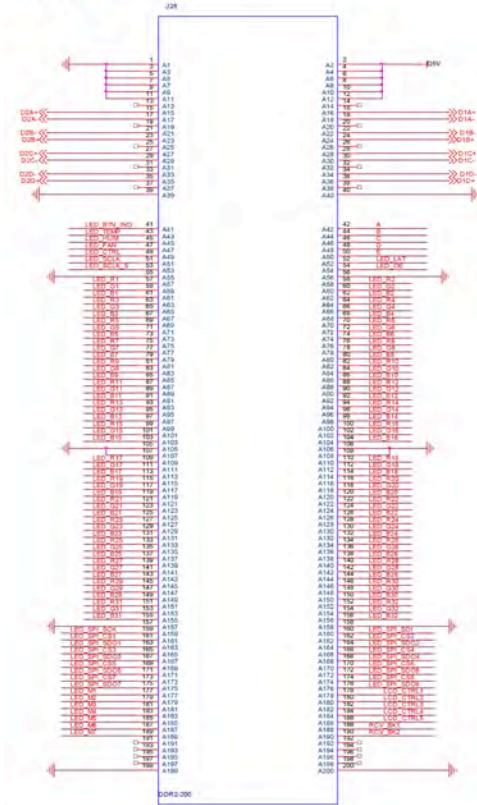
**ORDER CODE:** UNIPROI6

## INTERFACE DESCRIPTION

1	Signals indicator light	The indicator light flashes rapidly (about 5-10times/second) to show that the data signal transmission is normal.
2	Power indicator light	Red indicator light shows that the power supply is normal
3	Fixed hole	Used to reinforce the receiving card to improve vibration resistance
4	DDR interface	Connects with display's HUB board or unit plate From the diagram above, the left side of the guide plate is first pin (Viewing from the front of card)

# i6 Receiving Card

## DEFINITION OF PINS



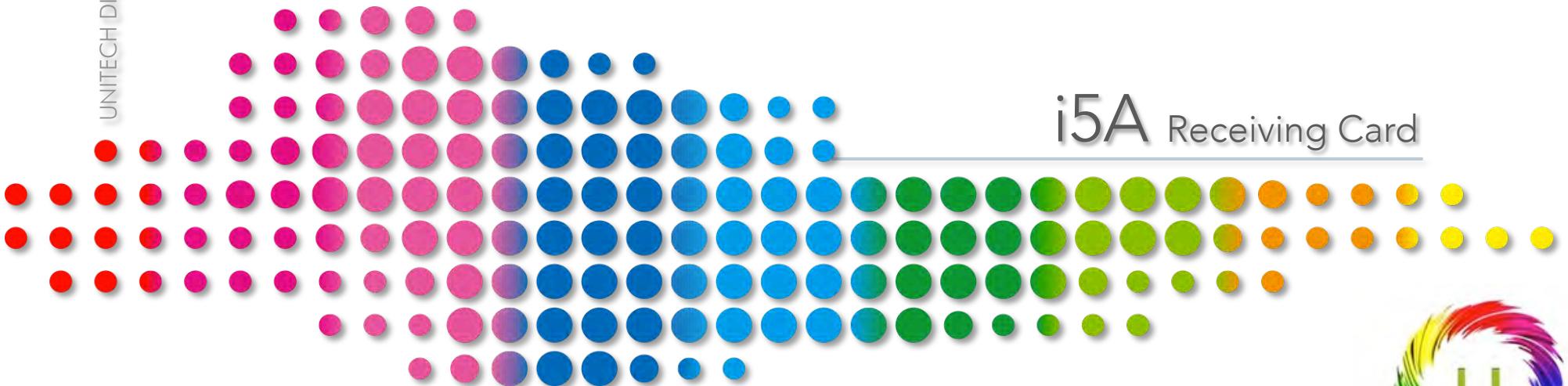
Instructions	Definition	Pin No.	Definition	Instructions
Ground connection	GND	1	2	DSV
	GND	3	4	DSV
	GND	5	6	DSV
	GND	7	8	DSV
	GND	9	10	DSV
	GND	11	12	DSV
Do not connect	NC	13	14	NC
Network port 1 signal pin Recommended use isolation transformer	eth1_p1	15	16	eth2_p1
	eth1_n1	17	18	eth2_n1
	NC	19	20	NC
	eth1_n2	21	22	eth2_n2
	eth1_p2	23	24	eth2_p2
	NC	25	26	NC
	eth1_p3	27	28	eth2_p3
	eth1_n3	29	30	eth2_n3
	NC	31	32	NC
	eth1_n4	33	34	eth2_n4
Do not connect	NC	37	38	NC
Ground connection	GND	39	40	GND
Indicator light	LED_BTN_LED	41	42	A
Temperature monitoring	LED_TEMP	43	44	B
Humidity monitoring	LED_HUM	45	46	C
Fan control	LED_FAN	47	48	D
Blanking	LED_CTRL	49	50	E
The first CLK	LED_SCLK	51	52	(LED_LAT) Display control: 1. ABCDE for row decoding signal; 2. LED_LAT for signal lock
The second CLK	LED_SCLK_S	53	54	3. LED_OE control LED display enable, like a switch, it is GCLK when the led display use PWM chip;
	GND	55	56	
RGB output of part A: A total of 8 groups of RGB, corresponding with LED_SCLK	LED_R1	57	58	LED_R2
	LED_G1	59	60	LED_G2
	LED_B1	61	62	LED_B2
	LED_R3	63	64	LED_R4
	LED_G3	65	66	LED_G4
	LED_B3	67	68	LED_B4
	LED_R5	69	70	LED_R6
	LED_G5	71	72	LED_G6
	LED_B5	73	74	LED_B6
	LED_R7	75	76	LED_R8
RGB output of part B: A total of 8 groups of RGB, corresponding with LED_SCLK_S				

# i6 Receiving Card

## DEFINITION OF PINS

Instructions	Definition	Pin No.	Definition	Instructions
	LED_G7	77	78	LED_G8
	LED_B7	79	80	LED_B8
	LED_R9	81	82	LED_R10
	LED_G9	83	84	LED_G10
	LED_B9	85	86	LED_B10
	LED_R11	87	88	LED_R12
	LED_G11	89	90	LED_G12
	LED_B11	91	92	LED_B12
	LED_R13	93	94	LED_R14
	LED_G13	95	96	LED_G14
	LED_B13	97	98	LED_B14
	LED_R15	99	100	LED_R16
	LED_G15	101	102	LED_G16
	LED_B15	103	104	LED_B16
Ground connection	GND	105	106	GND
	GND	107	108	GND
	LED_R17	109	110	LED_R18
	LED_G17	111	112	LED_G18
	LED_B17	113	114	LED_B18
	LED_R19	115	116	LED_R20
	LED_G19	117	118	LED_G20
	LED_B19	119	120	LED_B20
	LED_R21	121	122	LED_R22
	LED_G21	123	124	LED_G22
	LED_B21	125	126	LED_B22
RGB output of part C : A total of 8 groups of RGB, corresponding with LED_SCLK	LED_R23	127	128	LED_R24
	LED_G23	129	130	LED_G24
It can become part A's check back and circuit signal detection of return	LED_B23	131	132	LED_B24
	LED_R25	133	134	LED_R26
	LED_G25	135	136	LED_G26
	LED_B25	137	138	LED_B26
	LED_R27	139	140	LED_R28
	LED_G27	141	142	LED_G28
	LED_B27	143	144	LED_B28
	LED_R29	145	146	LED_R30
	LED_G29	147	148	LED_G30
	LED_B29	149	150	LED_B30
	LED_R31	151	152	LED_R32
	LED_G31	153	154	LED_G32
	LED_B31	155	156	LED_B32
Ground connection	GND	157	158	GND
Save correction	LED_SPI_SCK	159	160	LED_SPI_SD0 Save correction coefficients

Instructions	Definition	Pin No.	Definition	Instructions
coefficients in module	LED_SPI_CS1	161	162	LED_SPI_CS2 in module
	LED_SPI_SD01	163	164	LED_SPI_SD02
	LED_SPI_CS3	165	166	LED_SPI_CS4
	LED_SPI_SD03	167	168	LED_SPI_SD04
	LED_SPI_CS5	169	170	LED_SPI_CS6
	LED_SPI_SD05	171	172	LED_SPI_SD06
	LED_SPI_CS7	173	174	LED_SPI_CS8
	LED_SPI_SD07	175	176	LED_SPI_SD08
Extended functional interface for customized features	LED_M1	177	178	LCD_CTRL1
	LED_M2	179	180	LCD_CTRL2
	LED_M3	181	182	LCD_CTRL3
	LED_M4	183	184	LCD_CTRL4
	LED_M5	185	186	LCD_CTRL5
	LED_M6	187	188	RCV_BK1 Vacant signal for double backup receiving card
	LED_M7	189	190	RCV_BK2
Do not connect	NC	191	192	NC
	NC	193	194	NC
	NC	195	196	NC
	NC	197	198	NC
Ground connection	GND	199	200	GND
				Ground connection



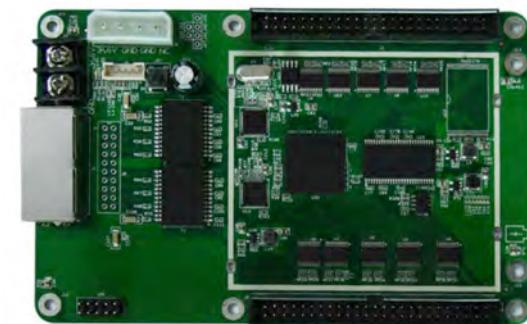
i5A Receiving Card



# i5A Receiving Card

i5A adopts a new generation of image processing core, which greatly improves the display effect. Support higher level of color input and gray level output, which creates more delicate images; Great improvement has been done onto low gray scale aspect, which enhances its display effect; higher refresh rate and more stable display images are supported based on high-quality display effect. In addition to inherit all the advantages and features 5A had, i5A adopts a new generation of system architecture, and possesses more intelligent function and more stable system. i5A receiving card supports a range of more intelligent and high-end functions like program arbitrary switching, external connect to LCD display module, etc., which lead LED control system to a brand new level.

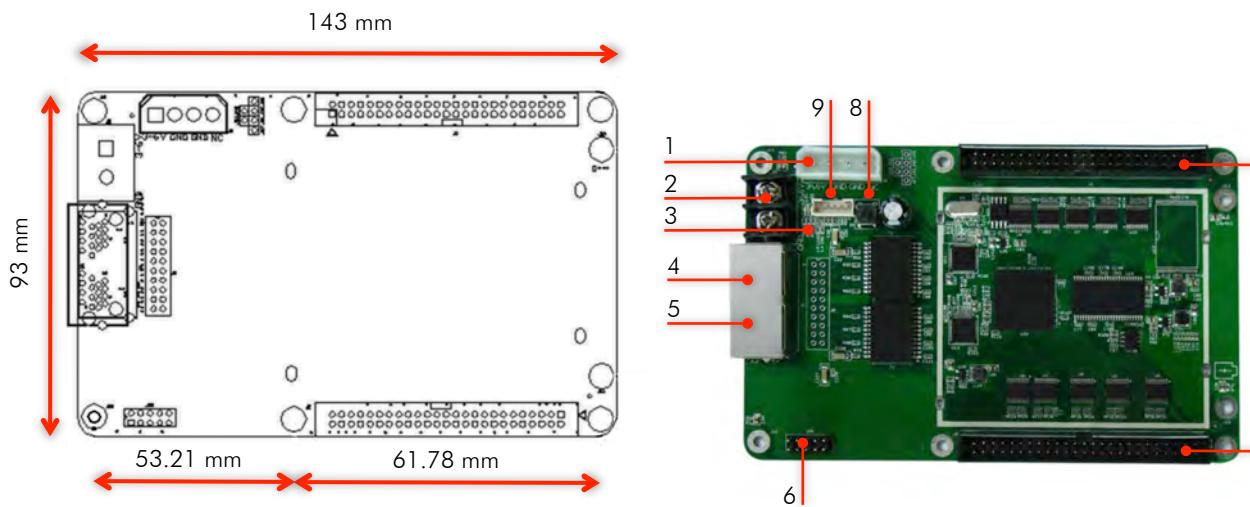
- More perfect display effect by adopting new processing core.
- High refresh rate, high gray scale and high brightness with conventional chips.
- Perfect performance under lower grayscale status.
- Better detail processing: Partial dark at row, reddish at low gray, shadow problems can be solved.
- Support the effective display at first grayscale value.
- Support 14 bits high-precision point-by-point calibration in the brightness and the chromaticity.
- Support conventional chips, PWM chips and lighting chips, etc.
- Support any scan mode from static to 1/32 scan
- Support any pumping point and data arbitrary offset and realize various freeform display, spherical display, diamond display, creative display, etc
- Support signal output for 16 groups of RGBR' and 20 groups of RGB, 32 groups as extended.
- Large load capacity
- Wide working voltage range with DC 3.3 -6V.
- Support dual receiving card backup, loop backup, and dual-machine backup, etc.
- Compatible with Z series Sender, S series Sender, C series Sender, etc.



# i5A Receiving Card

## FEATURES

Size	143*93mm
Input Voltage	DC 3.3V~6V
Rated Current	0.6A
Rated Power	3W
Storage and transport temperature	-50°C - 125°C
Operating Temperature	-25°C - 75°C
Weight	0.1 Kg
Body static resistance	2KV



## INTERFACE DESCRIPTION

1	Power 1	Connect DC 3.3~6V power supply for the receiving card	Only one is used.
2	Power 2	Connect DC 3.3~6V power supply for the receiving card	
3	Indicator Light	Indicate power and signal transmission status red for power, green for signal	
4	Network port A	RJ45, For transmitting data signals	The dual network ports can achieve import/export at random, which can be identified in an intelligent way by the system.
5	Network port B	RJ45, For transmitting data signals	
6	LCD interface	Connect to the LCD display	
7	Dual 50P pins	Connected to all display HUB boards	
8	Test button	The attached test procedures can achieve four kinds of monochrome display (red, green, blue and white), as well as horizontal, vertical and other display scan modes.	
9	External interfaces	For Indicator light and test button	

# i5A Receiving Card

## CONTROL SYSTEM

Sending device	C Series Sender, Z Series Sender, S Series Sender, etc.
Control area of every card	Full-color: 256*256 Pixels, for special applications the column can be extended to 1024 pixels
Cascade control area of the largest regional	65536*65536 pixels
Cascade card number	65536 PCS
Network port exchange	Support arbitrary use
Synchronization	Nanosecond synchronization between the card and the card

## DISPLAY QUALITY

Refresh rate for conventional chip	Static: 64*64, up to 16000Hz 1/8 scan: 128*128, up to 10000Hz
Serial frequency	0.2MHz-41.7MHz
Gray Level	Maximum 65536 levels
Minimum unit of OE values	8ns, 8ns multiples steps
Gray scale compensation	Each level grayscale compensate separately

## DISPLAY MODULE COMPATIBILITY

Chip supports	Support conventional chips, PWM chips, lighting chips and other mainstream chips.
PWM chip supports	Support hundreds of different specifications of the PWM chip, such as MBI, MY, SUM, etc.
Scan mode	Conventional mode and high refresh rate mode to support refresh rate multiplied
Scan type	Support static sweep to 1/32 scan
module specifications Support	Support 4096 pixels within any row, any column
The direction of the cable	Support route from left to right, from right to left, from top to bottom, from bottom to top
Data Groups	16 RGBR' data groups, 20 RGB data groups
Data folded	Support 2 split, 4 split in the same direction and 2 split in the opposite direction, which refresh rate significantly improved
Data exchange	16 groups of data for any exchange
Module snapshot	Support any pumping point
Data serial transmission	RGB, R8G8B8, R16G16B16, etc. in the form of serial
Data Expansion	Support the D signal as a clock extension, the total amount of data can be extended to 32



# i5A Receiving Card

## COMPATIBLE DEVICE AND INTERFACE TYPE

Communication distance	UTP cable≤140M CAT6 cable≤170M Optic fiber: Single Mode Fiber Transceiver≤20KM Multi-Mode Fiber Transceiver ≤550M (Use RP Repeater to extend unlimited)
Compatible with transmission equipment	Gigabit switch, fiber transceiver, optical switches
DC power interface	Wire terminal
HUB Interface Type	All types

## EXTERNAL INTERFACE

LCD display	support
-------------	---------

## MONITORING FUNCTION (IN CONJUNCTION WITH MULTI-FUNCTION CARD)

Monitoring functions	Temperature, humidity, smoke, relay switch
Remote control	Support for relay switch to turn on/off the power supply of equipment remotely

## PIXEL LEVEL CALIBRATION

Brightness calibration	Support
Chromaticity calibration	Support

## OTHER FEATURES

Hot backup	Support loop backup and dual machine backup, seamless switch
Shaped screen	Any offset of the 16sets of data, drawn at random points, the performance of data exchange control profiled screen.

## i5A Receiving Card

**SIZE:** 5.62"x3.66" (143x93mm)

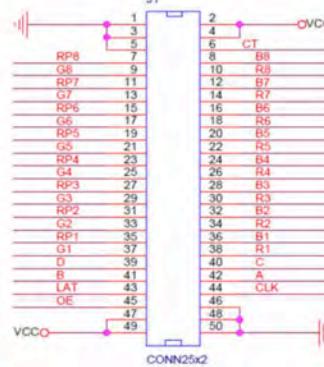
**WEIGHT:** 0.22 lb (0.1 kg)

**ORDER CODE:** UNIPROI5A

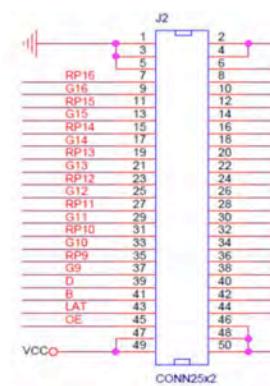
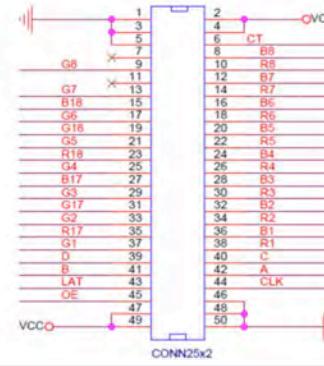
# i5A Receiving Card

## DEFINITION OF 50P PINS

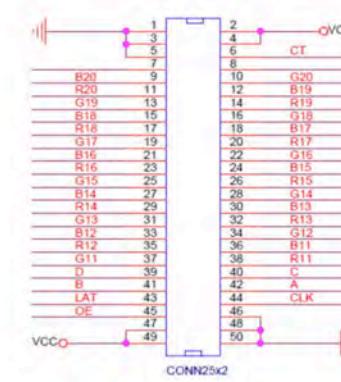
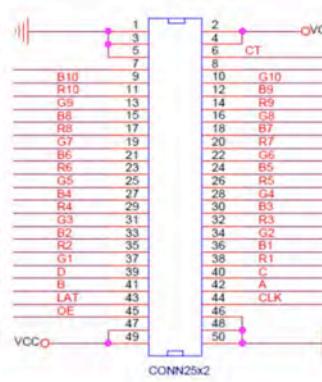
1) 16 RGB' mode



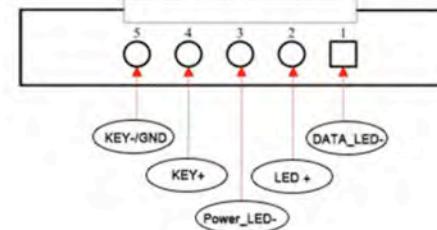
2) 20 RGB mode (Extended mode1)

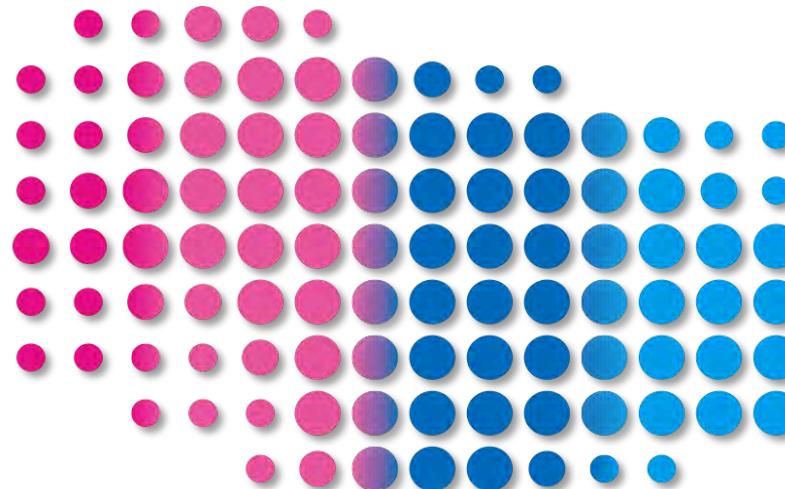


3) 20 RGB mode (Extended mode2)



## EXTERNAL INTERFACE DEFINITION





## i5A-905 Receiving Card

---



# i5A-905 Receiving Card

i5A-905 is specially designed for the compact and portable LED displays, such as LED color screen or casting aluminum cabinet, etc. It inherits all the advantages and features i5A series had, adopts a new generation image processing core, and greatly improve the display effect; adopts a new generation of system architecture, and possesses more intelligent function and more stable system. Make its size and interfaces perfectly suit for LED color screen and casting aluminum display. Meanwhile, i5A-905 possesses Colorlight unique dual receiving card backup technique, to support one cabinet with two receiving cards, mutual backup, more reliable in the key moment.

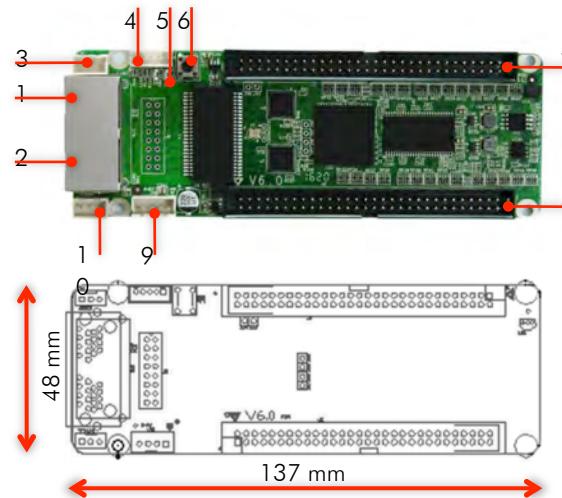
- Tiny size, special designed for the compact structure designs, like color screen and casting aluminum cabinet.
- Power supply from pin board without the need of external power supply, enhance hardware stability.
- New processing core, perfect in display effect.
- High refresh rate, high gray scale and high brightness with conventional chips.
- Perfect performance under lower grayscale status.
- Better detail processing: Partial dark at row, reddish at low gray, shadow problems can be solved.
- Support the effective display at first grayscale value.
- Support 14 bits high-precision point-by-point calibration in the Brightness and chromaticity.
- Support conventional chips, PWM chips and lighting chips, etc.
- Support any scan mode from static to 1/32 scan.
- Support any pumping point and data arbitrary offset, and realize various freeform display, spherical display, diamond display, creative display, etc.
- Support 16 groups of RGBR' signal output and 24 groups of RGB in maximum.
- Large load capacity.
- Advanced design, high quality components, rigorous aging test, zero malfunction of final products.
- Wide working voltage range with DC3.3 -6V
- Support dual receiving card backup, loop backup, and dual-machine backup, etc.
- Compatible with Gigabit NIC, S series Sender, Z series Sender and C series Sender, etc.



# i5A-905 Receiving Card

## FEATURES

Size	137*48mm
Input Voltage	DC 3.3V~6V
Rated Current	0.6A
Rated Power	3W
Storage and transport temperature	-50°C - 125°C
Operating Temperature	-25°C - 75°C
Weight	0.07 Kg
Body static resistance	2KV



### INTERFACE DESCRIPTION

1	Network port A	RJ45, for transmitting data signals	The dual network ports can achieve import/export at random, which can be identified in an intelligent way by the system
2	Network port B	RJ45, for transmitting data signals	The dual network ports can achieve import/export at random, which can be identified in an intelligent way by the system
3	Temp	For temperature detection	The dual network ports can achieve import/export at random, which can be identified in an intelligent way by the system.
4	External interfaces	For Indicator light and test button	Red for power Green for signal
5	Indicator light	For power indicator light and signal transmission status	

6	Test button	The attached test procedures can achieve four kinds of monochrome display (red, green, blue and white), as well as horizontal, vertical and other display scan modes.
7	signal output J1	Connect to the LED module, interface definition shown below
8	signal output J2	Connect to the LED module, interface definition shown below
9	Power	Connect DC3.3~6V power supply for the receiving card
10	HUMI	For humidity detection

# i5A-905 Receiving Card

## CONTROL SYSTEM

Sending device	Gigabit NIC, S series Sender, Z series Sender, C series Sender, etc.
Control area of every card	Full-color: 256*256 Pixels, and for special applications the column can be extended to 1024 pixels.
Calibration area of every card	256*256 Pixels
Cascade card number	65536 PCS
Cascade control area of the largest regional	65536*65536 pixels
Network port exchange	Support arbitrary use
Synchronization	Nanosecond synchronization between cards

## DISPLAY QUALITY

Refresh rate for conventional chip	Static: 64*64, up to 16000Hz; 1/8 scan: 128*128, up to 10000Hz
Serial frequency	0.2MHz-41.7MHz
Gray Level	Maximum 65536 levels
Minimum unit of OE values	8ns, 8ns multiples steps
Blanking Circuit	Support CD4051 blanking circuit
Gray scale compensation	Each level grayscale compensate separately

## DISPLAY MODULE COMPATIBILITY

Chip supports	Support conventional chips, PWM chips, lighting chips and other mainstream chips.
PWM chip supports	Support hundreds of different specifications of the PWM chip, such as MBI, MY, SUM, etc.
Scan mode	Conventional mode and high refresh rate mode to support refresh rate multiplied
Scan type	Support static sweep to 1/32 scan
module specifications	Support 4096 pixels within any row, any column
Support	
The direction of the cable	Support route from left to right, from right to left, from top to bottom, from bottom to top
Data Sets	Different sets in different work modes, refer to interface definitions
Data folded	Support to fold on the same or opposite direction, which improve refresh rate significantly
Module snapshot	Support any pumping point
Data serial transmission	RGB, R8G8B8, R16G16B16, etc



# i5A-905 Receiving Card

## COMPATIBLE DEVICE AND INTERFACE TYPE

Communication distance	UTP cable≤140M CAT6 cable≤170M Optic fiber: Single Mode Fiber Transceiver≤20KM Multi-Mode Fiber Transceiver ≤550M (Use RP Repeater to extend unlimited)
Compatible with transmission equipment	Gigabit switch, fiber transceiver, optical switches
DC power interface	Wire terminal
HUB Interface Type	HUB75

## MONITORING FUNCTION (IN CONJUNCTION WITH MULTI-FUNCTION CARD)

Monitoring functions	Real time monitoring environment information like temperature, humidity, smog
Remote control	Support for relay switch to turn on/off the power supply of equipment remotely

## PIXEL LEVEL CALIBRATION

Brightness calibration	Support
Chromaticity calibration	Support

## OTHER FEATURES

Dual Receiving Card Backup	Support one cabinet with two receiving card. Consult our technicians for more details
Hot backup	Support loop backup and dual-machine backup
Shaped screen	Support various freeform display, spherical display, creative display, etc. through the data arbitrary offset.

## i5A-905 Receiving Card

**SIZE:** 5.39"x1.88" (137x48mm)

**WEIGHT:** 0.15 lb (0.07 kg)

**ORDER CODE:** UNIPROI5A905

# i5A-905 Receiving Card

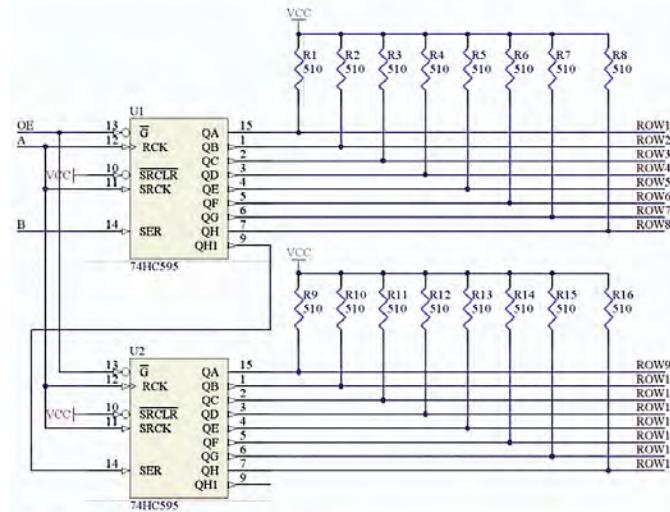
## INTERFACE DEFINITION

The i5A-905 has two 60P data output interfaces.

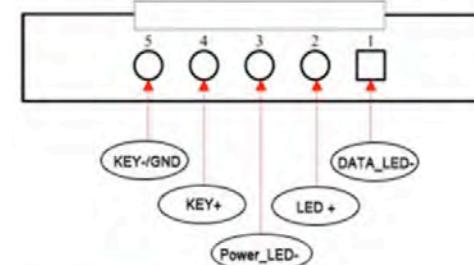
i5A-905 Receiving card supports 3 different working modes, each mode has different interface definitions of the 60P outputs, which list as follows:

- STANDARD MODE Support 1/32 scanning, 16 groups RGBR' data parallel output.
- OUTPUT 24 GROUPS MODE Support 1/32 scanning, 24 groups RGB data parallel output.
- OUTPUT 28 GROUPS MODE Support 1/8 scanning, 28 groups RGB parallel output; As for 1/8~1/32, there need a serial decoding circuit shown as below.
- OUTPUT 64 SERIAL MODE Support 1/32 scan, 32 groups serial data output for each interface, 64 groups in all, definitions as below:

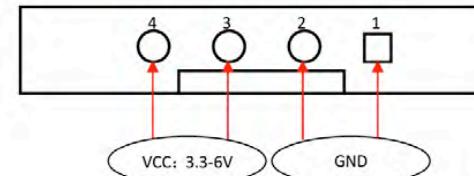
SERIAL DECODING CIRCUIT



EXTERNAL INTERFACE DEFINITION



POWER INTERFACE PIN DEFINITION



# i5A-905 Receiving Card

## - STANDARD MODE

J1				J2			
definition	pin	pin	definition	definition	pin	pin	definition
C	1	2	A	C	1	2	A
B	3	4	OE	B	3	4	OE
LAT	5	6	CLK	LAT	5	6	CLK
D	7	8	E	D	7	8	E
R1	9	10	G1	R9	9	10	G9
R1'	11	12	B1	R9'	11	12	B9
GND	13	14	R2	GND	13	14	R10
G2	15	16	R2'	G10	15	16	R10'
B2	17	18	R3	B10	17	18	R11
G3	19	20	GND	G11	19	20	GND
R3'	21	22	B3	R11'	21	22	B11
R4	23	24	G4	R12	23	24	G12
R4'	25	26	B4	R12'	25	26	B12
x	27	28	x	x	27	28	x
x	29	30	VCC	x	29	30	VCC
C	31	32	A	C	31	32	A
B	33	34	OE	B	33	34	OE
LAT	35	36	CLK	LAT	35	36	CLK
D	37	38	E	D	37	38	E
R5	39	40	G5	R13	39	40	G13
R5'	41	42	B5	R13'	41	42	B13
GND	43	44	R6	GND	43	44	R14
G6	45	46	R6'	G14	45	46	R14'
B6	47	48	R7	B14	47	48	R15
G7	49	50	GND	G15	49	50	GND
R7'	51	52	B7	R15'	51	52	B15
R8	53	54	G8	R16	53	54	G16
R8'	55	56	B8	R16'	55	56	B16
x	57	58	x	x	57	58	x
x	59	60	VCC	x	59	60	VCC

## - OUTPUT 24 GROUPS MODE

J1				J2			
definition	pin	pin	definition	definition	pin	pin	definition
C	1	2	A	C	1	2	A
B	3	4	OE	B	3	4	OE
LAT	5	6	CLK	LAT	5	6	CLK
D	7	8	E	D	7	8	E
CTRL1/NC	9	10	R1	CTRL1/NC	9	10	R13
G1	11	12	B1	G13	11	12	B13
GND	13	14	R2	GND	13	14	R14
G2	15	16	B2	G14	15	16	B14
R3	17	18	G3	R15	17	18	G15
B3	19	20	GND	B15	19	20	GND
R4	21	22	G4	R16	21	22	G16
B4	23	24	R5	B16	23	24	R17
G5	25	26	B5	G17	25	26	B17
R6	27	28	G6	R18	27	28	G18
B6	29	30	VCC	B18	29	30	VCC
C	31	32	A	C	31	32	A
B	33	34	OE	B	33	34	OE
LAT	35	36	CLK	LAT	35	36	CLK
D	37	38	E	D	37	38	E
CTRL1/NC	39	40	R7	CTRL1/NC	39	40	R19
G7	41	42	B7	G19	41	42	B19
GND	43	44	R8	GND	43	44	R20
G8	45	46	B8	G20	45	46	B20
R9	47	48	G9	R21	47	48	G21
B9	49	50	GND	B21	49	50	GND
R10	51	52	G10	R22	51	52	G22
B10	53	54	R11	B22	53	54	R23
G11	55	56	B11	G23	55	56	B23
R12	57	58	G12	R24	57	58	G24
B12	59	60	VCC	B24	59	60	VCC

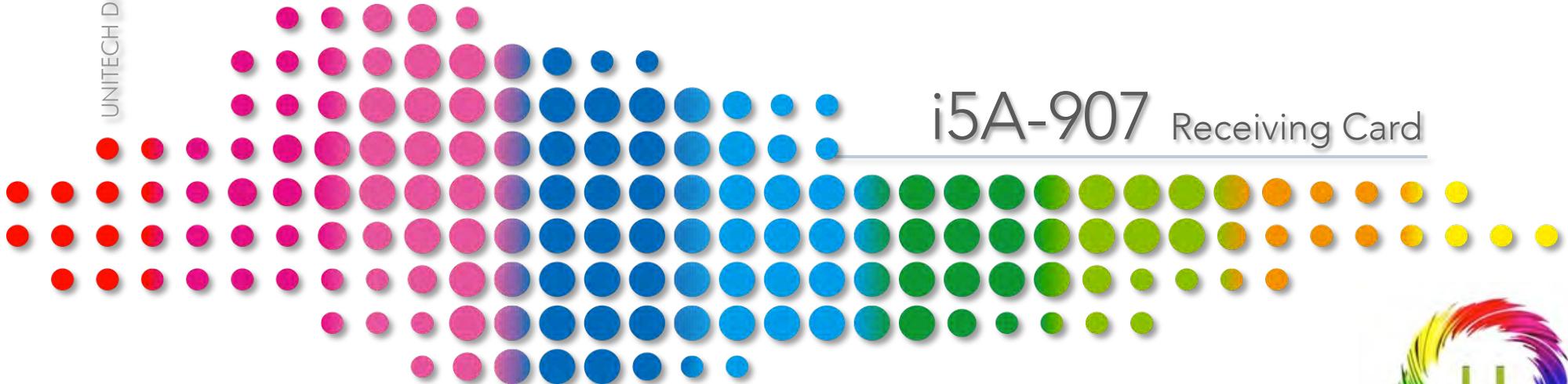
# i5A-905 Receiving Card

## - OUTPUT 28 GROUPS MODE

J1				J2			
definition	pin	pin	definition	definition	pin	pin	definition
C	1	2	A	C	1	2	A
B	3	4	OE	B	3	4	OE
LAT	5	6	CLK	LAT	5	6	CLK
R1	7	8	G1	R15	7	8	G15
B1	9	10	R2	B15	9	10	R16
G2	11	12	B2	G16	11	12	B16
GND	13	14	R3	GND	13	14	R17
G3	15	16	B3	G17	15	16	B17
R4	17	18	G4	R18	17	18	G18
B4	19	20	GND	B18	19	20	GND
R5	21	22	G5	R19	21	22	G19
B5	23	24	R6	B19	23	24	R20
G6	25	26	B6	G20	25	26	B20
R7	27	28	G7	R21	27	28	G21
B7	29	30	VCC	B21	29	30	VCC
C	31	32	A	C	31	32	A
B	33	34	OE	B	33	34	OE
LAT	35	36	CLK	LAT	35	36	CLK
R8	37	38	G8	R22	37	38	G22
B8	39	40	R9	B22	39	40	R23
G9	41	42	B9	G23	41	42	B23
GND	43	44	R10	GND	43	44	R24
G10	45	46	B10	G24	45	46	B24
R11	47	48	G11	R25	47	48	G25
B11	49	50	GND	B25	49	50	GND
R12	51	52	G12	R26	51	52	G26
B12	53	54	R13	B26	53	54	R27
G13	55	56	B13	G27	55	56	B27
R14	57	58	G14	R28	57	58	G28
B14	59	60	VCC	R28	59	60	VCC

## - OUTPUT 64 SERIAL MODE

J1				J2			
definition	pin	pin	definition	definition	pin	pin	definition
C	1	2	A	C	1	2	A
B	3	4	OE	B	3	4	OE
LAT	5	6	CLK	LAT	5	6	CLK
D	7	8	E	D	7	8	E
CTRL1/NC	9	10	R1	CTRL1/NC	9	10	R33
R2	11	12	R3	R34	11	12	R35
GND	13	14	R4	GND	13	14	R36
R5	15	16	R6	R37	15	16	R38
R7	17	18	R8	R39	17	18	R40
R9	19	20	GND	R41	19	20	GND
R10	21	22	R11	R42	21	22	R43
R12	23	24	R13	R44	23	24	R45
R14	25	26	R15	R46	25	26	R47
R16	27	28	x	R48	27	28	x
x	29	30	VCC	x	29	30	VCC
C	31	32	A	C	31	32	A
B	33	34	OE	B	33	34	OE
LAT	35	36	CLK	LAT	35	36	CLK
D	37	38	E	D	37	38	E
CTRL1/NC	39	40	R17	CTRL1/NC	39	40	R49
R18	41	42	R19	R50	41	42	R51
GND	43	44	R20	GND	43	44	R52
R21	45	46	R22	R53	45	46	R54
R23	47	48	R24	R55	47	48	R56
R25	49	50	GND	R57	49	50	GND
R26	51	52	R27	R58	51	52	R59
R28	53	54	R29	R60	53	54	R61
R30	55	56	R31	R62	55	56	R63
R32	57	58	x	R64	57	58	x
x	59	60	VCC	x	59	60	VCC



## i5A-907 Receiving Card



# i5A-907 Receiving Card

i5A-907 is specially designed for the compact and portable LED displays, such as LED color screen or casting aluminum cabinet, etc. It inherits all the advantages and features i5A series had, adopts a new generation image processing core, and greatly improve the display effect; adopts a new generation of system architecture, and possesses more intelligent function and more stable system. Make its size and interfaces perfectly suit for LED color screen and casting aluminum display.

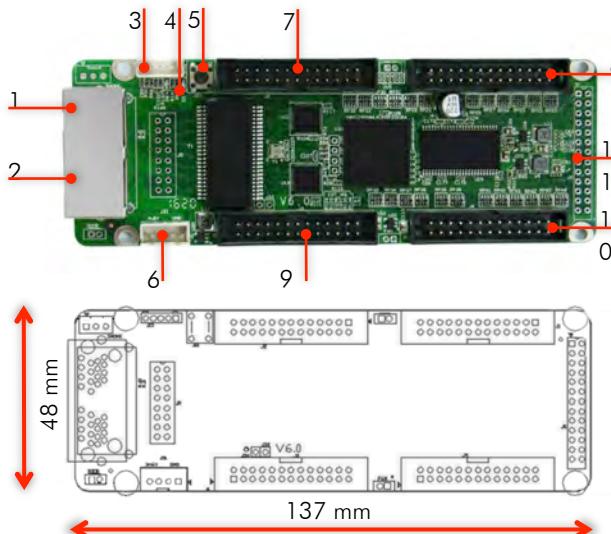
- Tiny size, special designed for the compact structure designs, like color screen and casting aluminum cabinet.
- Power supply from pin board without the need of external power supply, enhance hardware stability.
- New processing core, perfect in display effect.
- High refresh rate, high gray scale and high brightness with conventional chips.
- Perfect performance under lower grayscale status.
- Better detail processing: Partial dark at row, reddish at low gray, shadow problems can be solved.
- Support the effective display at first grayscale value.
- Support 14 bits high-precision point-by-point calibration in the Brightness and chromaticity.
- Support conventional chips, PWM chips and lighting chips, etc.
- Support any scan mode from static to 1/32 scan.
- Support any pumping point and data arbitrary offset, and realize various freeform display, spherical display, diamond display, creative display, etc.
- Support 16 groups RGBR' signal output and 24 groups RGB in maximum.
- Large load capacity.
- Advanced design, high quality components, rigorous aging test, zero malfunction of final products.
- Wide working voltage range with DC 3.3 -6V.
- Support dual receiving card backup, loop backup, and dual-machine backup, etc.
- Compatible with S series Sender, Z series Sender and C series Sender, etc.



# i5A-907 Receiving Card

## FEATURES

Size	137*48mm
Input Voltage	DC 3.3V~6V
Rated Current	0.6A
Rated Power	3W
Storage and transport temperature	-50°C - 125°C
Operating Temperature	-25°C - 75°C
Weight	0.07 Kg
Body static resistance	2KV



## INTERFACE DESCRIPTION

1	Network port A	RJ45 for transmitting data signals	The dual network ports can achieve import/export at random, which can be identified in an intelligent way by the system
2	Network port B	RJ45 for transmitting data signals	
3	External interfaces	For Indicator light and test button	
4	Indicator light	For power indicator light and signal transmission status	Red for power Green for signal
5	Test button	The attached test procedures can achieve four kinds of monochrome display (red, green, blue and white), as well as horizontal, vertical and other display scan modes.	

6	Power	Connect DC 3.3-6V power supply for the receiving card
7	signal output J1	Connect to the LED module, interface definition shown below
8	signal output J2	Connect to the LED module, interface definition shown below
9	signal output J3	Connect to the LED module, interface definition shown below
10	signal output J4	Connect to the LED module, interface definition shown below
11	signal output J5	connect to the LED module, same definition as J1

# i5A-907 Receiving Card

## CONTROL SYSTEM

Sending device	S series Sender, Z series Sender and C Series Sender, etc.
Control area of every card	Full-color: 256*256 Pixels, and for special applications the column can be extended to 1024 pixels.
Calibration area of every card	256*256 Pixels
Cascade card number	65536 PCS
Cascade control area of the largest regional	65536*65536 pixels
Network port exchange	Support arbitrary use
Synchronization	Nanosecond synchronization between cards

## DISPLAY QUALITY

Refresh rate for conventional chip	Static: 64*64, up to 16000Hz 1/8 scan: 128*128, up to 10000Hz
Serial frequency	0.2MHz-41.7MHz
Gray Level	Maximum 65536 levels
Minimum unit of OE values	8ns, 8ns multiples steps
Blanking Circuit	Support CD4051 blanking circuit
Gray scale compensation	Each level grayscale compensate separately

## DISPLAY MODULE COMPATIBILITY

Chip supports	Support conventional chips, PWM chips, lighting chips and other mainstream chips.
PWM chip supports	Support hundreds of different specifications of the PWM chip, such as MBI, MY, SUM, etc.
Scan mode	Conventional mode and high refresh rate mode to support refresh rate multiplied
Scan type	Support static sweep to 1/32 scan
module specifications Support	Support 4096 pixels within any row, any column
The direction of the cable	Support route from left to right, from right to left, from top to bottom, from bottom to top
Data Sets	16 groups RGBR' parallel data; 24 groups RGB parallel data
Data folded	Support to fold on the same or opposite direction, which improve refresh rate significantly
Module snapshot	Support any pumping point
Data serial transmission	RGB, R8G8B8, R16G16B16, etc



# i5A-907 Receiving Card

## COMPATIBLE DEVICE AND INTERFACE TYPE

Communication distance	UTP cable≤140M CAT6 cable≤170M Optic fiber: Single Mode Fiber Transceiver≤20KM Multi-Mode Fiber Transceiver ≤550M (Use RP Repeater to extend unlimited)
Compatible with transmission equipment	Gigabit switch, fiber transceiver, optical switches
DC power interface	Wire terminal or HUB board
HUB Interface Type	Refer to signal interface definition below

## MONITORING FUNCTION (IN CONJUNCTION WITH MULTI-FUNCTION CARD)

Monitoring functions	Real time monitoring environment information like temperature, humidity, smog
Remote control	Support for relay switch to turn on/off the power supply of equipment remotely

## PIXEL LEVEL CALIBRATION

Brightness calibration	Support
Chromaticity calibration	Support

## OTHER FEATURES

Hot backup	Support loop backup and dual-machine backup
Shaped screen	Support various freeform display, spherical display, creative display, etc. through the data arbitrary offset.

## i5A-907 Receiving Card

**SIZE:** 5.39"x1.88" (137x48mm)

**WEIGHT:** 0.15 lb (0.07 kg)

**ORDER CODE:** UNIPROI5A907

# i5A-907 Receiving Card

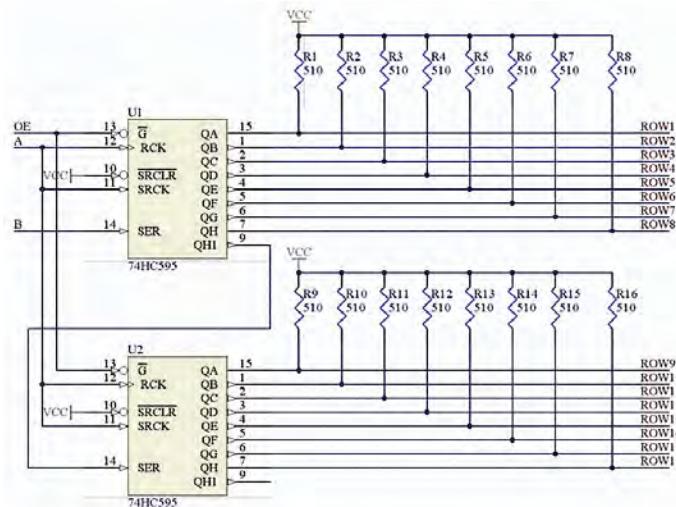
## SIGNAL OUTPUT DEFINITION

i5A-907 has five 26P data output interface, and J5 and J1 output the same data.

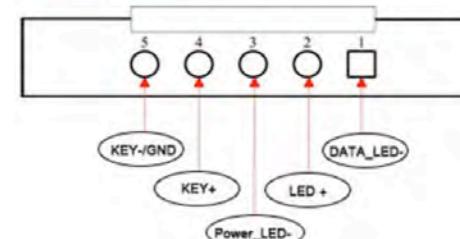
J5 is a horizontal interface, for the special structure using. i5A-907 supports different work modes, and 26P output interface definitions are different in each work mode, which shown as follows:

- STANDARD MODE Default mode
- 20 GROUPS MODE
- 24 GROUPS MODE Include A and B scan signal; For 1/4~1/32, there need a serial decoding circuit as shown below.
- 16 GROUPS SERIAL MODE Only J1 and J5 works, output the same data, choose between, detailed definition as belows:

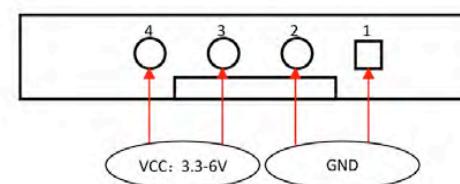
SERIAL DECODING CIRCUIT



EXTERNAL INTERFACE DEFINITION



POWER INTERFACE PIN DEFINITION



# i5A-907 Receiving Card

- STANDARD MODE

JI/J5			J2			J3			J4		
1	A	B	2	1	A	B	2	1	A	B	2
3	OE	LAT	4	3	OE	LAT	4	3	OE	LAT	4
5	CLK	VCC	6	5	CLK	VCC	6	5	CLK	VCC	6
7	C	D	8	7	C	D	8	7	C	D	8
9	R1	G1	10	9	R5	G5	10	9	R9	G9	10
11	R1'	B1	12	11	R5'	B5	12	11	R9'	B9	12
13	GND	R2	14	13	GND	R6'	14	13	GND	R10	14
15	G2	R2'	16	15	G6	R6'	16	15	G10	R10'	16
17	B2	R3	18	17	B6	R7	18	17	B10	R11	18
19	G3	GND	20	19	G7	GND	20	19	G11	GND	20
21	R3'	B3	22	21	R7'	B7	22	21	R11'	B11	22
23	R4	G4	24	23	R8	G8	24	23	R12	G12	24
25	R4'	B4	26	25	R8'	B8	26	25	R12'	B12	26

- 24 GROUPS MODE

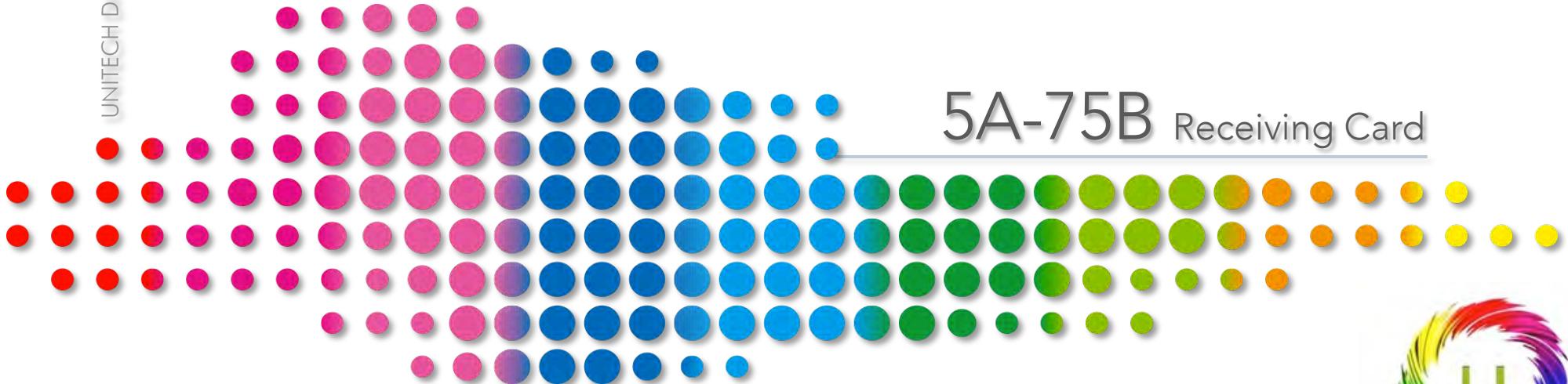
JI/J5			J2			J3			J4		
1	A	B	2	1	A	B	2	1	A	B	2
3	OE	LAT	4	3	OE	LAT	4	3	OE	LAT	4
5	CLK	VCC	6	5	CLK	VCC	6	5	CLK	VCC	6
7	R1	G1	8	7	R7	G7	8	7	R13	G13	8
9	B1	R2	10	9	B7	R8	10	9	B13	R14	10
11	G2	B2	12	11	G8	B8	12	11	G14	B14	12
13	GND	R3	14	13	GND	R9	14	13	GND	R15	14
15	G3	B3	16	15	G9	B9	16	15	G15	B15	16
17	R4	G4	18	17	R10	G10	18	17	R16	G16	18
19	B4	GND	20	19	B10	GND	20	19	B16	GND	20
21	R5	G5	22	21	R11	G11	22	21	R17	G17	22
23	B5	R6	24	23	B11	R12	24	23	B17	R18	24
25	G6	B6	26	25	G12	B12	26	25	G18	B18	26

- 20 GROUPS MODE

JI/J5			J2			J3			J4		
1	A	B	2	1	A	B	2	1	A	B	2
3	OE	LAT	4	3	OE	LAT	4	3	OE	LAT	4
5	CLK	VCC	6	5	CLK	VCC	6	5	CLK	VCC	6
7	C	D	8	7	C	D	8	7	C	D	8
9	E	R1	10	9	E	R6	10	9	E	R11	10
11	G1	B1	12	11	G6	B6	12	11	G11	B11	12
13	GND	R2	14	13	GND	R6'	14	13	GND	R12	14
15	G2	B2	16	15	G7	B7	16	15	G12	B12	16
17	R3	G3	18	17	R8	Q8	18	17	R13	G13	18
19	B3	GND	20	19	B8	GND	20	19	B13	GND	20
21	R4	G4	22	21	R9	G9	22	21	R14	G14	22
23	B4	R5	24	23	B9	R10	24	23	B14	R15	24
25	G6	B5	26	25	G10	B10	26	25	G15	B15	26

- 16 GROUPS SERIAL MODE

JI/J5		
1	A	B
3	OE	LAT
5	CLK	VCC
7	C	D
9	R1	R2
11	R3	R4
13	GND	R5
15	R6	R7
17	R8	R9
19	R10	GND
21	R11	R12
23	R13	R14
25	R15	R16



5A-75B Receiving Card





# 5A-75B Receiving Card

5A-75B receiving card was Colorlight special introduced high performance product that designed for customers to save cost, reduce points of fault and failure rate.

Based on 5A receiving card, 5A-75B integrates the most common HUB75 interfaces, which is more reliable and more economical on the premise that ensure high-quality display.

- Integrated HUB75 interface, more convenient with less cost.
- Reduce the plug connectors and malfunction, lower failure rate.
- Superior display quality: high refresh rate, high grayscale, and high brightness with the conventional chips.
- Perfect performance under lower grayscale status.
- Better detail processing: Partial dark at row, reddish at low gray, shadow problems can be solved.
- Support 14 bits high-precision point-by-point calibration in the Brightness and the chromaticity.
- Support conventional chips, PWM chips and lighting chips.
- Support any scan mode from static to 1/32 scan.
- Support any pumping point and data arbitrary offset and realize various freeform display, spherical display, creative display, etc.
- Support 16 groups of RGB signal output.
- Large load capacity.
- Advanced design, high quality components, rigorous aging test, zero malfunction of final products.
- First adopt all components face up configuration to reduce damage.
- Wide working voltage range with DC3.3~6V.
- Compatible with Gigabit NIC, S series Sender, Z series Sender, C series Sender, etc.



**5A-75B Receiving Card**

**SIZE:** 5.62"x3.66" (143x93mm)

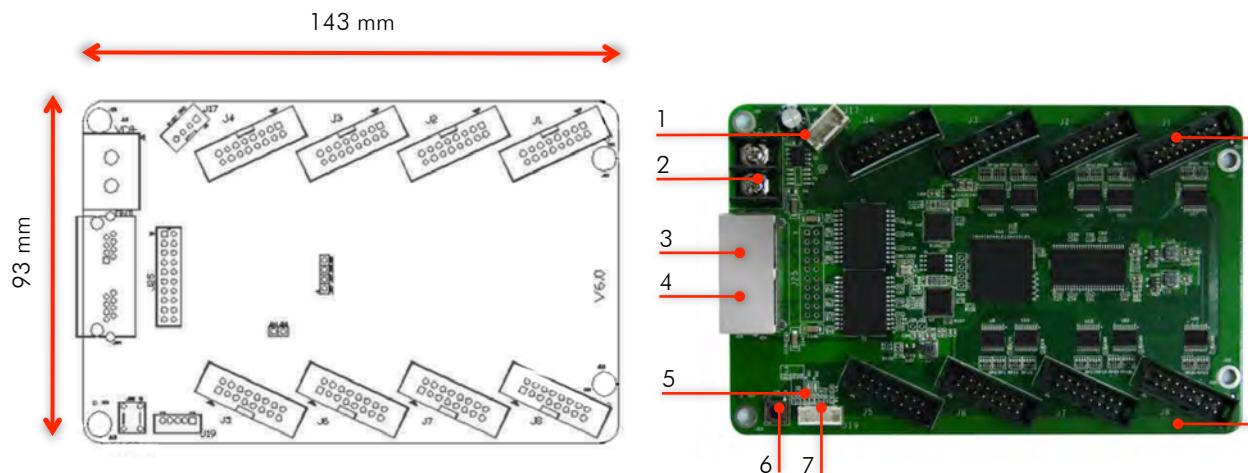
**WEIGHT:** 0.22 lb (0.1 kg)

**ORDER CODE:** UNIPRO5A75B

# 5A-75B Receiving Card

## FEATURES

Size	143*93mm
Input Voltage	DC 3.3V~6V
Rated Current	0.6A
Rated Power	3W
Storage and transport temperature	-50°C - 125°C
Operating Temperature	-25°C - 75°C
Weight	0.1 Kg
Body static resistance	2KV



## INTERFACE DESCRIPTION

1	Power 1	Connect DC 3.3~6V power supply for the receiving card	Only one is used.
2	Power 2	Connect DC 3.3~6V power supply for the receiving card	
3	Network port A	RJ45, For transmitting data signals	The dual network ports can achieve import/export at random, which can be identified in an intelligent way by the system.
4	Network port B	RJ45, For transmitting data signals	
5	Power/Signal Indicator light	D1 power indicator light D2 signal transmission status	red for power, green for signal
6	Test button	The attached test procedures can achieve four kinds of monochrome display (red, green, blue and white), as well as horizontal, vertical and other display scan modes.	
7	External interfaces	For Indicator light and test button	
8	HUB pins	HUB75 Interface, J1~J8 connected to display modules	Support 32 scan with E signal

# 5A-75B Receiving Card

## CONTROL SYSTEM

Sending device	Gigabit NIC, S series Sender, Z series Sender, C series Sender, etc.
Control area of every card	Full-color: 256*256 Pixels, for special applications the column can be extended to 1024 pixels
Correction area of every card	256*256 Pixels
Cascade card number	65536 PCS
Cascade control area of the largest regional	65536*65536 pixels
Network port exchange	Support arbitrary use
Synchronization	Nanosecond synchronization between the card and the card

## DISPLAY QUALITY

Refresh rate for conventional chip	Static: 64*64, up to 16000Hz 1/8 scan: 128*128, up to 10000Hz
Serial frequency	0.2MHz-41.7MHz
Gray Level	Maximum 65536 levels
Minimum unit of OE values	8ns, 8ns multiples steps
Gray scale compensation	Each level grayscale compensate separately

## DISPLAY MODULE COMPATIBILITY

Chip supports	Support conventional chips, PWM chips, lighting chips and other mainstream chips.
PWM chip supports	Support hundreds of different specifications of the PWM chip, such as MBI, MY, SUM, etc.
Scan mode	Conventional mode and high refresh rate mode to support refresh rate multiplied
Scan type	Support static sweep to 1/32 scan
module specifications Support	Support 4096 pixels within any row, any column
The direction of the cable	Support route from left to right, from right to left, from top to bottom, from bottom to top
Data Groups	16 RGB data groups
Data folded	Support to fold on the same or opposite direction, which improve refresh rate significantly
Data exchange	16 groups of data for any exchange
Module snapshot	Support any pumping point
Data serial transmission	Support RGB, R8G8B8, R16G16B16, etc. in the form of serial

# 5A-75B Receiving Card

## COMPATIBLE DEVICE AND INTERFACE TYPE

Communication distance	UTP cable≤140M CAT6 cable≤170M Optic fiber: Single Mode Fiber Transceiver≤20KM Multi-Mode Fiber Transceiver ≤550M (Use RP Repeater to extend unlimited)
Compatible with transmission equipment	Gigabit switch, fiber transceiver, optical switches
DC power interface	Wire terminal
HUB Interface Type	HUB75 (Note: 32 scan with E signal)
MONITORING FUNCTION (IN CONJUNCTION WITH MULTI-FUNCTION CARD)	
Monitoring functions	Real time monitoring environment information like temperature, humidity, smog
Remote control	Support for relay switch to turn on/off the power supply of equipment remotely
PIXEL LEVEL CALIBRATION	
Brightness calibration	Support
Chromaticity calibration	Support
OTHER FEATURES	
Hot backup	Support, from A to B, and loop backup as well
Shaped screen	Support various freeform display, spherical display, creative display, etc. through the data arbitrary offset.

## DEFINITIONS OF HUB75

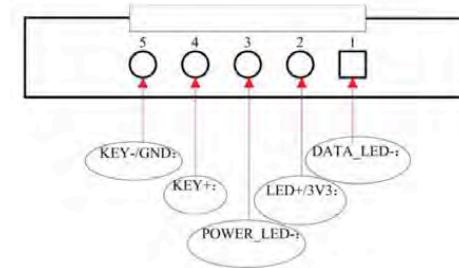
Data signal			Scanning signal		Control signal		
GD1	GND	GD1	E	B	D	LAT	GND
2	4	6	8	10	12	14	16
1	3	5	7	9	11	13	15
RD1	BD1	RD1	BD1	A	C	CLK	OE
Data signal			Scanning signal		Control signal		

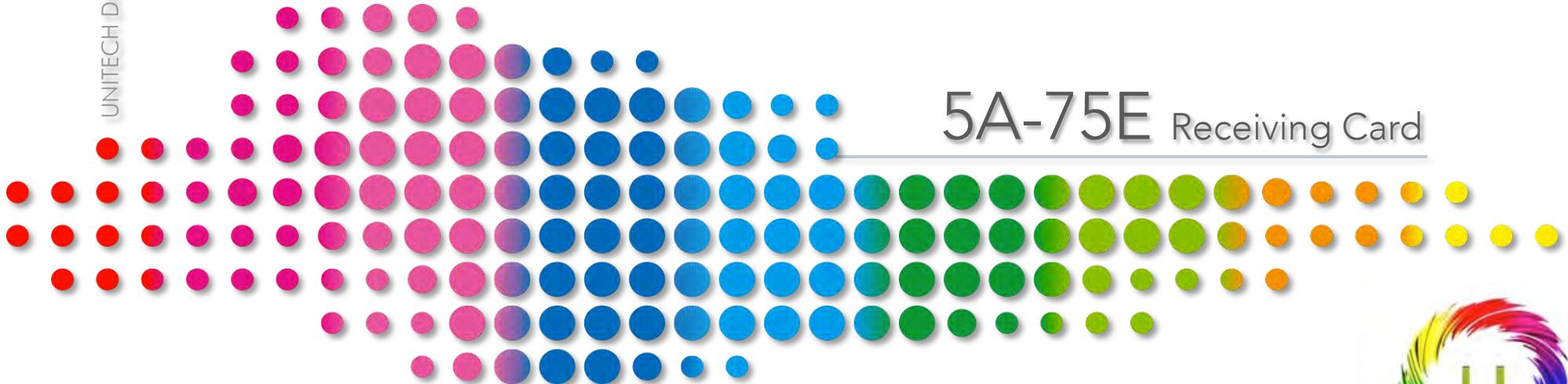
## INDICATOR LIGHT FUNCTIONS

Red: ON for power available

Green: ON/OFF quick flash (about 5-10 times/second) indicates that the data signal transmission is normal.

## DEFINITION OF EXTERNAL INTERFACE





5A-75E Receiving Card



# 5A-75E Receiving Card

5A-75E receiving card was Colorlight special introduced high performance product, that designed for customers to save cost, reduce points of fault and failure rate.

Based on 5A receiving card, 5A-75E integrates the most common HUB75 interfaces, which is more reliable and more economical on the premise that ensure high-quality display.

- Integrated HUB75 interface, more convenient with less cost.
- Reduce the plug connectors, and reduce malfunction, lower failure rate.
- Superior display quality: high refresh rate, high grayscale, and high brightness with the conventional chips.
- Perfect performance under lower grayscale status.
- Better detail processing: Partial dark at row, reddish at low gray, shadow problems can be solved.
- Support 14 bits high-precision point-by-point calibration in the Brightness and the chromaticity.
- Support conventional chips, PWM chips and lighting chips.
- Support any scan mode from static to 1/32 scan.
- Support any pumping point and data arbitrary offset to realize various freeform display, spherical display, creative display, etc.
- Support 32 groups of RGB signal output.
- Large load capacity.
- Advanced design, high quality components, rigorous aging test, zero malfunction of final products.
- Wide working voltage range with DC3.3~6V.
- Support reserve connection protection.
- Compatible with Gigabit NIC, S series Sender, Z series Sender, C series Sender, etc.



---

## 5A-75E Receiving Card

**SIZE:** 5.62"x3.66" (143x93mm)

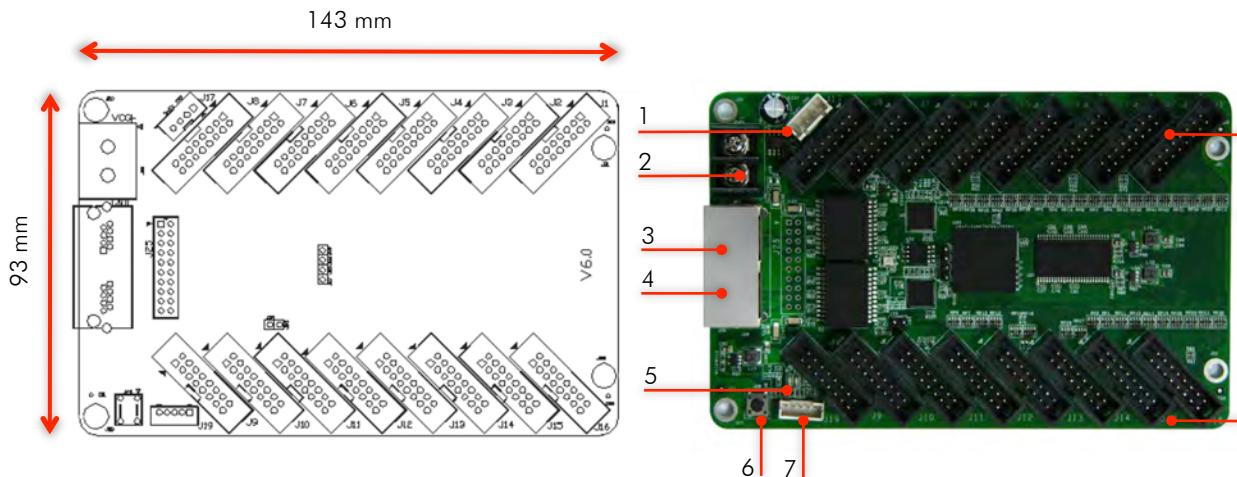
**WEIGHT:** 0.22 lb (0.1 kg)

**ORDER CODE:** UNIPRO5A75E

# 5A-75E Receiving Card

## FEATURES

Size	143*93mm
Input Voltage	DC 3.3V~6V
Rated Current	0.6A
Rated Power	3W
Storage and transport temperature	-50°C - 125°C
Operating Temperature	-25°C - 75°C
Weight	0.1 Kg
Body static resistance	2KV



## INTERFACE DESCRIPTION

1	Power 1	Connect DC 3.3~6V power supply for the receiving card	Only one is used.
2	Power 2	Connect DC 3.3~6V power supply for the receiving card	
3	Network port A	RJ45, For transmitting data signals	The dual network ports can achieve import/export at random, which can be identified in an intelligent way by the system.
4	Network port B	RJ45, For transmitting data signals	
5	Power/Signal Indicator light	D1 power indicator light D2 signal transmission status	
6	Test button	The attached test procedures can achieve four kinds of monochrome display (red, green, blue and white), as well as horizontal, vertical and other display scan modes.	
7	External interfaces	For Indicator light and test button	
8	HUB pins	HUB75 Interface, J1~J16 connected to display modules	

# 5A-75E Receiving Card

## CONTROL SYSTEM

Sending device	Gigabit NIC, S series Sender, Z series Sender, C series Sender, etc.
Control area of every card	Full-color: 256*256 Pixels for conventional card
Correction area of every card	256*256 Pixels
Cascade card number	65536 PCS
Cascade control area of the largest regional	65536*65536 pixels
Network port exchange	Support arbitrary use
Synchronization	Nanosecond synchronization between the card and the card

## DISPLAY QUALITY

Refresh rate for conventional chip	Static: 16000Hz; 1/8 scan: 10000Hz
Serial frequency	0.2MHz-41.7MHz
Gray Level	Maximum 65536 levels
Minimum unit of OE values	8ns, 8ns multiples steps
Gray scale compensation	Each level grayscale compensate separately

## DISPLAY MODULE COMPATIBILITY

Chip supports	Support conventional chips, PWM chips, lighting chips and other mainstream chips.
PWM chip supports	Support hundreds of different specifications of the PWM chip, such as MBI, MY, SUM, etc.
Scan mode	Conventional mode and high refresh rate mode to support refresh rate multiplied
Scan type	Support static sweep to 1/32 scan
module specifications Support	Support 4096 pixels within any row, any column
The direction of the cable	Support route from left to right, from right to left, from top to bottom, from bottom to top
Data Groups	32 RGB data groups
Data folded	Support 2 split, 4 split in the same direction, which refresh rate significantly improved
Data exchange	32 groups of data for any exchange
Module snapshot	Support any pumping point
Data serial transmission	RGB, R8G8B8, R16G16B16, etc in the form of serial

# 5A-75E Receiving Card

## COMPATIBLE DEVICE AND INTERFACE TYPE

Communication distance	UTP cable≤140M CAT6 cable≤170M Optic fiber: Single Mode Fiber Transceiver≤20KM Multi-Mode Fiber Transceiver ≤550M (Use RP Repeater to extend unlimited)
Compatible with transmission equipment	Gigabit switch, fiber transceiver, optical switches
power interface	Wire terminal
HUB Interface Type	HUB75

## MONITORING FUNCTION (IN CONJUNCTION WITH MULTI-FUNCTION CARD)

Monitoring functions	Real time monitoring environment information like temperature, humidity, smog
Remote control	Support for relay switch to turn on/off the power supply of equipment remotely

## OTHER FEATURES

pixel level calibration	Support
Hot backup	Support loop backup and dual-machine backup
Shaped screen	Support various freeform display, spherical display, creative display, etc. through the data arbitrary offset.

## DEFINITIONS OF HUB75

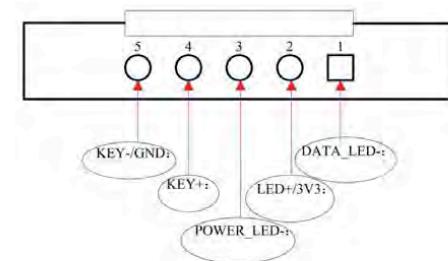
Data signal			Scanning signal		Control signal		
GD1	GND	GD2	E	B	D	LAT	GND
2	4	6	8	10	12	14	16
1	3	5	7	9	11	13	15
RD1	BD1	RD2	BD2	A	C	CLK	OE
Data signal			Scanning signal		Control signal		

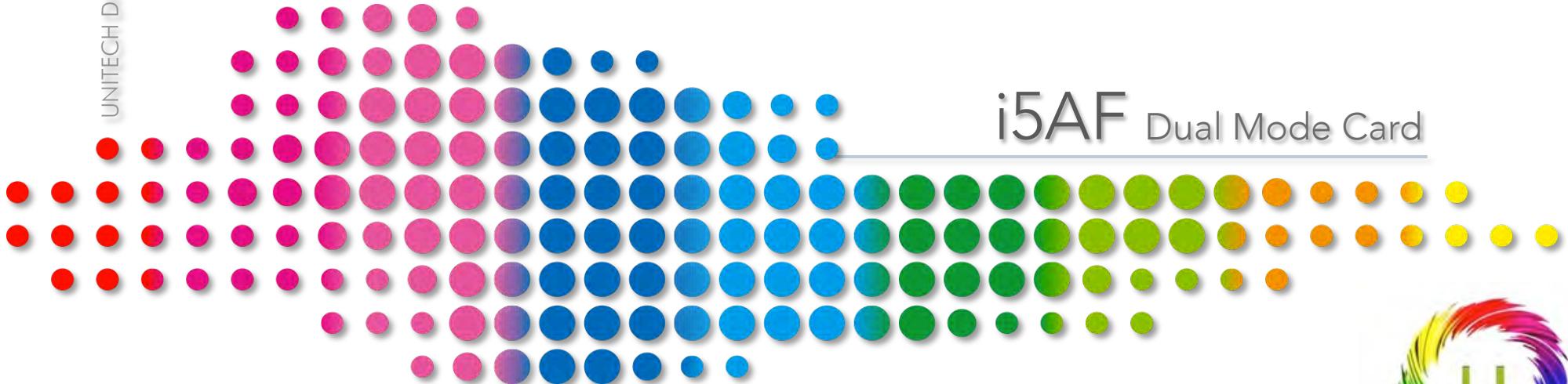
## INDICATOR LIGHT FUNCTIONS

Red: ON for power available

Green: ON/OFF quick flash (about 5-10 times/second) indicates that the data signal transmission is normal.

## DEFINITION OF EXTERNAL INTERFACE





## i5AF Dual Mode Card



# i5AF Dual Mode Card

i5A-F is a dual-mode card which makes both synchronous and asynchronous system available and the two modes can be seamlessly switched. i5A-F helps to greatly improve the display effect, higher refresh rate, color input, it helps to realize more dedicate image and more stable screen.

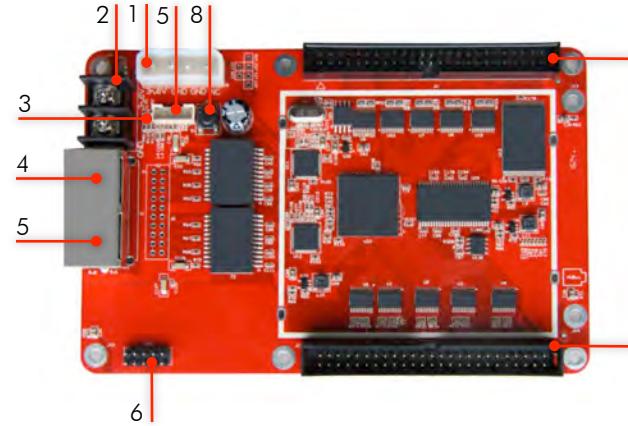
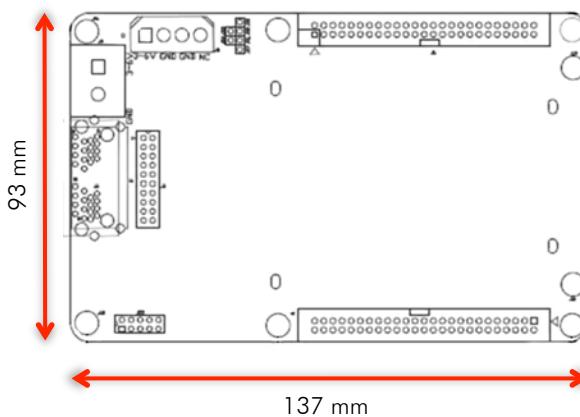
- i5A-F is a dual-mode card which makes both synchronous and asynchronous system available and the two modes can be seamlessly switched.
- i5A-F helps to greatly improve the display effect, higher refresh rate, color input, it helps to realize more dedicate image and more stable screen.
- Support brightness and chromaticity calibration
- Support normal chip, PWM, lighting chip
- Support any scan mode from static to 1/32 scan
- Support various freeform display, spherical display, diamond display, creative display, etc.
- Support signal output for 16 groups of RGBR' and 20 groups of RGB, 32 groups as extended
- Wide working voltage range with DC3.3 - 6V
- Compatible with S series Sender, Z series Sender, C series Sender, gigabit NIC, etc.



# i5AF Dual Mode Card

## FEATURES

Size	143*93 mm	
Input Voltage	DC 3.3V~6V	
Rated Current	0.6A	
Rated Power	3W	
Storage and transport temperature	-50°C - 125°C	
Operating Temperature	-25°C - 75°C	
Weight	0.1 Kg	
Body static resistance	2KV	



### INTERFACE DESCRIPTION

1	Power 1	Connect DC5V power supply for the receiver card	Only one is used
2	Power 2	Connect DC5V power supply for the receiver card	
3	Indicate lamp	Indicate power and signal transmission status red for power, green for signal	
4	Network port A	RJ45For transmitting data signals	The dual network ports can achieve import/export at random, which can be identified in an intelligent way by the system.
5	Network port B	RJ45For transmitting data signals.	
6	LCD interface	Connect to the LCD display	
7	Dual 50P pins	Connected to all display HUB boards	
8	Test button	The attached test procedures can achieve four kinds of monochrome display (red, green, blue and white), as well as horizontal, vertical and other display scan modes.	
9	External interfaces	For Indicate lamp and test button	

# i5AF Dual Mode Card

## CONTROL SYSTEM

Sending device	Gigabit NIC, S series Sender, Z series Sender, C series Sender, etc.
Control area of every card	Full-color: 256*256 Pixels, and for special applications the column can be extended to 1024 pixels.
Cascade card number	65536 PCS
Cascade control area of the largest regional	65536*65536 pixels
Network port exchange	Support arbitrary use
Synchronization	Nanosecond synchronization between the card and the card

## DISPLAY QUALITY

Refresh rate for conventional chip	Static: 64*64, up to 16000Hz; 1/8 scan: 128*128, up to 10000Hz
Serial frequency	0.2MHz-41.7MHz
Gradation	65536
Minimum unit of OE values	8ns, 8ns multiples steps
Gray scale compensation	Each level grayscale separate compensate

## DISPLAY MODULE COMPATIBILITY

Chip supports	Support conventional chips, PWM chips, lighting chips and other mainstream chips.
PWM chip supports	Support hundreds of different specifications of the PWM chip, such as MBI5042 (requires a separate program)
Scan mode	Two scanning methods to support refresh rate multiplier
Scan type	Support static sweep to 1/32 scan
module specifications	Support 4096 pixels within any row, any column
Support	
The direction of the cable	Support route from left to right, from right to left, from top to bottom, from bottom to top
Data Sets	16 RGB data sets
Data folded	Support to the fold, reverse fold, with the already discounted, such as refresh rate significantly improved.
Data exchange	16 sets of data any exchange
Module snapshot	Support any pumping point
Data serial transmission	RGB, R8G8B8, R16G16B16, etc
Data Expansion	Support the D signal as a clock extension, the total amount of data can be extended to 32.



# i5AF Dual Mode Card

## COMPATIBLE DEVICE AND INTERFACE TYPE

Communication distance	UTP cable≤140M CAT6 cable≤170M OPTIC FIBER transmission distance unrestricted
Compatible with transmission equipment	Gigabit switch, fiber transceiver, optical switches
power interface	Wire terminal
HUB Interface Type	All Types

## CABINET LEVEL OVERALL MONITORING (IN CONJUNCTION WITH MONITORING MODULE)

Monitoring functions	Temperature, humidity, smoke, etc.
Intelligent emergency treatment	In exceptional cases ,monitoring module can automatically trigger relay switch to turn off the power or alarm
LCD display	Support

## MONITORING FUNCTION (IN CONJUNCTION WITH MULTI-FUNCTION CARD)

Monitoring functions	Temperature, humidity, smoke, relay switch
Remote control	Support for relay switch to turn on/off the power supply of equipment remotely

## PIXEL LEVEL CALIBRATION

Brightness calibration	Support
Chromaticity calibration	Support

## OTHER FEATURES

Onboard memory	2G
Double backup	Support
Shaped screen	Any offset of the 16sets of data, draw at random points, the performance of data exchange control profiled screen

## i5AF Dual Mode Card

**SIZE:** 5.62"x3.66" (143x93mm)

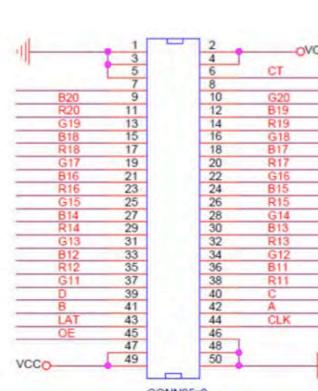
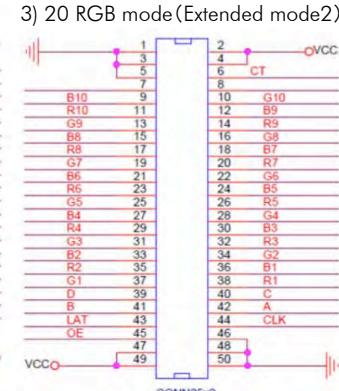
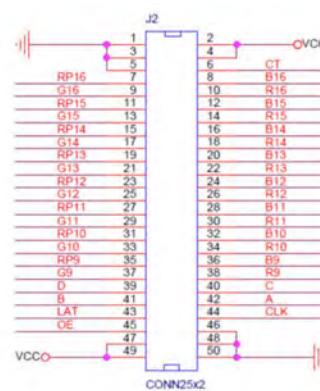
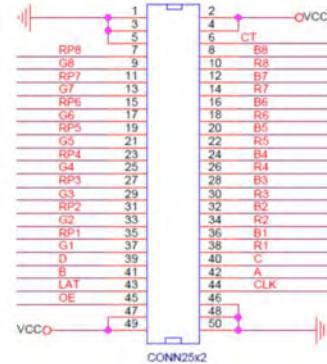
**WEIGHT:** 0.22 lb (0.1 kg)

**ORDER CODE:** UNIPROI5AF

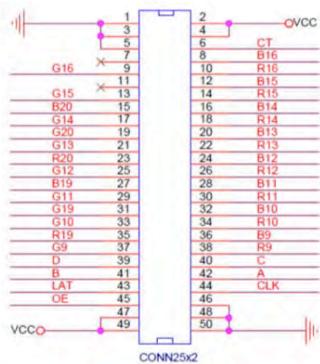
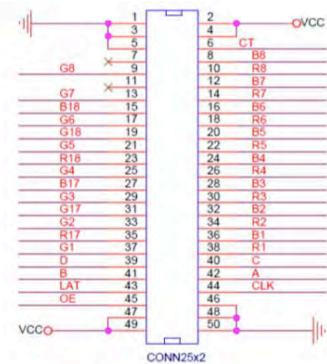
# i5AF Dual Mode Card

## DEFINITION OF 50P PINS

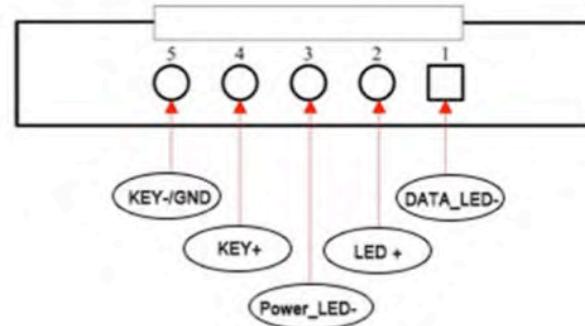
1) 16 RGBR' mode<sub>1</sub>

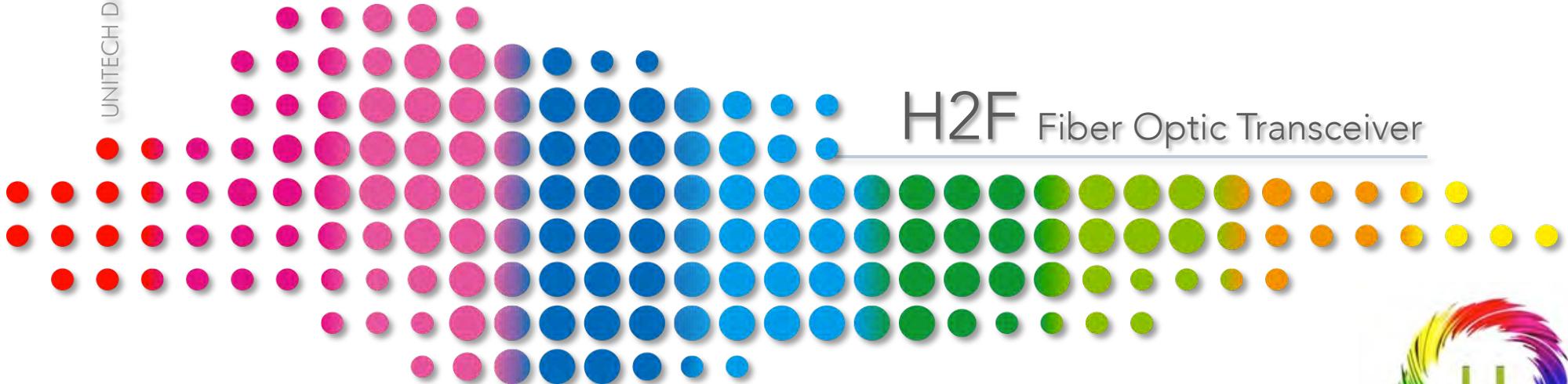


2) 20 RGB mode (Extended mode1)



## EXTERNAL INTERFACE DEFINITION





## H2F Fiber Optic Transceiver

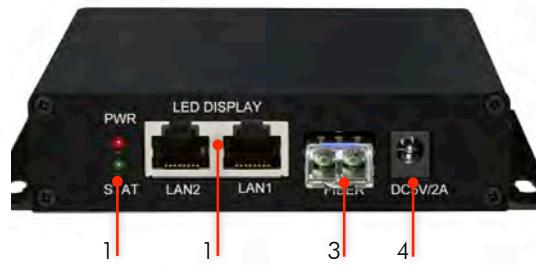
---



# H2F Fiber Optic Transceiver

## FEATURES

- Distributed feedback laser diode ( DFB LD )
- Up to 2.5Gb/s data links
- Multi-source package with duplex LC connector
- Hot-pluggable
- Eye safety designed to meet laser class 1



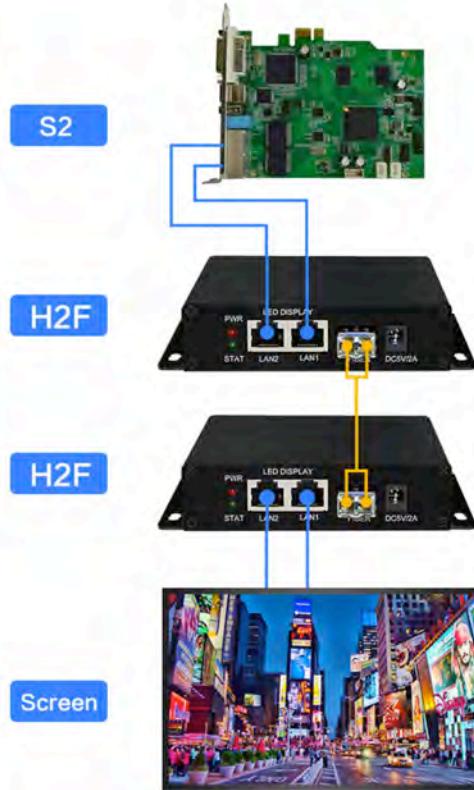
## INTERFACE DESCRIPTION

1	Indicator Light	Red light indicates power Green light indicates working status
2	Ethernet Port	Input or output gigabit Ethernet signal
3	Fiber Module	Input or output fiber optic signal
4	Power	DC power supply interface

Size	99.6x128.5x28.3 mm
Working Mode	Single mode
Power	DC 5V/2A
Data Rate	2.5 Gb/s
Storage Temperature	- 40° - +85°C
Operating Temperature	0° - +70°C
Fiber Interface Type	Duplex LC
Giga Ethernet Port	LAN 1 & LAN 2, RJ45
Laser	DFB
Transmission Distance	15 Km
Fiber Interface	1 port, 2.5G bandwidth

# H2F Fiber Optic Transceiver

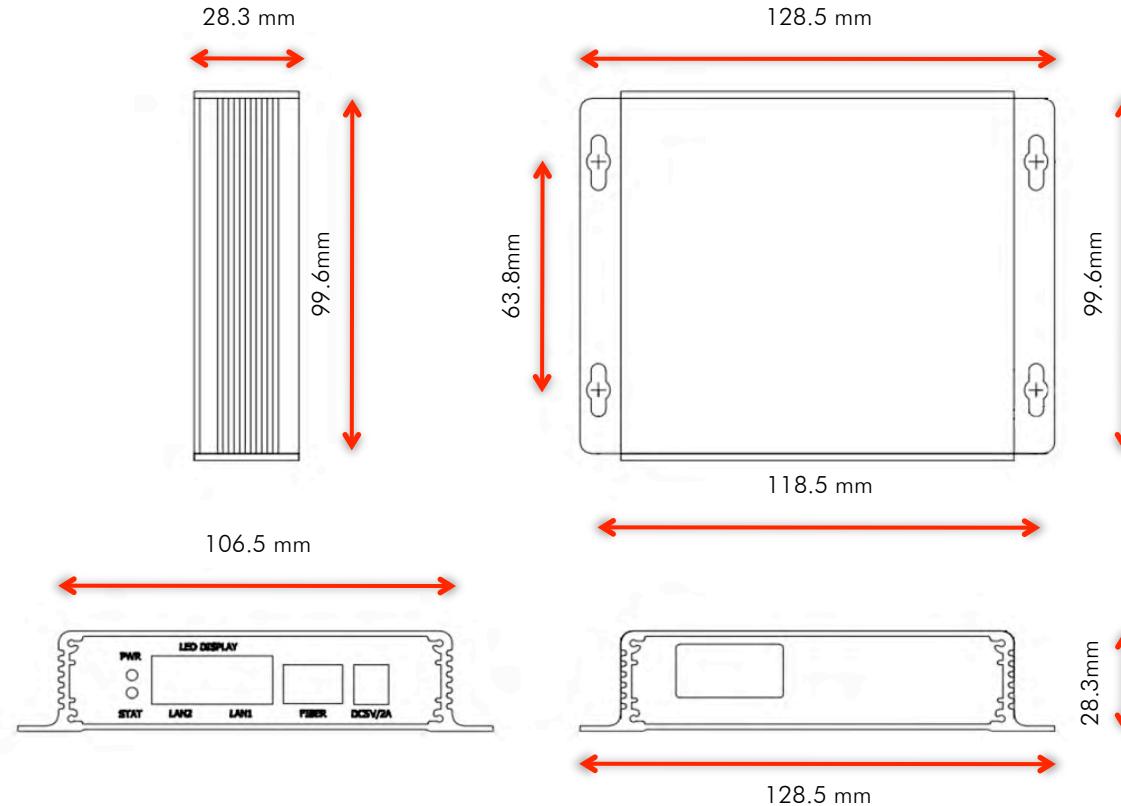
METHOD 1: IN CONJUNCTION WITH SENDING CARD



METHOD 2: IN CONJUNCTION WITH S6F SENDER



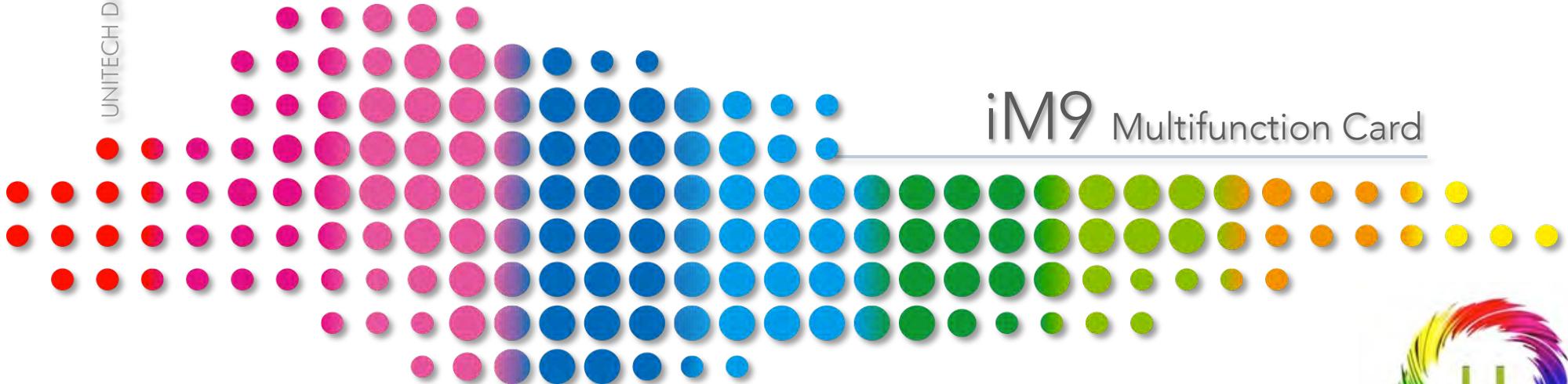
# H2F Fiber Optic Transceiver



**H2F Fiber Optic Transceiver**

**SIZE:** 3.92" x 5.05" x 1.11" (99.6x128.5x28.3 mm)

**ORDER CODE:** UNIPROH2F



## iM9 Multifunction Card

---



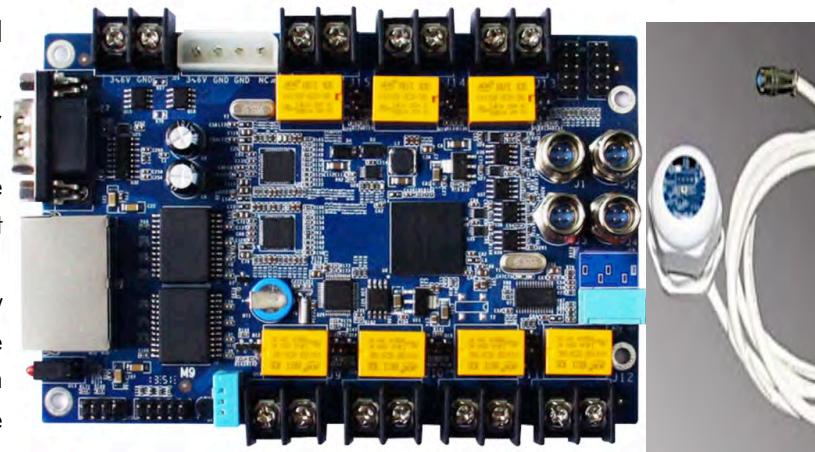
# iM9 Multifunction Card

iM9 multifunction card is an important accessories of the Colorlight control system for environmental monitoring and remote control.

iM9 can be used to monitor the operating environment of the LED displays, such as temperature, humidity, smoke, etc., to ensure the safety of the display.

iM9 can detect the environmental brightness and adjust the brightness of the display automatically in order to make sure the display work in the most suitable brightness.

iM9 contains 7 Relays Switches, that can be used to control the power supply remotely. Benefit from iM9, you can turn on or off the power supply of the equipments such as display , air conditioning, fans, and power distribution cabinets by the software on the computer, instead of going to the front of the equipments.





# iM9 Multifunction Card

## FEATURES

Size	143x93 mm
Power input	DC 3.3V – 6V supply voltage
Power consumption	4.65W
Weight	0.138Kg

### iM9 Multifunction Card

**SIZE:** 5.62"x3.66" (143x93 mm)

**WEIGHT:** 0.3 lb (0.138 kg)

**ORDER CODE:** UNIPROIM9

### SYSTEM COMPATIBILITY

Sending device	C series Sender, Z series Sender, S series Sender, etc.
Receiving device	All Series of Colorlight Receiving Card
Transmission equipment	Support Gigabit switch, Fiber Converter

### REMOTE CONTROL

Remote power management	4 switches for LED display 2 switches for air conditioning and fans ( can be automatically controlled by the temperature sensor) 1 switches for others
Brightness Adjustment	Automatically adjust brightness of the LED display screen according to environment

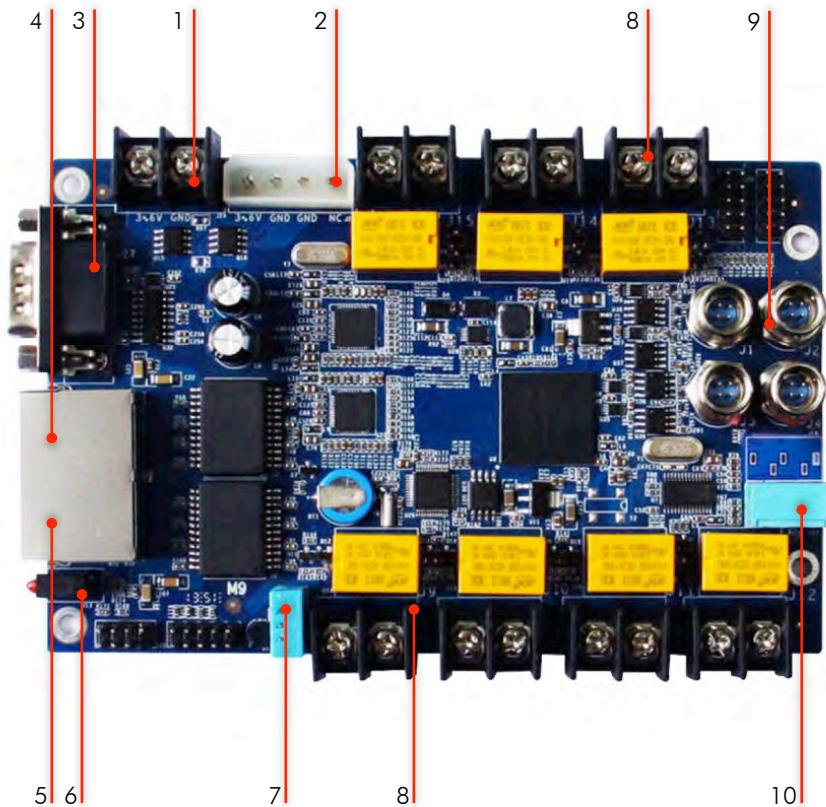
### ENVIRONMENT MONITORING

Temperature	Support
Humidity	Support (Optional)
Smoke	Support (Optional)

### SPECIAL FUNCTION

Audio Transmission	Support (Optional, need the special sending card)
--------------------	---

# iM9 Multifunction Card

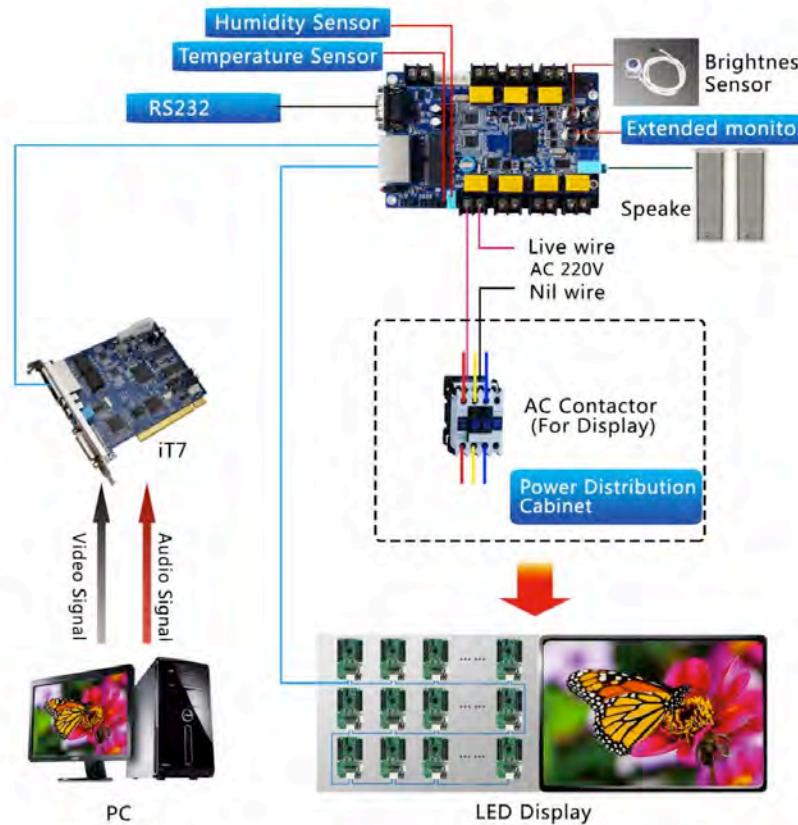


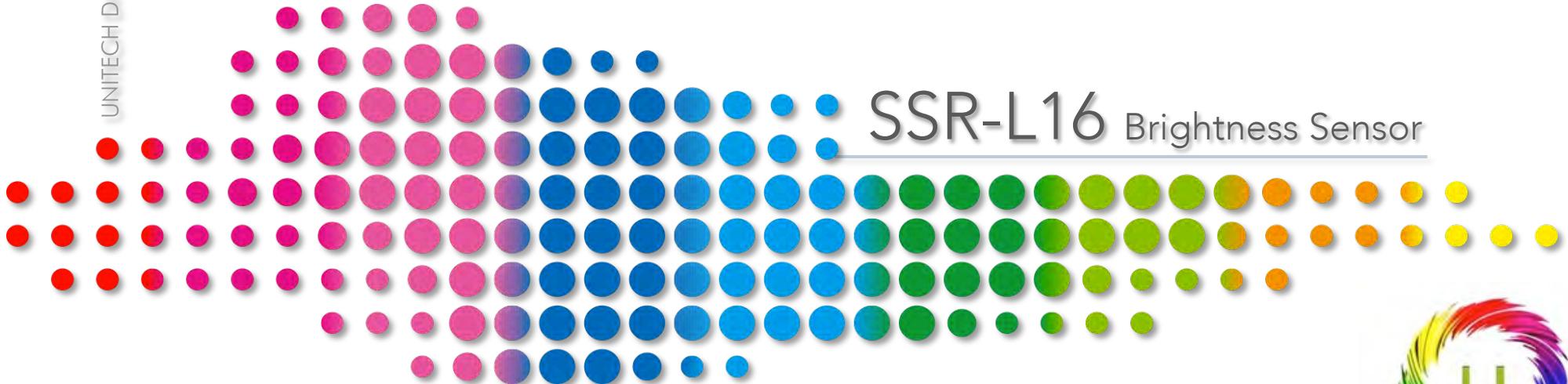
## INTERFACE DESCRIPTION

1	Power 1	Connect DC 3.3-6V power supply for the multi-function card.	Only one is used.
2	Power 2	Connect DC 3.3-6V power supply for the multi-function card.	
3	RS232	For equipment commissioning	
4	Ethernet port A	Connected to sending card	The Ethernet port A and B can achieve import/export at random, which can be identified in an intelligent way.
5	Ethernet port B	Connected to receiving card	
6	Indicator	Indicate power and signal working status	Red lamp for power supply, and green for data signal
7	Temperature sensor	Monitor the real-time environmental temperature. That can be used to control the switches of air conditioning or radiator fan.	
8	switches for power control	Used for remote power control. power-on or off delay – Therein, These four switches, J9-J12, can be turn on or off automatically linkage delay, to reduce the impact of the grid. J13-J15 can be individually controlled by different sensor for voltage, humidity, smoke, Temperature, and the others needed.	(Attention the maximum current limit).
9	Extended monitoring interfaces	Can be used to monitor the voltage, humidity, smoke, and other sensor needed.	Custom-made needed. If you really need to use them, please consult with our technicians.
10	Audio	Used to broadcast the audio from the sending card, which can be translated by the internet cable.	

# iM9 Multifunction Card

## CONNECTION DIAGRAM



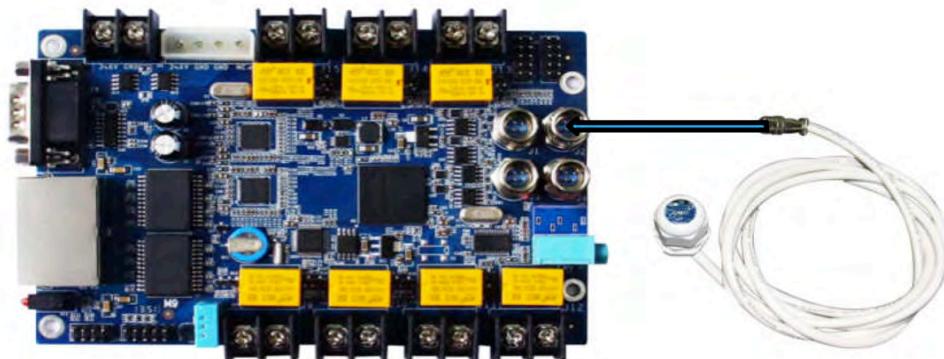


# SSR-L16 Brightness Sensor

- Monitor environmental brightness, and auto adjust the brightness of LED display according to environmental brightness value and brightness adjustment strategy set up before, to achieve the aim of environmental protection and ensuring best viewing effect;
- Connect with iM9 multifunction card with 4 optional extended interfaces;
- Standard wire length: 5 meter, can be lengthened;
- For outdoor use, three proofing properties included;
- Do not require an external power supply;
- Appearance size: Ø32\*41.



## HARDWARE CONNECTION



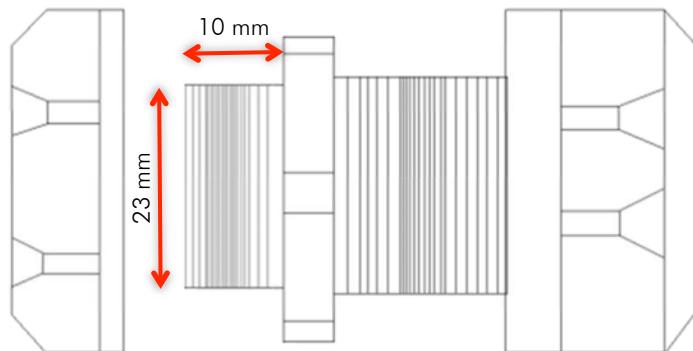
# SSR-L16 Brightness Sensor

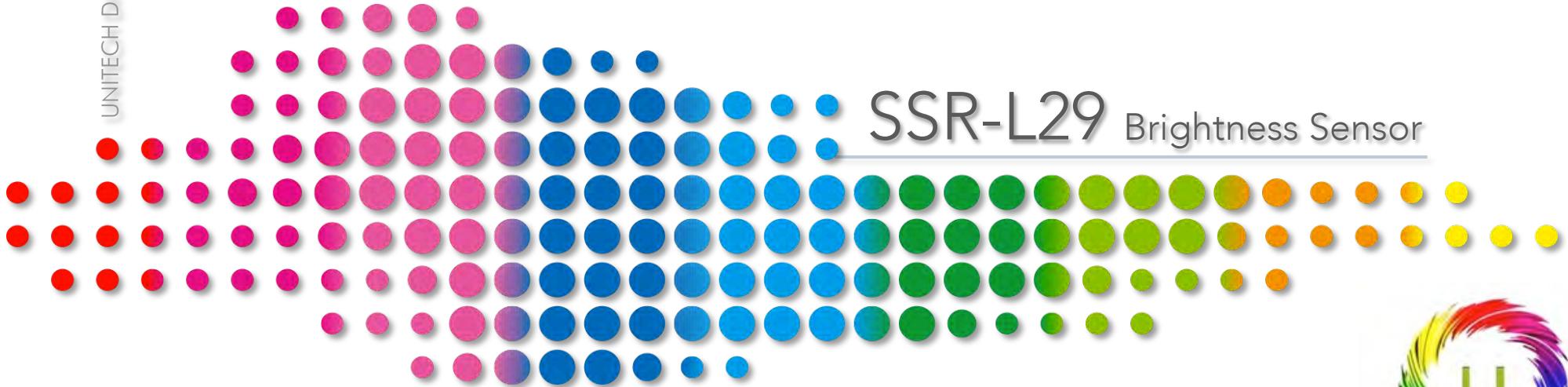
## FEATURES

Rated voltage	5V
Working temperature	-20°C—75°C
Working humidity	0—99%
Brightness range	0—65535 lux

## SSR-L16 Brightness Sensor

**ORDER CODE:** UNIPROSSRL16





## SSR-L29 Brightness Sensor

---

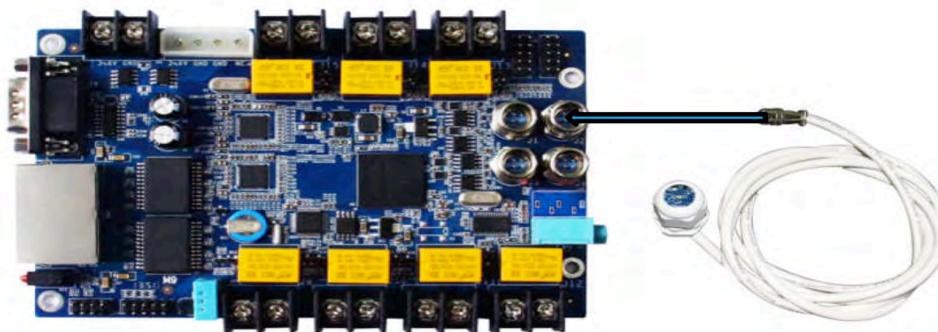


# SSR-L29 Brightness Sensor

- Monitor environmental brightness, and auto adjust the brightness of LED display according to environmental brightness value and brightness adjustment strategy set up before, to achieve the aim of environmental protection and ensuring best viewing effect;
- Connect with iM9 multifunction card with 4 optional extended interfaces;
- Standard wire length: 5 meter, can be lengthened;
- For outdoor use, three proofing properties included;
- Do not require an external power supply;
- Appearance size: Ø45\*50.



## HARDWARE CONNECTION



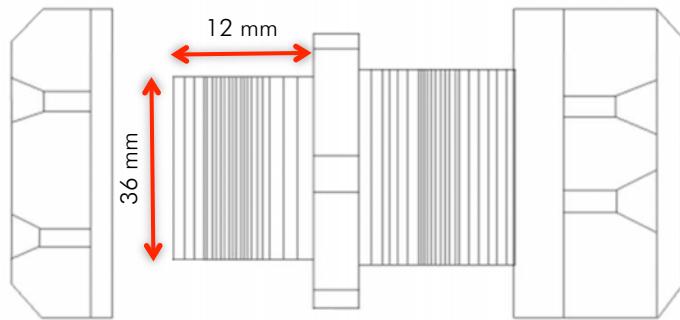
# SSR-L29 Brightness Sensor

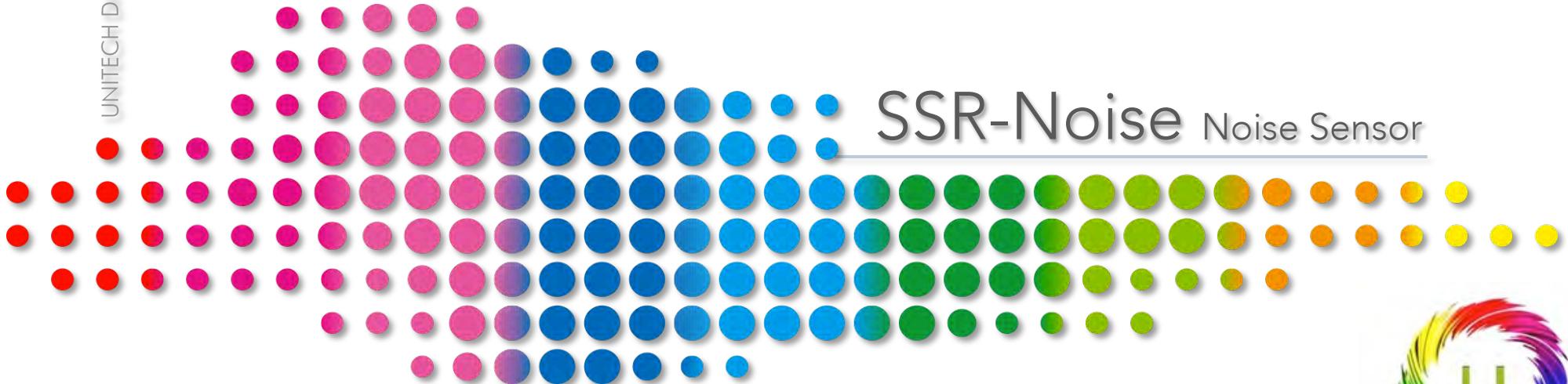
## FEATURES

Rated voltage	5V
Working temperature	-20°C—75°C
Working humidity	0—99%
Brightness range	0—65535 lux

## SSR-L29 Brightness Sensor

**ORDER CODE:** UNIPROSSRL29





## SSR-Noise Noise Sensor

---



# SSR-NOISE Noise Sensor

- Adopt direct-reading decibel noise level detection module developed by the original imported sound sensor;
- Multi-points calibration craft with high detection accuracy and sensitivity;
- Unique stainless steel probe packaged separately, available for embedding other equipment;
- Core components of circuits of the main board are totally shielded for beauty and strong anti-interference capability;
- Various output types (TTL/I2C, 485 interface of standard Modbus Rtu protocol) are reserved for all kinds of application integrations;
- Standard wire length: 5 meter.



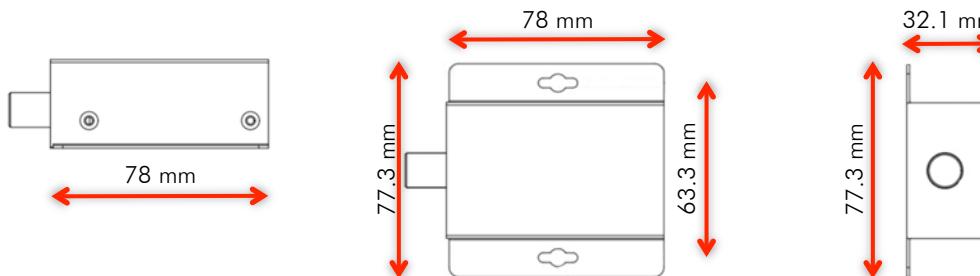
# SSR-NOISE Noise Sensor

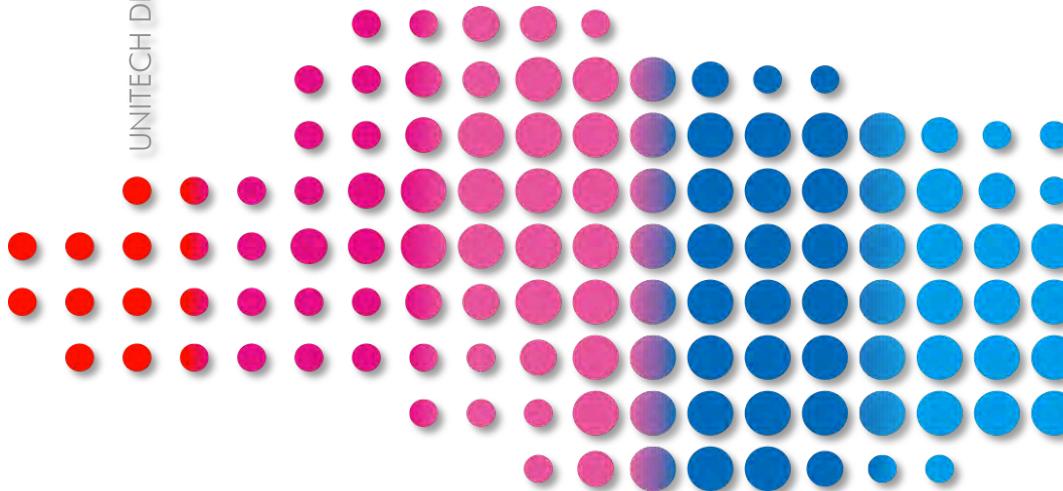
## FEATURES

Size	78×77.3x32.1mm
Weight	50g
Interface spec	XH2.54 (4pin)
Storage condition	-40~70°C(-40~158°F)
IP grade	IP20
Response time	<3s
Stability	<2%
Air pressure	65KPa~108KPa
Power supply	5/12VDC
Power consumption	0.1W/average
Measuring range	30~120dB
Frequency	20Hz~12.5kHz
Output type	TTL/IIC/RS485
Maximum error	0.5dB
Working temperature	-20°C~70°C
Relative humidity	25%~90%

## SSR-NOISE Noise Sensor

**ORDER CODE:** UNIPROSSRNOISE

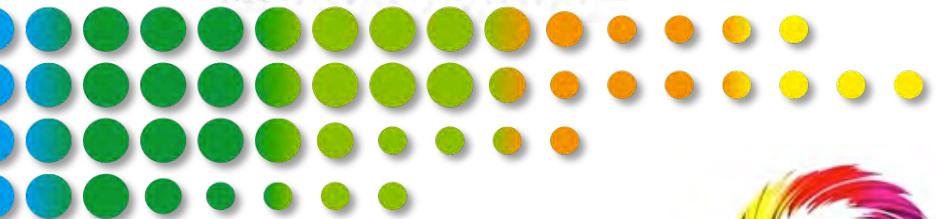


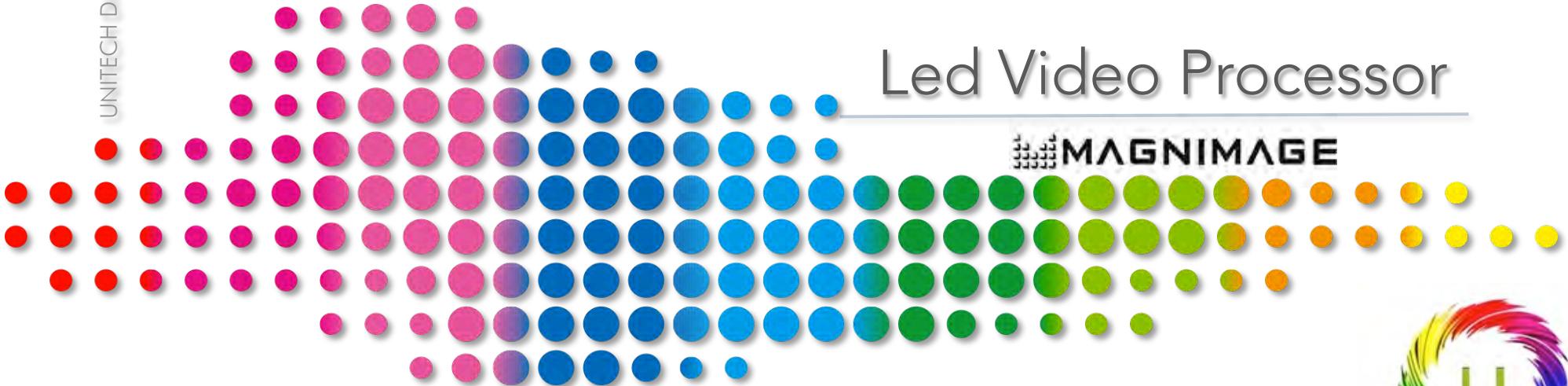


## Control System

---

MAGNIMAGE





## Led Video Processor

---

MAGNIMAGE



# Led Video Processors

## BORN FAR LARGE LED SCREEN

Magnimage LED video processors are developed for large LED screen display system, there are Numerous models of processor wildly use in stage rental, radio and television systems, variety show, product release, commercial applications, wedding etiquette and so on.

Magnimage using the industry's top image processing chip, advanced motion picture adaptive processing technology, it can eliminate the video image movement trailing and sawtooth, makes the image details clearer and richer in color. With advanced image scaling technology and strong capacity, Magnimage video processors are several times better than ordinary video processors, which support customize input/ output resolution, EDID management and simple splicing, can cascade with same model products, to realize big resolution splicing easily.

Integrated numerous professional input ports, like DVI, HDMI, DP and SDI (loop) etc. which support VGA, DVI, SDI, DP expansion ports, support network, USB and RS232 serial for conveniently control among multiple video equipment.



# Led Video Processors

INPUT INDEX									Note: *optional
TYPE	LED-780H	LED-783H	LED-580F	LED-572E	LED-550D	LED-760H	LED-500C	LED-500B	
AV	-	-	2	2	2	-	2	1	
VGA	2*	2*	1	1	2	2*	1	1	
DVI	2+2*	2+2*	1	1	1	2+2*	1	1	
SDI	1+2*	1+2*	1*	1*	1*	2*	1*	-	
HDMI	2+1*	2+1*	1	1	1	2+1*	1	1	
DP	1+1*	1+1*	1	1	1	1+1*	-	-	
AUDIO	-	-	4	-	-	-	-	-	

OUTPUT INDEX									Note: *optional
VGA	-	-	1	1	1	-	1	-	
DVI	4x2	4x2	2x1	2x2	2	4x2	2	2	
SDI	-	-	1*	1*	-	-	-	-	
DP (OUTPUT/LOOP)	1	1	1	1	-	1	-	-	
DVI LOOP	2*	2*	-	-	1	2*	-	-	
SDI LOOP	1+2*	1+2*	1*	1*	1*	2*	1*	-	
AUDIO	-	-	1	-	-	-	-	-	
MONITORING	1*	1*	1*	1*	-	-	-	-	

MACHINE SPECIFICATION									
POWER SUPPLY	100-240 AC 50/60Hz								
POWER CONSUMPTION	55W	55W	40W	40W	20W	55W	20W	20W	
OPERATION TEMPERATURE	0-45°C								
SIZE	482x452x66.75mm	482x452x66.75mm	482x301.3x66.8mm	482.6x304x88mm	483x288x54.5mm	482.6x452x66.7mm	482x257x44.45mm	482x240.5x44.5mm	
WEIGHT	6Kg	6Kg	4.7Kg	4.5Kg	2.6Kg	6Kg	3.7Kg	3Kg	
CERTIFICATE	FCC,CE, RoHS, CCC, kC								

# LED-780H Processor


**INPUT INDICATION**

	LED-780H
VGA	2*
DVI	2+2*
SDI	1+2*
HDMI	2+1*
DP	1+1*

**OUTPUT INDICATION**

DVI	4x2
DP (OUTPUT/LOOP)	1
DVI LOOP	2*
SDI LOOP	1+2*
MONITORING	1*

**MACHINE SPECIFICATION**

Power Supply	100-240 AC 50/60Hz
Power Consumption	55W
Operation Temperature	0-45°C
Size	482x452x66.75mm
Weight	6Kg

**FEATURES**

- 4 screens mosaic by 1 processor, 9 million pixels
- 4 windows output, support 4 independent signals
- Output monitoring (optional)
- Mixed matrix input, seamless switching between 8 outputs
- Preview switching
- Customize input/output resolution
- Multiple cascade
- Rotary output
- Genlock output and loop
- Save and load presets
- Extendable input signal
- Low latency ( 16ms@60Hz )

**LED-780H Processor**

**SIZE:** 18.97"x17.79"x2.62" (482x452x66.75mm)

**WEIGHT:** 13.22 lb (6 kg)

**ORDER CODE:** UNIPRO780H



# LED-783H Processor


**INPUT INDICATION**

	LED-783H
VGA	2*
DVI	2+2*
SDI	1+2*
HDMI	2+1*
DP	1+1*

**OUTPUT INDICATION**

DVI	4x2
DP (OUTPUT/LOOP)	1
DVI LOOP	2*
SDI LOOP	1+2*
MONITORING	1*

**MACHINE SPECIFICATION**

Power Supply	100-240 AC 50/60Hz
Power Consumption	55W
Operation Temperature	0-45°C
Size	482x452x66.75mm
Weight	6Kg

**FEATURES**

- 4 screens mosaic by 1 processor, 9 million pixels
- 4 windows output, support 4 independent signals
- Output monitoring
- Mixed matrix input, seamless switching between 8 outputs
- Preview switching
- Customize input/output resolution
- Multiple cascade
- Rotary output
- Genlock output and loop
- Save and load presets
- Extendable input signal
- Low latency ( 16ms@60Hz )

**LED-783H Processor**

**SIZE:** 18.97"x17.79"x2.62" (482x452x66.75mm)

**WEIGHT:** 13.22 lb (6 kg)

**ORDER CODE:** UNIPRO783H



# LED-580F Processor



## INPUT INDICATION

	LED-580F
AV	2
VGA	1
DVI	1
SDI	1*
HDMI	1
DP	1
AUDIO	4

## OUTPUT INDICATION

VGA	1
DVI	2x1
SDI	1*
DP (OUTPUT/LOOP)	1
SDI LOOP	1*
AUDIO	1
MONITORING	1*

## MACHINE SPECIFICATION

Power Supply	100-240 AC 50/60Hz
Power Consumption	40W
Operation Temperature	0-45°C
Size	482x301.3x66.8mm
Weight	4.7Kg

## FEATURES

- 4K input/output
- Customize input/output resolution Support DP input/output
- Support PIP/POP
- Support extended input/output port
- 2 screens mosaic by 1 processor, support multiple cascade Preview switching
- 4 audio inputs (including 1 HDMI)
- Support SDI input/output(optional)

## LED-580F Processor

**SIZE:** 18.97"x11.86"x2.62" (482x301.3x66.8mm)

**WEIGHT:** 10.36 lb (4.7 kg)

**ORDER CODE:** UNIPRO580F



# LED-572E Processor


**INPUT INDICATION**

	LED-580F
AV	2
VGA	1
DVI	1
SDI	1*
HDMI	1
DP	1

**OUTPUT INDICATION**

VGA	1
DVI	2x2
SDI	1*
DP (OUTPUT/LOOP)	1
SDI LOOP	1*
MONITORING	1*

**MACHINE SPECIFICATION**

Power Supply	100-240 AC 50/60Hz
Power Consumption	40W
Operation Temperature	0-45°C
Size	482.6x304x88mm
Weight	4.5Kg

**FEATURES**

- 4K input/output
- Customize input/output resolution Support DP input/output
- Support PIP/POP
- Support extended input/output port
- 2 screens mosaic by 1 processor, support multiple cascade Preview switching
- Built in 4 sending card slots
- Support SDI input/output(optional)

**LED-572E Processor**

**SIZE:** 19"x11.96"x3.46" (482.6x304x88mm)

**WEIGHT:** 13.22 lb (4.5 kg)

**ORDER CODE:** UNIPRO572E



# LED-550D Processor


**INPUT INDICATION**

	LED-580F
AV	2
VGA	2
DVI	1
SDI	1*
HDMI	1
DP	1

**OUTPUT INDICATION**

VGA	1
DVI	2
DVI LOOP	1
SDI LOOP	1*

**MACHINE SPECIFICATION**

Power Supply	100-240 AC 50/60Hz
Power Consumption	20W
Operation Temperature	0-45°C
Size	483x288x54.5mm
Weight	2.6Kg

**FEATURES**

- Seamless mosaic
- Fade input/output
- Input signal hot backup
- Customize DVI input resolution
- Customize output resolution
- Dual Channel image crop
- Dual image
- Multiple cascade
- SDI input (optional)

**LED-550D Processor**

**SIZE:** 19.01"x11.33"x2.14" (483x288x54.5mm)

**WEIGHT:** 5.73 lb (2.6 kg)

**ORDER CODE:** UNIPRO550D



# LED-760H Processor


**INPUT INDICATION**

	LED-760H
VGA	2*
DVI	2+2*
SDI	2*
HDMI	2+1*
DP	1+1*

**OUTPUT INDICATION**

DVI	4x2
DP (OUTPUT/LOOP)	1
DVI LOOP	2*
SDI LOOP	2*

**MACHINE SPECIFICATION**

Power Supply	100-240 AC 50/60Hz
Power Consumption	55W
Operation Temperature	0-45°C
Size	482.6x452x66.75 mm
Weight	6Kg

**FEATURES**

- 4 screens mosaic by 1 processor, 9 million pixels
- 4 windows output, support 4 independent signals
- Mixed matrix input, seamless switching between 7 outputs Preview switching
- Customize input/output resolution
- Multiple cascade
- Rotary output
- Save and load presets Extendable input signal
- Low latency (16ms@60Hz)

**LED-760H Processor**

**SIZE:** 19"x17.79"x2.62" (482.6x452x66.75mm)

**WEIGHT:** 13.22 lb (6 kg)

**ORDER CODE:** UNIPRO760H



# LED-500C Processor


**INPUT INDICATION**

	LED-500C
AV	2
VGA	1
DVI	1
SDI	1*
HDMI	1

**OUTPUT INDICATION**

VGA	1
DVI	2
SDI LOOP	1*

**MACHINE SPECIFICATION**

Power Supply	100-240 AC 50/60Hz
Power Consumption	20W
Operation Temperature	0-45°C
Size	482x257x44.45mm
Weight	3.7Kg

## FEATURES

- Seamless mosaic
- Dual image
- Fade in/out
- Multi-template application
- Input signal hot backup
- Accurate brightness control
- RS232 control
- SDI input(optional)

**LED-500C Processor**

**SIZE:** 18.97"x10.11"x1.75" (482x257x44.45mm)

**WEIGHT:** 8.15 lb (3.7 kg)

**ORDER CODE:** UNIPRO500C



# LED-500B Processor



## INPUT INDICATION

	LED-500C
AV	1
VGA	1
DVI	1
HDMI	1

## OUTPUT INDICATION

DVI	2
-----	---

## MACHINE SPECIFICATION

Power Supply	100-240 AC 50/60Hz
Power Consumption	20W
Operation Temperature	0-45°C
Size	482x240.5x44.5mm
Weight	3Kg

## FEATURES

- Image crop
- Part/Full screen
- Image freeze
- Two sending card
- Multi-template application
- DVI enhancement technology
- Zoom function

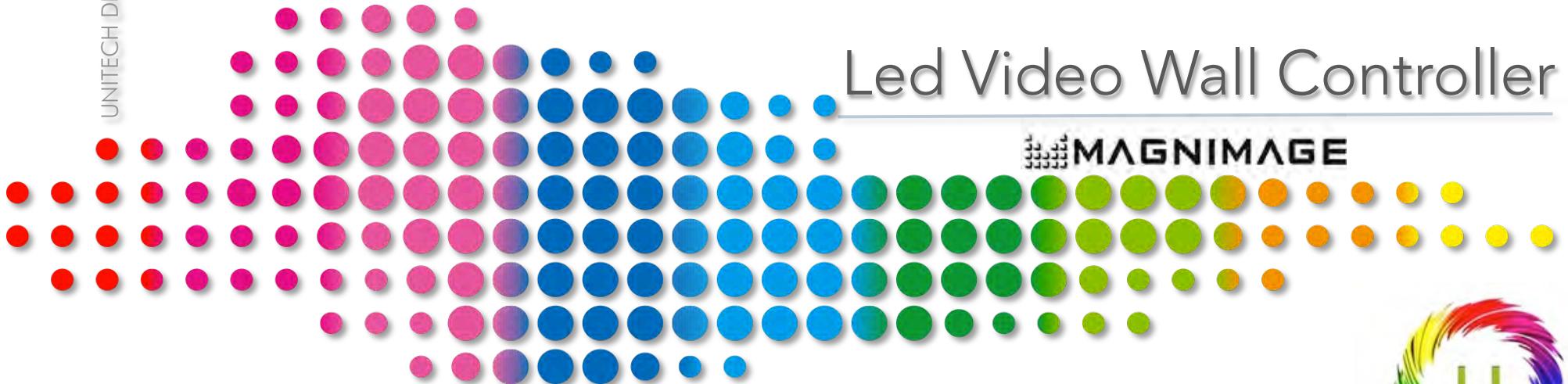
## LED-500B Processor

**SIZE:** 18.97"x9.46"x1.75" (482x240.5x44.5mm)

**WEIGHT:** 6.61 lb (3 kg)

**ORDER CODE:** UNIPRO500B





# LED Video Wall Processor

## THE KING OF VIDEO AND IMAGE MOSAIC

Cyclone video wall controller is a high-performance image processing device with pure hardware architecture, which is specially designed for LED video wall with small pixel pitch. Cyclone video wall controller can realize seamless splicing and multi-layers functions, and it can be used in security monitoring, administration, military, exhibition, research and education. Cyclone video wall controller adopts hardware architecture on basis of high speed and capable FPGA array, and digital bus matrix. For all kinds of inputs sources, cyclone series video wall controller ensures original signal recovery by adopting RGB 24bits/ 60Hz internal processors, ensures high quality image output without delay and supports seamless splicing for multi-screens outputs by using a built-in-high-performance image scaling engine.

It adopts dual-DVI copy output, one DVI is for screen, another DVI is for monitor, or two outputs to sending card together, support sending cards cascade, custom output resolution, adopting to a variety of LED screen resolution to achieve pixel to pixel mosaic display. It supports different pixel pitch LED mosaic at the same time. All output ports can be built-in pixel to pixel display of HD background.



# MIG-CL9000 series Controller

MIG-CL9000 series is a powerful video wall controller, it is the central processor device for big screen splicing system, to achieve different formats input sources to be displayed in multiple display terminals, functions include arbitrary splice, zooming, windows, overlap, etc. It adopts high speed FPGA and number bus matrix as the basic hardware structure, and has laid a stable advantage, at the same time it adopts RGB 24 BIT/60Hz real time processing internally, ensuring signal high reduction performance; the internal high performance zooming engine supports multi-screen output seamless splicing, ensuring output image clear, smooth, no delay. Depth module design supports AV, VGA, DVI, HDMI, SDI, IP, DP(4K) inputs, to achieve input signal EDID management. Output customized resolution is for all kinds of LED pixel to pixel splicing display. All series products are equipped with after sales support module, supporting USB upgrade and network, RS232 serial port control, convenient for technical support and after sales maintenance. System configuration is flexible, the input and output is available for different choices, currently 3U,4U,8U cabinets are for choosing. MIG-CL9000 series is widely used in multi-media conference hall, multi-function room, directing and dispatching center, inspection center, theater, television studio, exhibition hall in government, traffic, hydropower, medicare, education, radio and television, malls and various industries.



## FEATURES

- PURE HARDWARE BUILD-UPS
- 4 SEPARATED LAYERS PER OUTPUT
- OVER 8 TIMES SCALING
- SPLICE LED WALL OF DIFFERENT PIXEL PITCH
- INTERNAL 24 BIT RGB PROCESSING
- 60HZ REAL TIME PROCESSING
- INPUT EDID
- 4KX2K INPUT
- REAL TIME SEAMLESS SWITCHING
- LAYER GROUPING
- LAYER SEAMLESS SWITCHING
- 9 WINDOW OUTPUT PER CHANNEL
- EASY CHANGE FOR THE WINDOWS SIZE AND POSITION FULL SCREEN ROAMING
- CUSTOMIZED OUTPUT RESOLUTION
- INPUT/OUTPUT MONITORING
- HIGH DEFINITION BACKGROUND OF PIXEL TO PIXEL DISPLAY
- DUAL POWER SUPPLY BACKUP
- OPERATION'S REAL TIME MONITORING
- REAL TIME IP MONITORING
- PROJECTOR EDGE BLENDING SPLICING

# MIG-CL9000 series Controller

## CHASSIS TYPE AND SPECIFICATION

TYPE	MIG-CL9003-A	MIG-CL9004-A	MIG-CL9008-A	MIG-CL9014-A	MIG-CL9019-A
Input ports quantity	5	8	9	18	36
Output ports quantity	4	4	11	18	18
Control board quantity	1	1	1	1	1

## MACHINE SPECIFICATION

Power supply	100-240 AC 50/60Hz	100-240 AC 50/60Hz	100-220 AC 50/60Hz	100-240 AC 50/60Hz	100-240 AC 50/60Hz
Power consumption	max 180W	max 350W	max 650W	max 1900W	max 2500W
Operation temperature	0-45°C	0-45°C	0-45°C	0-45°C	0-45°C
Product dimension	482.6x371x133mm	482.6x371x177mm	482.6x355x430.5mm	482.6x576.5x597.7mm	482.6x576.5x833.6mm
Net weight	9.6Kg	11Kg	18.85Kg	40Kg	55Kg

## CARD TYPE AND SPECIFICATION

INPUT CARD TYPE	PORTS	QUANTITY	SPECIFICATION
MIG-CL9000-INAV	AV	8	PAL, NTSC
MIG-CL9000-INVGA	VGA	4	VESA
MIG-CL9000-INDVI	DVI	4	VESA, support EDID
MIG-CL9000-INSDI	SDI	4	480i, 576i, 720p, 1080i/p(3G SDI)
MIG-CL9000-INHDMI	HDMI	4	HDMI-1.3
MIG-CL9000-INDP	DP	2	DP 1.2 3840x2160/30 Hz
MIG-CL9000-INIP	IP	2	H. 264
MIG-CL9000-INSDIVGA	SDI,VGA	SDIx2, VGAx2	SDI support 480i, 576i, 720p, 1080i/p(3G SDI) VGA support VESA
OUTPUT CARD TYPE	PORTS	QUANTITY	SPECIFICATION
MIG-CL9000-OUTDVI-A	DVI	2x2	1024x768/60Hz 1366x768/60Hz 1440x900/60Hz 1440x1440/60Hz 1280x1024/60Hz 1680x1050/60Hz 1600x1200/60Hz 1920x1080/60Hz 2560x816/60Hz Maximum customized horizontal output resolution: 2560 Maximum customized vertical output resolution: 2560
MIG-CL9000-OUTDVI-B	DVI	4x1	
MIG-CL9000-OUTIP	IP	1	Real time IP monitoring

## OPERATING INTERFACE



3 control modes includes computer host control, Ipad control, and key control.

Computer host control : Achieved by connecting the machine with a computer via network cable or RS232 cable. Any operation will be done through the host software.

Ipad control: Achieved by the software designed for Ipad.

Key control: To control and select all the template manually.

# MIG-CL9003 Controller



## CHASSIS TYPE AND SPECIFICATION

	MIG-CL9003-A
Input ports quantity	5
Output ports quantity	4
Control board quantity	1
Power supply	100-240 AC 50/60Hz
Power consumption	max 180W
Operation temperature	0-45°C
Size	482.6x371x133mm
Weight	9.6Kg

## MIG-CL9003-A Controller

**SIZE:** 19"x14.6"x5.23" (482.6x371x133mm)

**WEIGHT:** 21.16 lb (9.6 kg)

**ORDER CODE:** UNIPROMIGCL903

## INCLUDING ACCESSORIES

Power Cable	1
USB Memory	1
DVI Cable	2
Certificate	1
Cable	2
User Manual	1

## INTERFACE DESCRIPTION

1	LCD Screen: display the machine's status information, including input/output board, hardware version, temperature, network setting, etc.
2	Functions Button: Button 1-10 are for machine's setting like IP, subnet mask, mode shifting.
3	Menu Operation: "OK";<- and the Rotate key are used to read the menu on the LCD screen.
4	4x DVI inputs
5	4x SDI inputs
6	4x VGA inputs
7	4x HDMI inputs
8	2x DP inputs
9	4x DVI outputs
10	Frame lock plugs
11	RS 232 Control Port
12	USB Upgrade Port
13	LAN

# MIG-CL9004 Controller



## CHASSIS TYPE AND SPECIFICATION

	MIG-CL9004-A
Input ports quantity	8
Output ports quantity	4
Control board quantity	1
Power supply	100-240 AC 50/60Hz
Power consumption	max 350W
Operation temperature	0-45°C
Size	482.6x371x177mm
Weight	11Kg

## MIG-CL9004-A Controller

**SIZE:** 19"x14.6"x6.96" (482.6x371x177mm)

**WEIGHT:** 24.25 lb (11 kg)

**ORDER CODE:** UNIPROMIGCL904

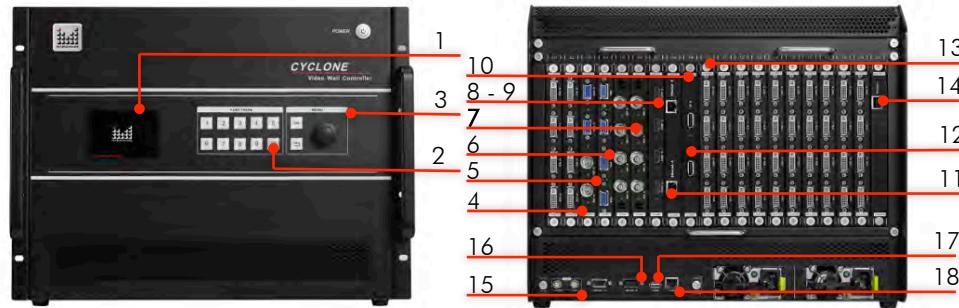
## INCLUDING ACCESSORIES

Power Cable	2
USB Memory	1
DVI Cable	2
Certificate	1
Cable	2
User Manual	1

## INTERFACE DESCRIPTION

1	LCD Screen: display the machine's status information, including input/output board, hardware version, temperature, network setting, etc.
2	Functions Button: Button 1-10 are for machine's setting like IP, subnet mask, mode shifting.
3	Menu Operation: "OK", "<->" and the Rotate key are used to read the menu on the LCD screen.
4	4x DVI inputs
5	2x SDI inputs, 2x VGA inputs
6	4x VGA inputs
7	4x SDI inputs
8	4x HDMI inputs
9	2x Network inputs
10	2x DP inputs
11	8x AV inputs
12	4x DVI outputs
13	IP monitoring
14	Frame lock plugs
15	RS 232 Control Port
16	USB Upgrade Port
17	LAN

# MIG-CL9008 Controller



## CHASSIS TYPE AND SPECIFICATION

	MIG-CL9008-A
Input ports quantity	9
Output ports quantity	11
Control board quantity	1
Power supply	100-220 AC 50/60Hz
Power consumption	max 650W
Operation temperature	0-45°C
Size	482.6x355x430.5mm
Weight	18.85Kg

## MIG-CL9008-A Controller

**SIZE:** 19"x13.97"x16.94" (482.6x355x430.5mm)

**WEIGHT:** 41.55 lb (18.85 kg)

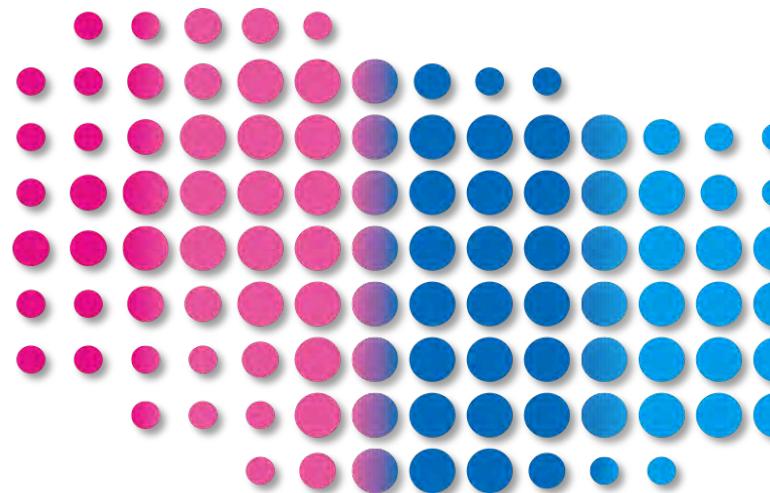
**ORDER CODE:** UNIPROMIGCL908

## INCLUDING ACCESSORIES

Power Cable	2
USB Memory	1
DVI Cable	2
Certificate	1
Cable	2
User Manual	1

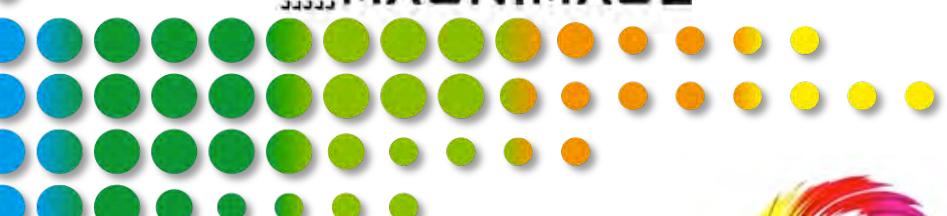
## INTERFACE DESCRIPTION

1	LCD Screen: display the machine's status information, including input/output board, hardware version, temperature, network setting, etc.
2	Functions Button: Button 1-10 are for machine's setting like IP, subnet mask, mode shifting.
3	Menu Operation: "OK", "<-" and the Rotate key are used to read the menu on the LCD screen.
4	4x DVI inputs
5	4x DVI inputs
6	2x SDI inputs, 2x VGA inputs
7	4x VGA inputs
8	4x SDI inputs
9	4x SDI inputs
10	4x HDMI inputs
11	2x IP monitoring
12	2x DP inputs
13	4x DVI outputs
14	IP monitoring
15	Frame lock plugs
16	RS 232 Control Port
17	USB Upgrade Port
18	LAN



## Video Seamless Switcher

MAGNIMAGE



# Video Seamless Switcher

MAKE WONDERFUL VIDEO AND IMAGE CHANGING RAPIDLY

Video switcher manufactured by MIG, designed to solve the problem of seamless switching in the process of video image display. Video switcher adopts hardware architecture on basis of high speed and capable FPGA array, and digital bus matrix. Video switcher ensures original signal recovery by adopting RGB 24bits/60Hz internal processors, ensures high quality image output without delay and supports seamless splicing for multi-screens outputs by using a built-in-high-performance image scaling engine. When host works with console, it realizes multi-layer and multi-scene switching, backup etc function, and it is widely applied in auto show, conference products launching, and stage show etc events.



# Video Seamless Switcher

## INPUT INDEX

TYPE	MIG-620C	MIG-630C	MIG-V4-E	MIG-V2-E
AV	2	6	-	-
VGA	4	6	2	2
DVI	4	4	8	4
SDI	2*	2*	2	2

## OUTPUT INDEX

PGA	VGA	1	1	-	-
	DVI	1	1	2x2	1x2
PRW	VGA	1	2	-	-
	DVI	1	2	2x2	1x2

## MACHINE SPECIFICATION

POWER SUPPLY	100-240 AC 50/60Hz	100-240 AC 50/60Hz	100-240 AC 50/60Hz	100-240 AC 50/60Hz
POWER CONSUMPTION	75W	80W	260W	160W
OPERATION TEMPERATURE	0-45°C	0-45°C	0-45°C	0-45°C
SIZE	482x401.2x88.5mm	482x402x133.4mm	482.6x371.3x177mm	482x371x133mm
WEIGHT	6.3Kg	5.7Kg	14.6Kg	12.6Kg
EXPLANATION			V 4 standard configuration is 12 inputs (selected), the maximum extended can be 20	V2 standard configuration is 8 inputs (selected), the maximum extended can be 12
CERTIFICATE	FCC,CE, RoHS, CCC	FCC,CE, RoHS, CCC	FCC,CE, RoHS, CCC	FCC,CE, RoHS, CCC

# MIG-630C Switcher


**INPUT INDICATION**

	MIG-630C
AV	6
VGA	6
DVI	4
SDI	2*

**OUTPUT INDICATION**

PGA	VGA	1
	DVI	1
PRW	VGA	2
	DVI	2

**MACHINE SPECIFICATION**

Power Supply	100-240 AC 50/60Hz
Power Consumption	80W
Operation Temperature	0-45°C
Size	482x402x133.4mm
Weight	5.7Kg

**FEATURES**

- 1 program output, 2 preview output
- Preview switch, fade in/out
- 3 layers
- Support HD LOGO and load
- Customize input source (DVI)
- Support 12 analog/digital signal input (SDI optional) - Multi-Template calling, chroma Key

**MIG-630C Switcher**

**SIZE:** 18.97"x15.82"x5.25" (482x402x133.4mm)

**WEIGHT:** 12.56 lb (5.7 kg)

**ORDER CODE:** UNIPROMIG630C



# MIG-620C Switcher



## INPUT INDICATION

	MIG-620C
AV	2
VGA	4
DVI	4
SDI	2*

## OUTPUT INDICATION

PGA	VGA	1
	DVI	1
PRW	VGA	1
	DVI	1

## MACHINE SPECIFICATION

Power Supply	100-240 AC 50/60Hz
Power Consumption	75W
Operation Temperature	0-45°C
Size	482x401.2x88.5mm
Weight	6.3Kg

## FEATURES

- 1 program output, 1 preview output
- Preview switch, fade in/out
- 3 layers
- Support HD LOGO and load
- Customize input source (DVI)
- Support 12 analog/digital signal input (SDI optional)
- Multi-Template calling, chroma Key

## MIG-620C Switcher

**SIZE:** 18.97"x15.79"x3.48" (482x401.2x88.5mm)

**WEIGHT:** 13.88 lb (6.3 kg)

**ORDER CODE:** UNIPROMIG620C



# MIG-V4 Switcher


**INPUT INDICATION**

	MIG-V4
AV	-
VGA	2
DVI	8
SDI	2

**OUTPUT INDICATION**

PGA	VGA	-
	DVI	2x2
PRW	VGA	-
	DVI	2x2

**MACHINE SPECIFICATION**

Power Supply	100-240 AC 50/60Hz
Power Consumption	260W
Operation Temperature	0-45°C
Size	482.6x371x177mm
Weight	14.6Kg

**FEATURES**

- Two main outputs splicing display ( 3840 x 1080@Hz)
- 1 main output, 1 multi-window preview
- Main output support 4 layers and 1 HD background
- Internal video matrix and up to 20 sources inputs
- Support 20 input signals real-time preview
- Support switching between 8 layers and 8 layers
- Support HD native background capture
- External synchronization and multi-machine cascade
- Projector edge blending splicing
- Work with MIG-H1 console

**MIG-V4 Switcher**

**SIZE:** 19"x14.6"x6.96" (482.6x371x177mm)

**WEIGHT:** 32.18 lb (14.6 kg)

**ORDER CODE:** UNIPROMIGV4



# MIG-V2 Switcher


**INPUT INDICATION**

	MIG-V2
AV	-
VGA	2
DVI	4
SDI	2

**OUTPUT INDICATION**

PGA	VGA	-
	DVI	1x2
PRW	VGA	-
	DVI	1x2

**MACHINE SPECIFICATION**

Power Supply	100-240 AC 50/60Hz
Power Consumption	160W
Operation Temperature	0-45°C
Size	482x371x133mm
Weight	12.6Kg

**FEATURES**

- One program output ( 1920x1080@60Hz)
- One multi-window preview
- Program output support 4 layers and 1 HD background - Support 12 mix video input sources
- Capture function, support chroma key
- Support genlock, multi-machine cascade
- 4 layer to 4 layer switch, various switch effects
- Work together with MIG-H1/MIG-H2

**MIG-V2 Switcher**

**SIZE:** 18.97"x14.6"x5.23" (482x371x133mm)

**WEIGHT:** 27.67 lb (12.6 kg)

**ORDER CODE:** UNIPROMIGV2



# MIG-H1 Console

**MACHINE SPECIFICATION**

Power Supply	100-240 AC 50/60Hz
Power Consumption	25W
Operation Temperature	0-45°C
Size	483x575.8x133.6mm
Weight	10.6Kg

**FEATURES**

- Work with V4 or V2
- Each H 1 control up most 9 sets V4 or V2 or mixed model of them 30 presets, seamless switching between multi-scenes
- T-BAR switch and control
- Support group control of multiple host switchers

**MIG-H1 Console****SIZE:** 19.01"x22.66"x5.25" (483x575.8x133.6mm)**WEIGHT:** 23.36 lb (10.6 kg)**ORDER CODE:** UNIPROMIGH1

# MIG-H2 Console



## MACHINE SPECIFICATION

Power Supply	100-240 AC 50/60Hz
Power Consumption	25W
Operation Temperature	0-45°C
Size	516x320x133.6mm
Weight	6.3Kg

## FEATURES

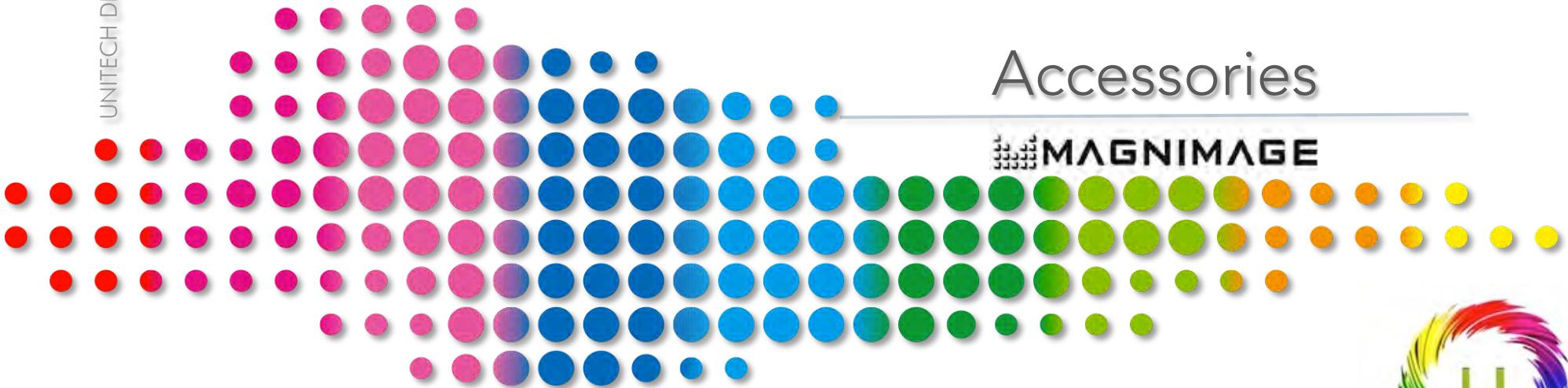
- Work with 1 set or multiple sets of V2 machine
- Each H2 control up most 9 sets V2 machine
- 24 presets, seamless switching between multi-scenes
- T-BAR switch and control support group control of multiple host switchers

## MIG-H2 Console

**SIZE:** 20.31"x12.59"x5.25" (516x320x133.6mm)

**WEIGHT:** 13.88 lb (6.3 kg)

**ORDER CODE:** UNIPROMIGH2



# Video Accessories

## PROVIDE PERFECT VIDEO SOLUTION

We provide various accessories including video converter, splitter, fiber extender, sending card box ect. Combined using with different kinds of video equipment, providing you the perfect video contrai solution and the best video play effect.



# Monitor



## MIG-2521 Monitor



- 140° /120° wide viewing angle
- VGA, DVI, AV multi-input and loop out
- High brightness 400cd/m<sup>2</sup>
- High contrast 500:1

### MIG-2521Monitor

**ORDER CODE:** UNIPROMIG2521

## MIG-2522 Monitor



- 178° /178° wide viewing angle
- AV, YPbPr, SDI, HDMI multi-input and loop out
- High brightness 400cd/m<sup>2</sup>
- High contrast 800:1
- TALLY port

### MIG-2522Monitor

**ORDER CODE:** UNIPROMIG2522

# Format Converter

## MIG-2134 Format Converter



- One SDI input convert to one HDMI output, with one SDI loop out
- One HDMI input convert to two SDI output (two SDI signals are copy mode)
- Built-in audio transmission

## MIG-2134 Format Converter

**ORDER CODE:** UNIPROMIG2134

## MIG-2123 Format Converter



- Support any DVI input resolution
- Various SDI resolution output
- Audio input, built-in SDI output

## MIG-2123 Format Converter

**ORDER CODE:** UNIPROMIG2123

## MIG-2132 Format Converter



- Various SDI input resolution
- Various DVI output resolution (optional)
- Audio output

## MIG-2132 Format Converter

**ORDER CODE:** UNIPROMIG2132

# DVI Splitter

## MIG-224/228 DVI Splitter

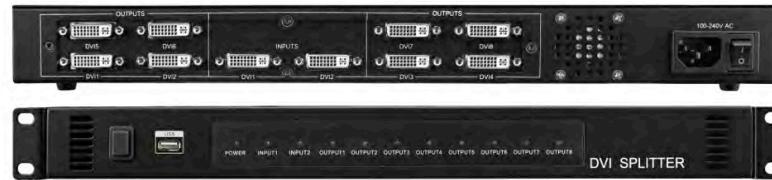


- 2 DVI input, 4/8 DVI output
- Support EDID Management (DVI, HDMI, Study mode)
- Automatic signal backup
- Upper computer operation
- Nondestructive cascade
- LCD screen display
- Button operation
- Support HDCP

## MIG-224/228 DVI Splitter

**ORDER CODE:** UNIPROMIG224228

## MIG-214/218 DVI Splitter



- 2 DVI input, 4/8 DVI output
- EDID management
- Automatic signal backup
- Support HDCP
- Upper computer operation

## MIG-214/218 DVI Splitter

**ORDER CODE:** UNIPROMIG214218

# Sending Box

## MIG-232L Sending Box



- Built-in two sending cards

### MIG-232L Sending Box

**ORDER CODE:** UNIPROMIG232L

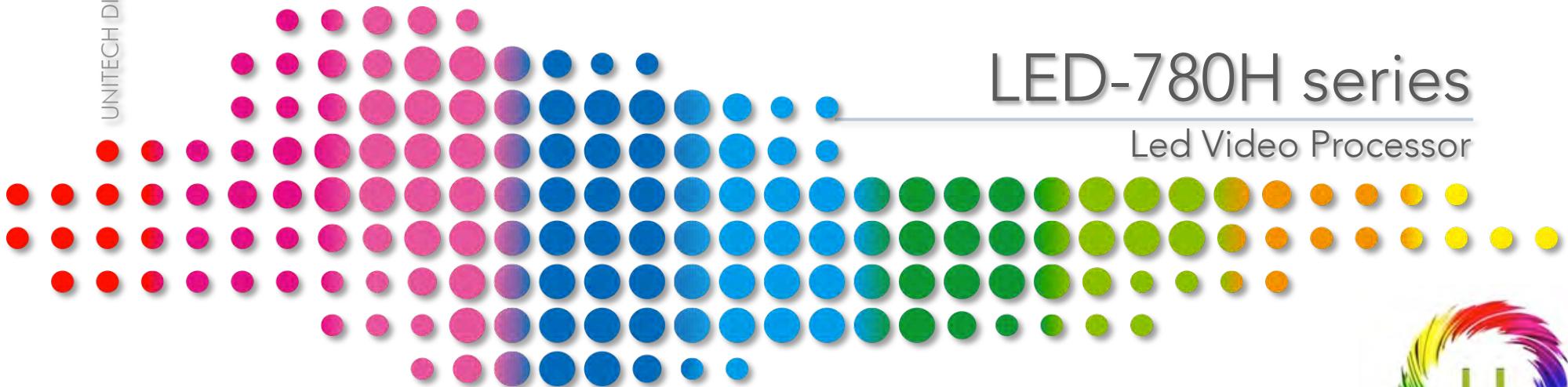
## MIG-239L Sending Box



- Built-in 9 sending cards
- Convenient to connect with video processor

### MIG-239L Sending Box

**ORDER CODE:** UNIPROMIG239L



## LED-780H series

Led Video Processor



# LED-780H series Processor

LED-780, an superior approach to better visual performance for LED walls. It is a 4K x 2K/60Hz capable video processor for 4 screens splicing. With EDID and user-defined output management, it delivers high quality pixel-to-pixel display via its user-friendly controls. It is an ideal choice for multi-media hall, multi-purpose room, theater, studio and showroom. Supporting all kinds of input ports, it outperforms competitor products in terms of loading capacity and broadband utilizing rate {the up-processes width is 15360, and refresh rate reaches up to 121 Hz). Also, 16 selective built-in resolutions allow user to scale and match the real size of LED walls. Input ports include DVIx2, HDMIx2, DPx1 (4K), SDIx1 (with loop function). For extended inputs, user can choose 2 ports from VGA, DVI and SDI or 1 DP. It accepts network linking, USB linking or RS232 linking for different control demands.

## FEATURES

- 4 screens splicing in 1 processor: 8 dvi output ports are divided into 4 groups for horizontal splicing, vertical splicing, same size splicing, and different size splicing. A single unit up-loads 8,000,000 pixels and accepts splicing for 4 screen
- 4 windows output on non-splicing mode, each output is capable of displaying 4 layers with any size or position.
- Output monitoring: real time monitoring can be seen on the computer or monitor after adding an extended module.
- Multiple cascade: machines can be cascaded to realize ultra wide display.
- Built-in input matrix for seamless switching between 8 inputs
- Logo saving
- Image freezing
- Preset saving & loading
- Accurate control for brightness & high grey level
- Serial port for future developing

- More input ports: DVIx2, HDMIx2, DP (4Kx2K)x1, SDI (3g SDIx1, 2 extended 2K Inputs (VGA, DVI OR SDI), or 1 extended DP Inputs (4Kx2K).
- EDID management user-defined input resolution for DP, DVI, HDMI and VGA.
- Rotary output splicing after rotary output
- DP loop 1 DP loop (for any input signal)
- User-defined output resolution
- Image crop
- Task manager
- Internal graphic card for testing
- Computer host control
- Preview switching
- USB upgrade
- Low latency(16ms@60Hz)



# LED-780H series Processor

INPUT INDICATION			User can add 2 X 2K inputs (VGA , DVI, SDI), or one 4K input (DP)
PORTS	QUANTITY	RESOLUTION	
DVI	2	VESA	
DP	1	Displayport1 .1/1.2	
HDMI	2	HDMI 1.3	
SDI	1	480i/60Hz 576i/50Hz 720p/60Hz 1080i/50Hz/60Hz 1080p/50Hz/60Hz(3G SDI)	
EXT.1	1	Extended Input Port 1	
EXT.2	1	Extended Input Port 2	
OUTPUT INDICATION			
PORTS	QUANTITY	RESOLUTION (for each DVI output)	
DVI	4x2	1024x768/60Hz 1280x 1024/60Hz 1024x768/120Hz 1280x720/60Hz 1440x900/60Hz 1600x1200/60Hz 1600x 1200/60Hz- Reduced 1680x 1050/60Hz 1920x1080/60Hz 1920x 1080/50Hz 2176x1168/60Hz 1920x 1200/60Hz 1936x 1280/60Hz 2048x 1152/60Hz 1024x1280/60Hz 1536x 1536/60Hz The user-defined output resolution is 3840 for maximum width or 2160 for maximum height.	
DP LOOP	1	Looping any input signal	
GENLOCK*	1Nx1, OUTx1		
MONITOR*	RJ45x1, DVlx1	Output monitoring to the whole unit	
MACHINE SPECIFICATION			
Power supply		100-240 AC 50/60Hz	
Power consumption		55W	
Operation temperature		0-45°C	
Size		482.6x452x66.75mm	
Weight		6Kg	
INCLUDING ACCESSORIES			
Power Cable		1	
USB Memory		1	
DVI Cable		1	
Certificate		1	
USB Cable		1	
User Manual		1	
DP-DP Cable		1	
RS232 Serial Cable		1	

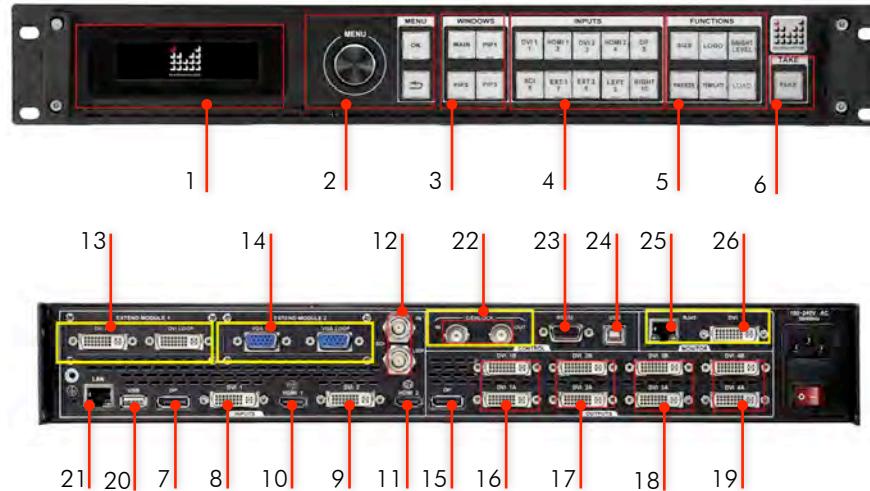


OPERATING INTERFACE



Windows control requires a RS232 or USB cable for operation.  
By manual pressing, button control is a quick access to any setting.

# LED-780H series Processor



## INTERFACE DESCRIPTION BACK PANEL

7	DP input	17	DVI 2 output
8	DVI 1 input	18	DVI 3 output
9	DVI 2 input	19	DVI 4 output
10	HDMI 1 input	20	USB upgrade port
11	HDMI 2 input	21	Network host control port
12	SDI input & loop	22	Genlock input & loop
13	Extended input 1	23	RS 232 control port
14	Extended input 2	24	USB control
15	DP loop	25	Input preview via IP
16	DVI 1 output	26	DVI output monitor

## INTERFACE DESCRIPTION FRONT PANEL

- 1 Screen : The screen tells the current operating details. On default mode, press "OK" or rotate the knob to enter the main menu, where 16 options are shown on 4 pages.
- 2 Operating Keys : Selecting or setting operations will be done with "OK", "OK" and the knob. "←" is for entering the menu or confirming any setting. "←" is for backward. The knob is for selecting or setting.
- 3 Layer Keys : Long press will turn on or turn off the current window. Fast press will choose the selecting window. Also, fast any window and any input at the same time, window switching can be done.
- 4 Input Selecting & Number Keys Together with window keys, window switching can be done by these keys. Also, they can be used as number keys when setting any resolution or other value.
- 5 Shortcut Keys : "SIZE" is for setting the size of an image.  
"LOGO" is for turning on or off the logo.  
"BRIGHT LEVEL" is for setting the brightness.  
"FREEZE" is for freezing an image.  
"TEMPLATE" is for entering fixed templates.  
"LOAD" is for entering user's presets.
- 6 TAKE Function : On switching mode, press "TAKE" to switch from preview to program.

## LED-780H Processor

**SIZE:** 19"x17.79"x2.62" (482.6x452x66.75mm)

**WEIGHT:** 13.22 lb (6 kg)

**ORDER CODE:** UNIPRO780H



# LED-780H series Processor

## SCREENS SPLICING IN 1 PROCESSOR



### SINGLE MACHINE SUPPORTS 4 SCREENS SPLICING

With user-defined input/output resolution and synchronous follow-up function, LED-780H is able to realize pixel-lo-pixel splicing for multiple inputs, or zoom splicing for one single input. As the picture shows, the DP resolution is 3840\*1080/60Hz. By dual DP inputs operating, the processor is able to realize 7680\*1080/60Hz pixel-lo-pixel display.

### USER-DEFINED INPUT/OUTPUT RESOLUTION

With EDID management, LED-780H is able to customize the input resolution of DVI, HDMI and DP. For the output part, there are 16 available fixed resolutions and user-defined output function. In order to adjust pixel-lo-pixel display from different size LED walls, user can also set an accurate resolution.

# LED-780H series Processor

## SCREENS SPLICING IN 1 PROCESSOR



## 4 SCREENS SPLICING IN 1 PROCESSOR

Horizontal splicing, vertical splicing, same size splicing, or different size splicing

# LED-780H series Processor

## 4 INDEPENDENT OUTPUTS

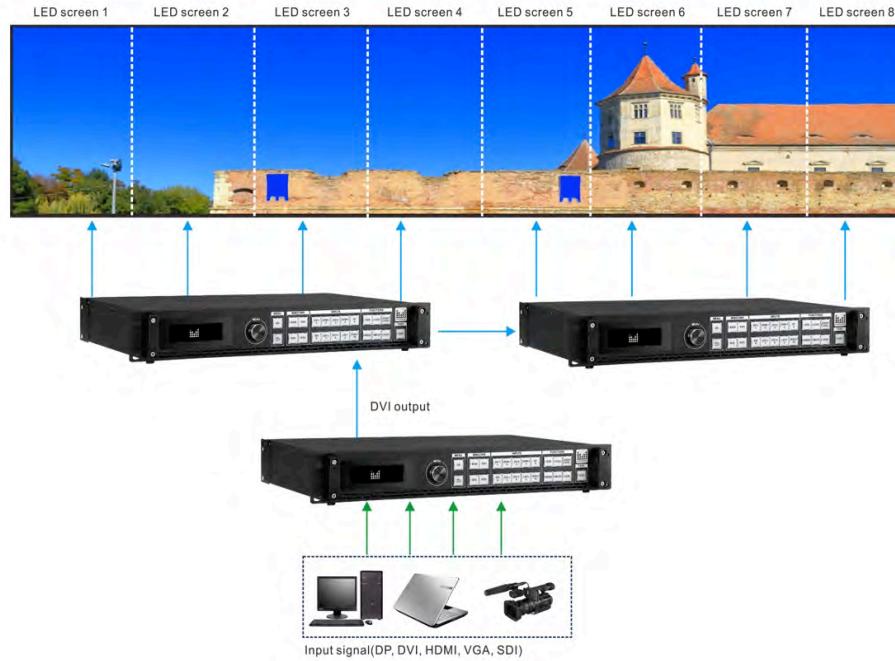


## 4 INDEPENDENT OUTPUTS

The maximum input quantity of one LED-780H is 8. It can be used as matrix of 8 inputs and 4 outputs. It can also control 4 different screens with independent content. Any input can be quickly switched to any output without the black or signal break-off. .

# LED-780H series Processor

## MULTIPLE CASCADE 1

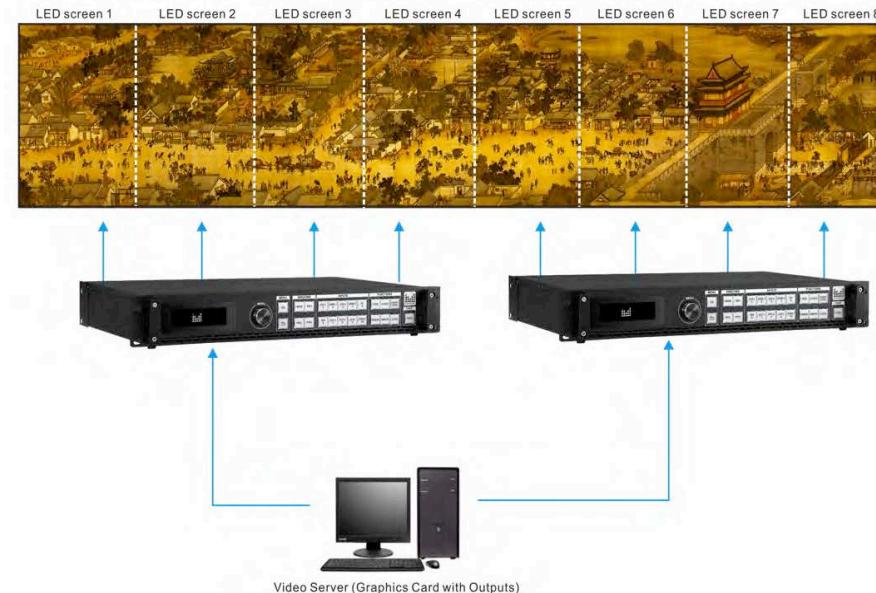


## MULTIPLE CASCADE 1

LED-780H accepts unit-cascading. As the picture shows, 1 processor works as the host and others be cascaded to achieve ultra wide splicing.

# LED-780H series Processor

## MULTIPLE CASCADE 2

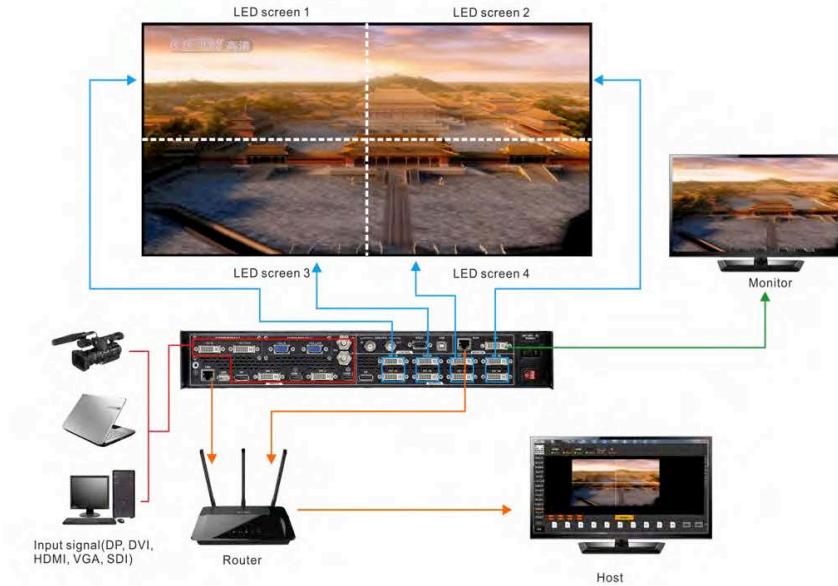


## MULTIPLE CASCADE 2

With the help of graphic card from a video server, sets of LED-780H are able to realize ultra wide splicing.

# LED-780H series Processor

## MULTIPLE CASCADE 2OUTPUT MONITORING



## OUTPUT MONITORING

There are 2 ways of output monitoring. The first one is using IP input preview and the computer host. The other way is connecting the monitor with "Monitor DVI" in the processor.

# LED-780H series Processor

## LAYERS OUTPUT



### 4 LAYERS OUTPUT

In the non-splicing mode, each port is able to display 4 independent pictures. Input signal, size and position of these 4 pictures can be changed.

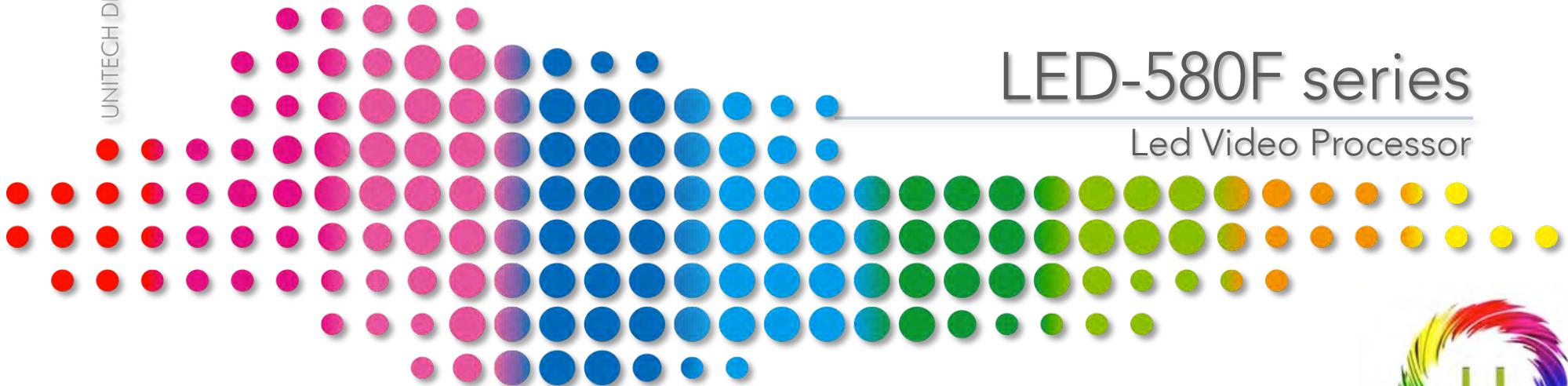
# LED-780H series Processor

## ROTARY OUTPUT



## ROTARY OUTPUT

The 4 program outputs of LED-780H can be spliced after rotating every 90 degrees independently. Based on the rotation, the images can also be up-and-down reversed or left-and-right reversed.



# LED-580F series

---

Led Video Processor



# LED-580F series Processor

LED-580F series video processor is a high performance processor which has various input and output plugs, including Dual link DVI, DVI, HDMI, DP, VGA and AV input plugs and audio input & output plugs.

LED-580F series video processor supports 4Kx2k input, which can realize pixel to pixel and scaling display with simplifies operating. It supports preview, hot backup, multi-machine cascade, customized output resolution, EDID management, SDI output, Dual link DVI output, DP output, facie, seamless switch and schedule function.

LED-580F series video processor is used in stage shows, conference, exhibition, press conference, command & control center, surveillance center, stadium, and airport.

## FEATURES

- 4K input & output  
Input resolution 3840 x 1080@60Hz, 2560 x 1600@60Hz  
Output resolution 3840 x 1080@60Hz, 2560 x 1600@60Hz
- Dual link DVI input & output
- OP input & output
- Customized input resolution(any resolution within 4k)
- Customized output resolution(any resolution within 4k)
- PI P/POP
- Dual channel image crop
- Fade in / fade out
- Text overlay
- 4 channels Audio signal input
- Audio delay
- Accurate brightness control
- Multi-machine cascade
- Hot backup
- Preview
- Schedule
- Lock aspect ratio
- SDI output
- Modularity Upgrade service



# LED-580F series Processor

## LED-580F series

LED 580F	Standard configuration
LED 582F	Basic+Expanding 2 x DVI output module
LED 583F	Basic+Expanding monitor output module
LED 585F	Basic+Expanding SDI output module

### INPUT INDICATION

PORTS	QUANTITY	RESOLUTION
AV	2	PAL NTSC SECAM
VGA	1	VESA
DVI	1	VESA
DP	1	Display port1.1/1.2
HDMI	1	HDMI 1.3/1.4
SDI*	1	480i/60Hz 576i/50Hz 720p/60Hz 1080i/50Hz/60Hz 1080p/50Hz/60Hz(3G SDI)

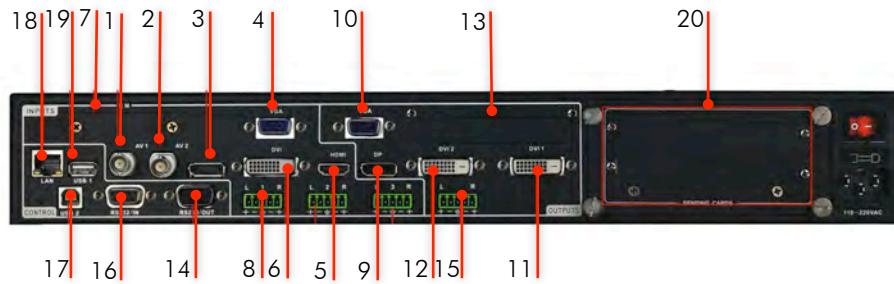
### OUTPUT INDICATION

PORTS	QUANTITY	RESOLUTION
VGA	1	2Kx 1 K resolution: 1024 x 768/60Hz 1280 x 1024/60Hz 1280 x 720/50Hz/60Hz 1440 x 900/60Hz 1680 x 1050/60Hz 1600 x 1200/60Hz 1600 x 1200/60Hz Reduced 1920 x 1080/60Hz/50Hz 1920 x 1200/60Hz 2560 x 816/60Hz 2048 x 1152/60Hz 2304 x 1152/60Hz 1024 x 1280/60Hz 1536 x 1536/60Hz
DVI	2	2K x 2K resolution: 2560 x 1024/60Hz 2560 x 1600/60Hz 2560 x 1440/60Hz 1080 x 3840/60Hz 3840 x 1080/60Hz 1920 x 1080/120Hz
DVI+DVI	1	1920 x 1080/100Hz Customized output resolution: Horizontal resolution: max .3840 Vertical resolution:max.3840
DP	1	
VGA+DVI	1	1920x1080/60Hz 1920x1080/60Hz 1920x1080/60Hz
SDI		480i/59.94Hz 480i/60Hz 576i/50Hz 720p/50Hz 720p/60Hz 1080i/50Hz 1080i/59.94Hz 1080i/60Hz 1080p/23.9Hz 1080p/24Hz 1080p/25Hz 1080p/29.9Hz 1080p/30Hz 1080p/50Hz 1080p/59.94Hz 1080p/60Hz

### MACHINE SPECIFICATION

Power supply	100-240 AC 50/60Hz
Power consumption	40W
Operation temperature	0-45°C
Size	482x301.3x66.8mm
Weight	4.7Kg

# LED-580F series Processor



INTERFACE DESCRIPTION BACK PANEL

1	AV 1 input
2	AV 2 input
3	DP input
4	VGA input
5	HDMI input
6	DVI input
7	E.M. input
8	Audio input
9	DP Output
10	VGA output
11	DVI 1 output
12	DVI 2 output
13	E.M. output
14	RS 232 output
15	Audio output
16	RS 232 input
17	PC control plugs
18	LAN
19	USB for software upgrade
20	Sending card plugs



## LED-580F Processor

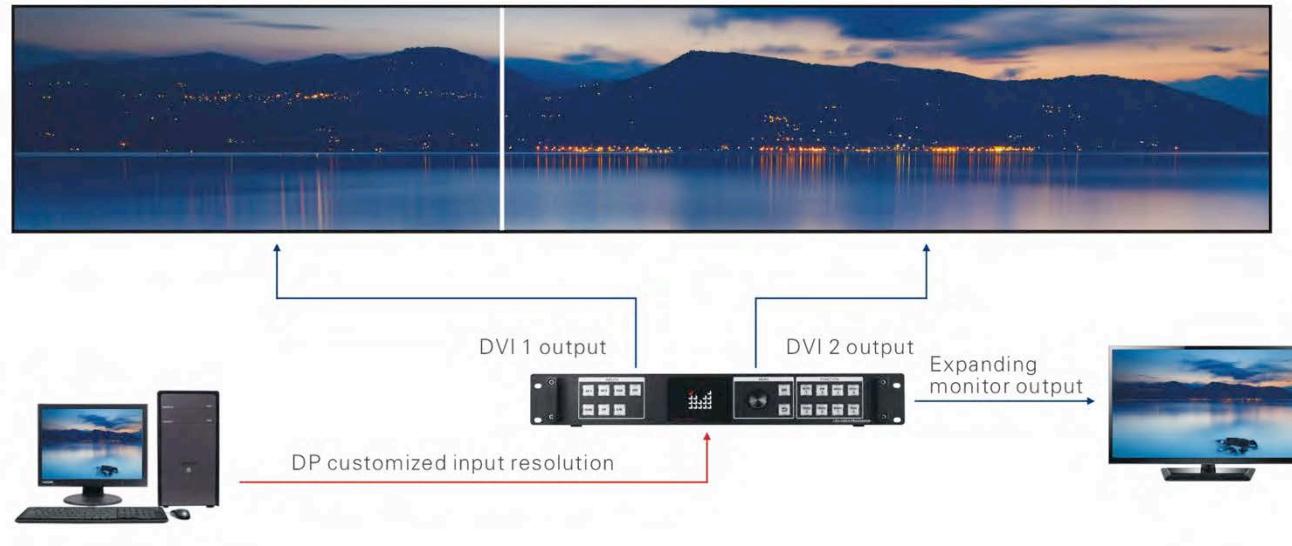
**SIZE:** 18.97" x 11.86" x 2.62" (482x301.3x66.8mm)

**WEIGHT:** 10.36 lb (4.7 kg)

**ORDER CODE:** UNIPRO580F

# LED-580F series Processor

## SINGLE MACHINE SPLICING



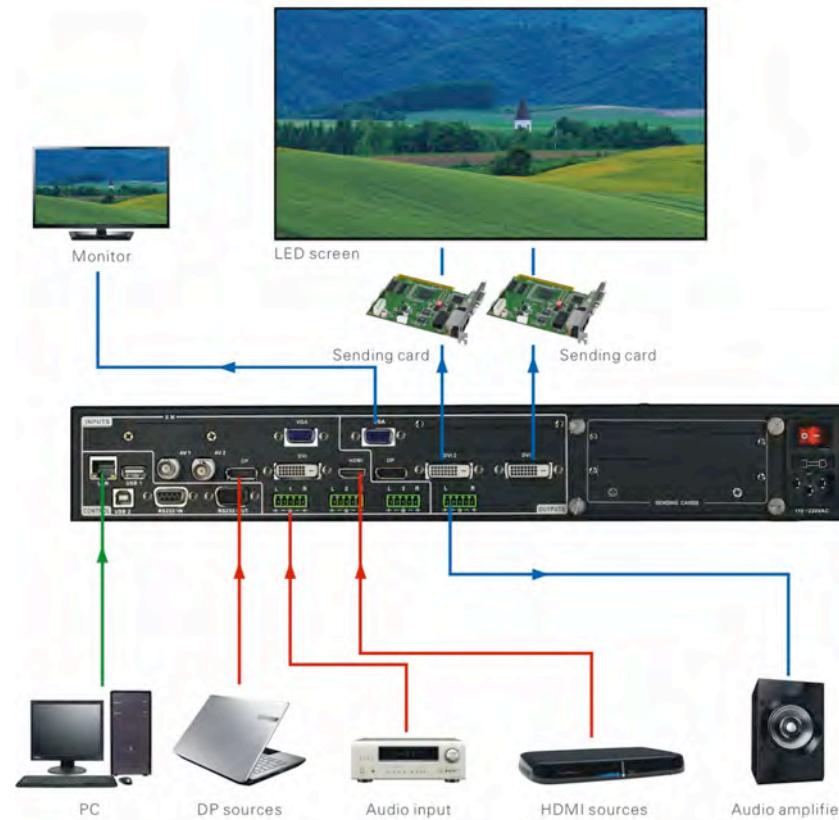
# LED-580F series Processor

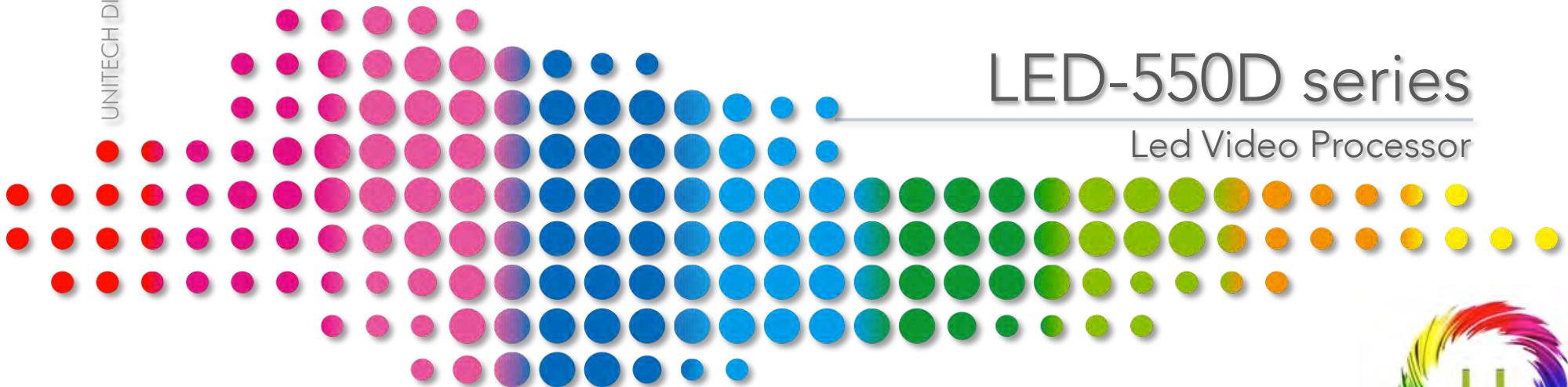
## MULTI-MACHINE SPLICING



# LED-580F series Processor

## SCHEMATIC





## LED-550D series

Led Video Processor



# LED-550D series Processor

LED-550D series products are the video processor developed for the large screen display system, adopted the top image processing chips, internal 12 bits processing, with clearer images and richer colors. Advanced interlaced scanning picture processing technology, to remove video motion tail or flaw, for the normal PAL/NTSC video, output image will be clearer, for the HD 1080i signal, output image details will be rich, full color and image quality is in the leading level. Advanced image scaling technology, support user-defined output resolution, single unit can support horizontal resolution 3840 al maximum, vertical resolution 1920 al maximum, refresh frequency rate 120Hz, can upgrade the output signal bandwidth utilization greatly; furthermore, also can use the traditional standard output resolution, then scaling the output image by pixel to pixel according to the real size of the LED screen. Accurate dual picture input image intercepting function, can realize the pixel to pixel display and material fusion. Intellectualized large size LED screen seamless splicing technique, the user just needs to have simple setting, they could realize that to send card picture splicing, can support 24576x24576 lattice LED screen; Unique synchronized moving technology, ensure high speed motion picture fluently without tail or flaw. Perfect video image input port, including 2xVGA , 1xDP, 1xDVI (can be extended for 2 DVI simultaneous input), 1xHDMI, 2xvideo (PAL/NTSC) , 1xSDI (optional), support full HD signal input, can be connected with various audio and video equipment. Support seamless switch between different input signal sources and picture in picture function. The whole unit is with pure hardware framework, steady and reliable.

## FEATURES

- Customized output resolution
- Seamless splicing
- Seamless switching, up to 20 switching effect
- Fade in/fade out
- Dual image
- Dual channel image crop
- Test overlay
- Image freeze
- DVI loop
- Image size, position any adjustment
- Save and load mode
- Customized DVI input resolution
- Various test graphic cards
- Accurate brightness control
- Hot backup
- 7 inputs(2 AV, 2 VGA, 1 DVI, 1 HDMI, 1 DP)
- Image enhancement
- 1 expanded input( VGA or DVI or SDI)
- Upper computer software control
- Support DP input



# LED-550D series Processor

## LED-550D series

LED 550D	Standard configuration	Standard configuration
LED 550DD	Expanding DVI input module	DVI output
LED 550DS	Expanding SDI input module	SDI output with a loop
LED 550DV	Expanding VGA input module	VGAoutput
Customer setting	Configure voice output	Configure voice output
Customer setting	RF remote contrai module	Configure RF remote contrai module

### INPUT INDICATION

PORTS	QUANTITY	RESOLUTION
AV	2	PAL NTSC
VGA	2+1 (Fixed 2 input. optional expanded 1 input)	VESA
DVI	1+1 (Fixed1 input. optional expanded 1 input)	VESA (support 1080i input)
DP	1	EIA/CEA-861 , HDMI-1.3
HDMI	1	VESA
SDI*	1	480i, 576i, 720p, 1080i/p( 3G SDI )

### OUTPUT INDICATION

PORTS	QUANTITY	RESOLUTION
DVI	2	1024x768/60Hz/75Hz/85Hz/100Hz/120Hz 128Qx 1024/60Hz 144Qx9Q0/60Hz 168Qx 1050/60Hz 16QQx 1200/60Hz 16QQx 1200/60Hz - Reduced 192Qx 1080/60Hz/50Hz 256Qx816/60Hz 2048x640/60Hz 1920x 1200/60Hz 2304x 1152/60Hz 2048x 1152/60Hz 1024x 1280/60Hz 1536x 1536/60Hz Customized output resolution (bandwidth optimize ): Horizontal resolution:max.3840 Vertical resolution:max.1920
VGA	1	
DP LOOP	1	Consistent with DVI input
SDI LOOP*	1	480i, 576i, 720p, 1080i/p( 3G SDI )

### MACHINE SPECIFICATION

Power supply	100-240 AC 50/60Hz
Power consumption	20W
Operation temperature	0-45°C
Size	483x288x54.5mm
Weight	2.6Kg

### INCLUDING ACCESSORIES

Power Cable	1
Screws	4
DVI Cable	1
Certificate	1
USB Cable	1
User Manual	1
Cascade Cable	1
CD	1
Copper cylinde	4
AV Cable	2

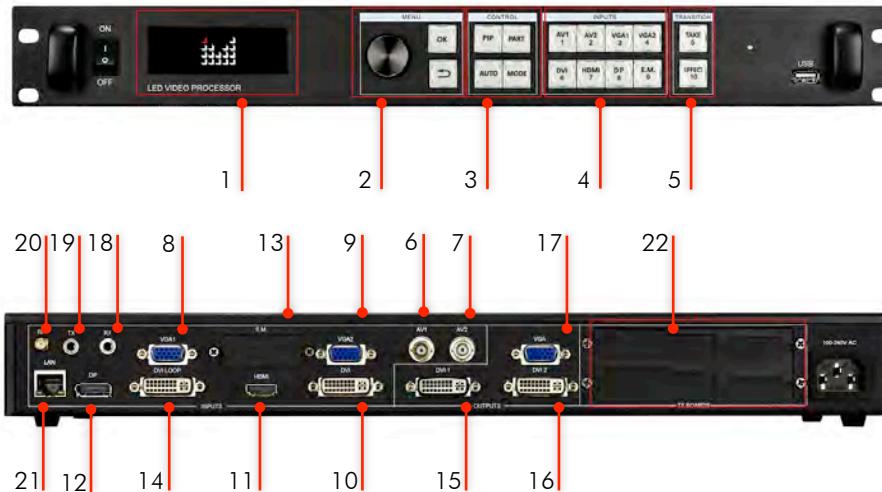
### HOST COMPUTER CONTROL INTERFACE



Two kind of operation mode: upper computer software and button control  
 Upper computer software control: connect computer and video processor through USB, achieve all kinds of operates in the software.

Button control: Control the device manually by button on operation panel.

# LED-550D series Processor



## INTERFACE DESCRIPTION BACK PANEL

6	AV 1 input
7	AV 2 input
8	VGA 1 input
9	VGA 2 input
10	DVI input
11	HDMI input
12	DP input
13	Extended input
14	DP loop
15	DVI 1 output
16	DVI 2 output
17	VGA output
18	Cascade input
19	Cascade output
20	RF remote control
21	LAN
22	Sending card plugs

## INTERFACE DESCRIPTION FRONT PANEL

1. The menu display: The entire menu, in the condition that no user operating or overtime operating, the LCD screen will show the default state, to operate the menu system by using knob and keys, the user can check and set the basic function and state of device intuitively.
2. Operation Keys: It is used for menu selection and adjustment, makes up of "OK" key, "Return" key and a knob that can be press down, press the knob in a short time, it has the same function with confirmation key, while press it in long time, it will make the menu system return to default state at once. When u press the return key, the menu system will return to previous menu, until it to the default state.
3. Function button: It contains four buttons :PIP, PART, AUTO and MODE. PIP:Open or close the function of PIP, if you long press the button, it will change the cascading relationship between image 1 and image 2.;PART: Switch part and full;AUTO: Automatically rectify the image display position when the current input source is VGA. MODE : Select the model loading interface
4. INPUTS area: In the default menu state, short press the area buttons can switch the image 1 input source to the corresponding input; if long press the button, it will switch the image 2 input sources to the corresponding input. In the main menu, when select the input source interface of image 1 and 2, short press the area buttons, you can set the corresponding menu item parameter to the corresponding input port.
5. TRANSITION area: Press "TAKE" or "EFFECT" key, in the default menu system state, can call out image switch interface. In the image switch interface, TAKE key is used to implement image switch function, EFFECT key is used to select image switch effect: short press EFFECT key can make the effect parameters positive change, long press EFFECT, it will make the effect parameters reverse change.

## LED-550D Processor

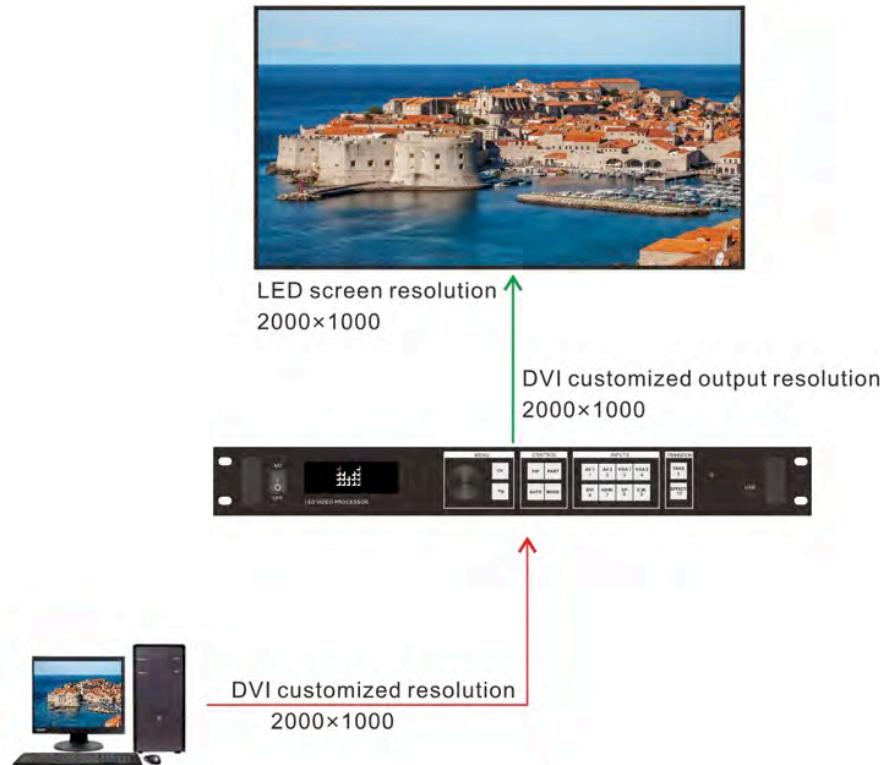
**SIZE:** 19.01"x11.33"x2.14" (483x288x54.5mm)

**WEIGHT:** 5.73 lb (2.6 kg)

**ORDER CODE:** UNIPRO550D

# LED-550D series Processor

## CUSTOMIZE INPUT/OUTPUT RESOLUTION

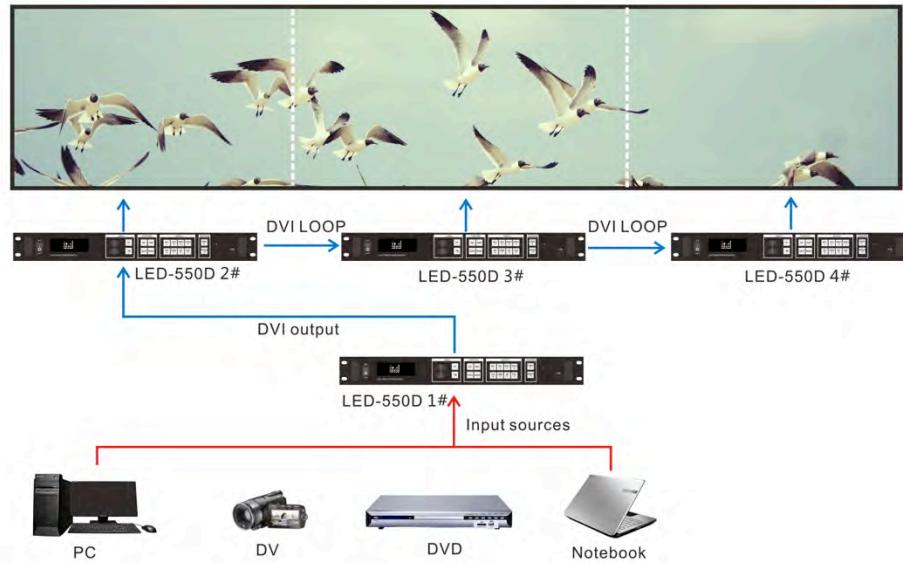


### CUSTOMIZED INPUT/OUTPUT RESOLUTION

LED-550D series video processor have the function of lock input resolution, DVI customized input resolution  $2000\times1000$ , match customized output resolution  $2000\times1000$ , thus point to point in the size of  $2K\times1K$  will be complete.

# LED-550D series Processor

## SEAMLESS SPLICING

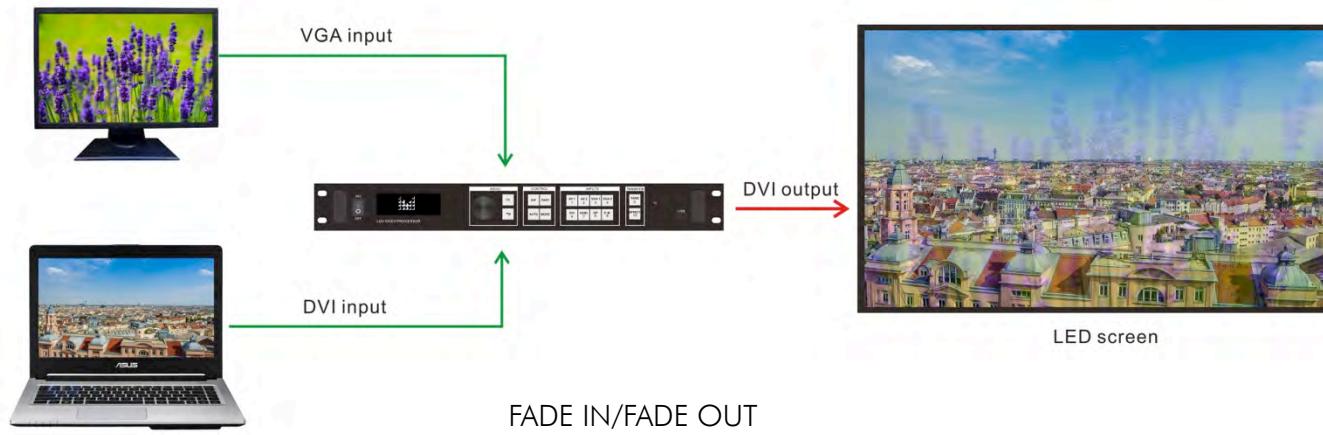


## SEAMLESS SPLICING

Four LED-550D realize Unequal Mosaic, since LED-550D series processor support infinity DVI signal LOOP, the DVI divider is not need, we can use Video Processor splicing directly, a 550D is used for main control, three 550D is used for seamless through DVI LOOP, and the processor 2 output the left screen, the processor3 output the middle screen, and processor4 output the right screen, thus the Unequal Mosaic can be realized .

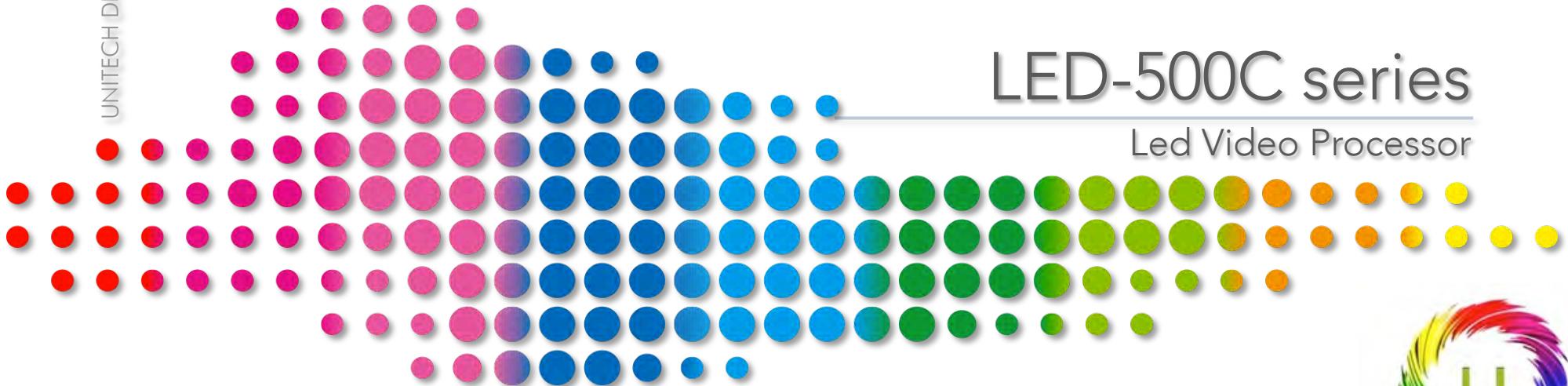
# LED-550D series Processor

## FADE IN/ FADE OUT



### FADE IN/FADE OUT

LED-550D series processor has 16 switching effects including fade in/fade out, cut and so on, it avoid the black screen when customer use the signal source to switch; first open the dual image after enter menu, choose input source, adjust the size and position of dual image; then enter the image switching menu, choose the switch mode(fade in/fade out),after then press the "TAKE" button in the front panel, thus we can realize the function of fade in or fade out.



## LED-500C series

Led Video Processor



# LED-500C series Processor

LED-500CLED-SOOC series products are the video processor developed for large LED display screen systems, adopting top image processing chips, with internal 12 bits processing to ensure the images clearer and colors richer. Advanced interlaced scanning images processing technology to remove video motion tail flaw, for normal PAL/NTSC video, the output images are clearer, for HD 1080i signal, the output image detail is richer, and color is full, image quality is in the leading level al the industry. Advanced image scaling technology to support about 10 output resolution, single unit supports maximum resolution 2304•1152,2560•816, 1920x 1200, 1536•1536, maximum refresh rate can be 120Hz, and it can scale the output image pixel to pixel according to the real size al the LED screen. Intellectualized super size LED display screen seamless splicing technology, users only need to make a few simple setups to achieve multi sending cards image spicing, it can support maximum 24576•24576 pixel dal matrix LED display screen; unique synchronous follow up technique lo ensure fluency of the high speed motion picture, no misplacement or tailing. Complete video input ports, including 2 VGA, 1 DVI (can be expanded to 2 DVI inputs al the same time), 1xHDMI, 2•Video (PAL/NTSC), 1 •SDI (optional), lo support full HD signal inputs, and it can be connected with many kinds al video devices. Support seamless switching between different input signals and PIP function. Whole unit with pure hardware framework, stable and reliable.

Upgrade and network control, convenient for technical support and alter sales maintenance.

## FEATURES

- Achieve LED display screen splicing
- Support PIP and text overlay
- Achieve signal fade in and fade out
- Seamless switching function
- Achieve hot backup function
- Achieve multi-templates loading function
- Achieve RS 232 serial port control
- Single unit support output maximum resolution 2560•816/60Hz, 1536•1536/60Hz





# LED-500C series Processor

## LED-500C series

LED 500C	Basic	Basic
LED 500CD	Extended DVI Port	External input DVI port
LED 500CS	Extended SDI Port	External input SDI port, with 1 loop
LED 500CV	Extended VGA Port	External input VGA port

INPUT INDICATION PORTS	QUANTITY	RESOLUTION
AV	2	PAL, NTSC, SECAM
VGA	2	VESA
DVI	1	VESA (support 1080i input)
HDMI	1	EIA/CEA-861 , HDMI-1.3/1.4
SDI*	1	480i, 576i, 720p, 1080i/p( 3G SDI )

OUTPUT INDICATION PORTS	QUANTITY	RESOLUTION
DVI	2	1024x768/60Hz/75Hz/85Hz/100Hz/120Hz 128Qx 1024/60Hz 144Qx9Qx/60Hz 168Qx 1050/60Hz 16QQx 1200/60Hz 160Qx 1200/60Hz - Reduced 92Qx 1080/60Hz/50Hz 256Qx816/60Hz 204Bx640/60Hz 192Qx 1200/60Hz 23Q4x 1152/60Hz 2048x1152/60Hz 1024x 1280/60Hz 1536x 1536/60Hz
VGA	1	
DP LOOP	1	Consistent with DVI input
SDI LOOP*	1	480i, 576i, 720p, 1080i/p ( 3G SDI )

MACHINE SPECIFICATION		
Power supply	100-240 AC 50/60Hz	
Power consumption	20W	
Operation temperature	0-45°C	
Size	482x257x44.45mm	
Weight	3.7Kg	

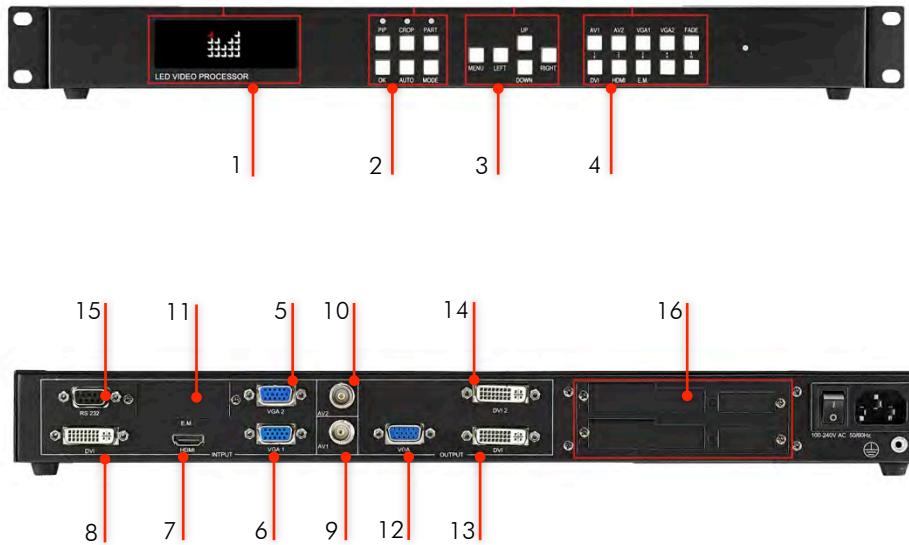
## INCLUDING ACCESSORIES

Power Cable	2
Screw	1
DVI Cable	2
Certificate	1
AV Cable	1
User Manual	1
RS 232 serial port cable	1
Copper cylinde	2

## OPERATING MODES

One operating mode: button control  
 Button control: by control the front panel keys manually to achieve each operation of the processor.

# LED-500C series Processor



## INTERFACE DESCRIPTION BACK PANEL

5	VGA 1 input
6	VGA 2 input
7	HDMI input
8	DVI input
9	AV 1 input
10	AV 2 input

11	Expanded input
12	VGA loop
13	DVI 1 output
14	DVI 2 output
15	RS 232 control
16	Sending card plugs

## INTERFACE DESCRIPTION FRONT PANEL

- 1 LED menu display: Shows the entire menu system, in the condition that no user operating or overtime operating, the LED will show the default state. To operate the menu system by using knot or keys, the users can check and set the basic function or state of the machine intuitively.
- 2 Function keys: PIP,PART, OK, AUTO, MODE, totally 6 keys included. PIP is the function key lo open or close PIP. CROP is the function key lo open the image crop. PART is the function key lo switch between part display or full display of the screen. OK is the confirmation key. AUTO is function key used lo adjust image position when the input signal is VGA. MODE is the function key to open the template loading interface.
- 3 Operating keys: MENU: main menu keys, used to return to the superior menu when in the main menu state. LEFT: menu selection/operating keys, left keys. UP: menu selection/operating key, up key. DOWN: menu selection/operating key, down key. RIGHT: menu selection/operating key, right key.
- 4 Input source switching key:  
 1 /AV1: numeric key 1, video input port 1 selection key.  
 2/AV2: numeric key 2, video input port 2 selection key.  
 3/VGA 1: numeric key 3, VGA input port 1 selection key.  
 4/VGA2: numeric key 4, VGA input port 2 selection key.  
 5/FADE: numeric key 5, fade in and fade out function shortcut key.  
 6/DVI: numeric key 6, DVI input port selection key.  
 7/HDMI: numeric key 7, HDMI input port selection key.  
 8/ E. M.: numeric key 8, extended input port selection key.

## LED-500C Processor

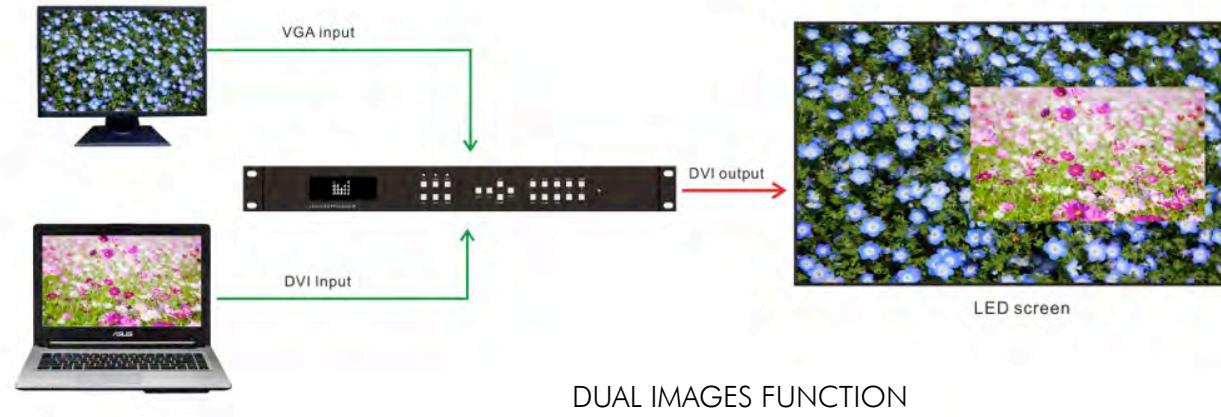
**SIZE:** 18.97"x10.11"x1.75" (482x257x44.45mm)

**WEIGHT:** 8.15 lb (3.7 kg)

**ORDER CODE:** UNIPRO500C

# LED-500C series Processor

## DUAL IMAGE FUNCTION

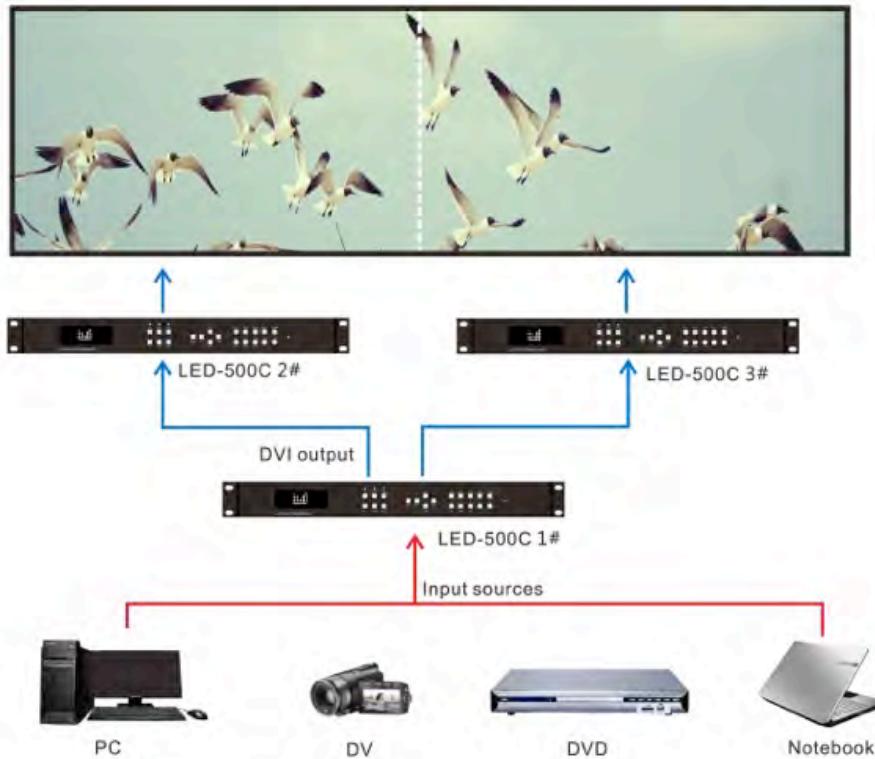


### DUAL IMAGES FUNCTION

LED-500CLED-500C can achieve free position or size scaling of two pictures by dual images function. It can achieve quick switching between one image and dual images with the use of template saving and loading.(dual images saved as one template, single image saved as another template, switched by MODE key).

# LED-500C series Processor

## SEAMLESS SPLICING

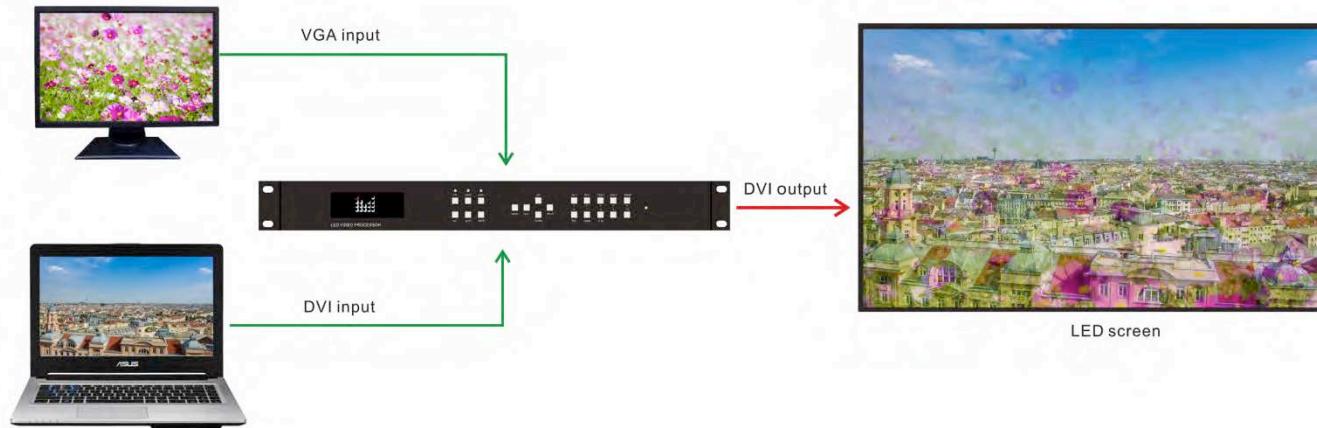


## SEAMLESS SPLICING

3 LED-500C realize mosaic. Processor 1 used as main control, it outputs 2 DVI signal to the latter 2 LED-500C as inputs.; processor 2 output the left screen, processor 3 output the right screen, thus achieving unequal or equal mosaic. If there are more than 3 processors to mosaic, a DVI splitter is needed behind the main control, to output multi-channel DVI signal.

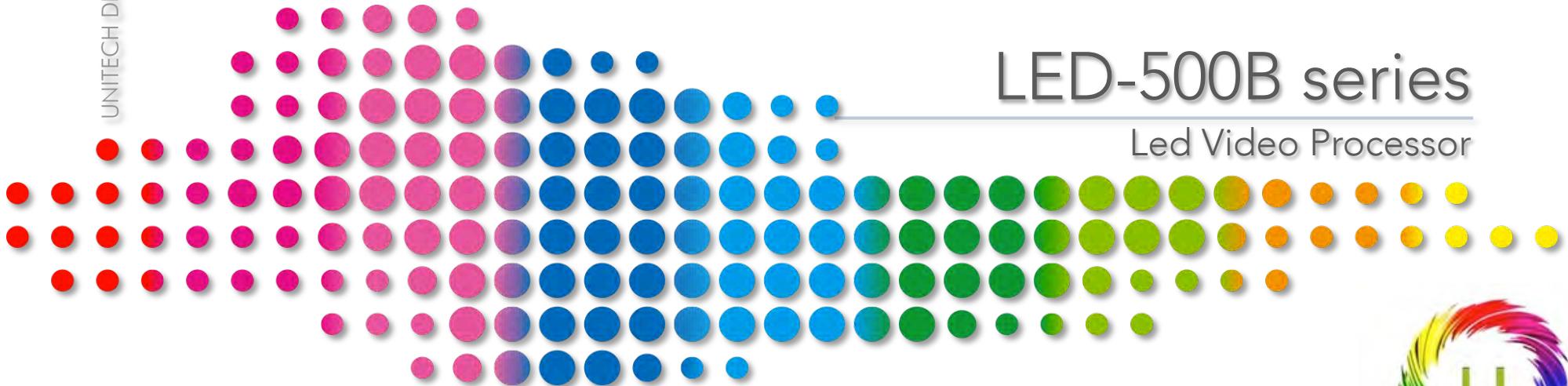
# LED-500C series Processor

## FADE IN/ FADE OUT SWITCHING



### FADE IN/FADE OUT SWITCHING

LED-SOOC has the function of fade in/fade out, it avoids the black screen when the customer is operating the signal switching function; LED-500C enters the menu to open the dual images first, to choose input signal source, adjust dual images size and position; then enter the image switching menu, select switching modes (fade in/fade out); Finally press the "FADE" key in the front panel of the processor to switch, thus we achieve fade in/fade out function.



## LED-500B series

---

Led Video Processor



# LED-500B series Processor

LED-500A/B is a mini video processor. It has numerous input and output plugs, including AV, DVI, VGA, HDMI, and it supports functions of image crop, image freeze, template setting, scaler and so on.

LED-500A/B is suitable for LED display engineering installation, small advertising and small conference.

## FEATURES

- Image crop
- Seamless scaler
- Image freeze
- Part/Full screen
- Two sending card
- Multi-template application
- DVI enhancement technology
- Zoom function

INTERFACE DESCRIPTION BACK PANEL

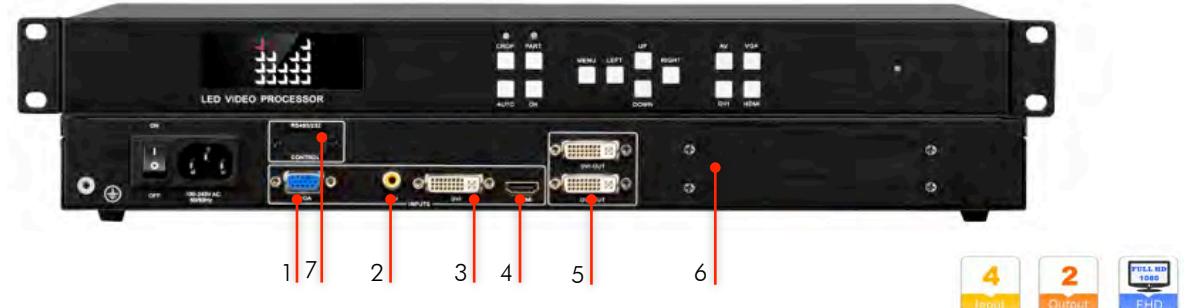
1	VGA input
2	AV input
3	DVI input
4	HDMI input
5	DVI output
6	Sending card plugs
7	RS485/232 Control plugs

### LED-500B Processor

**SIZE:** 18.97"x9.46"x1.75" (482x240.5x44.5mm)

**WEIGHT:** 6.61 lb (3 kg)

**ORDER CODE:** UNIPRO500B





# LED-500B series Processor

## INPUT INDICATION

PORTS	QUANTITY	RESOLUTION
AV	1	PAL NTSC SECAM
VGA	1	VESA
DVI	1	VESA
HDMI	1	HDMI 1.3

## OUTPUT INDICATION

PORTS	QUANTITY	RESOLUTION
DVI	2	1024x768/60Hz/75Hz/85Hz/100Hz/120Hz 1280x1024/60Hz 1440x900/60Hz 1600x1200/60Hz 1600x1200/60Hz-Reduced 1680x1050/60Hz 1920x1080/60Hz/50Hz 2560x816/60Hz 1920x1200/60Hz 2048x1152/60Hz 1024x1280/60Hz 1536x11536/60Hz

## MACHINE SPECIFICATION

Power supply	100-240 AC 50/60Hz
Power consumption	20W
Operation temperature	0-45°C
Size	482x240.5x44.5mm
Weight	3Kg

## DVI ENHANCEMENT

DVI enhancement technique can up grade the color, gray, resolution of image signal played by computer.

It achieves high brightness and high contrast, and improves the image color.

# LED-500B series Processor

## PART / FULL

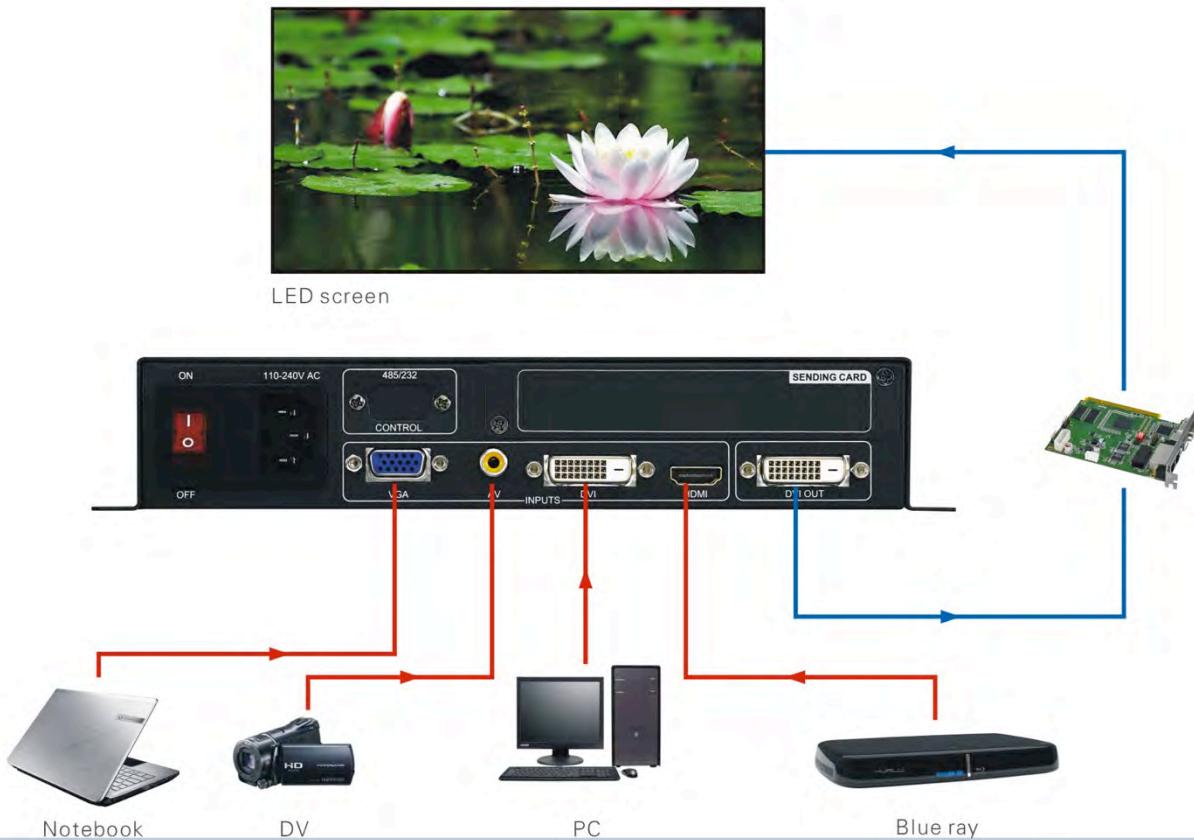


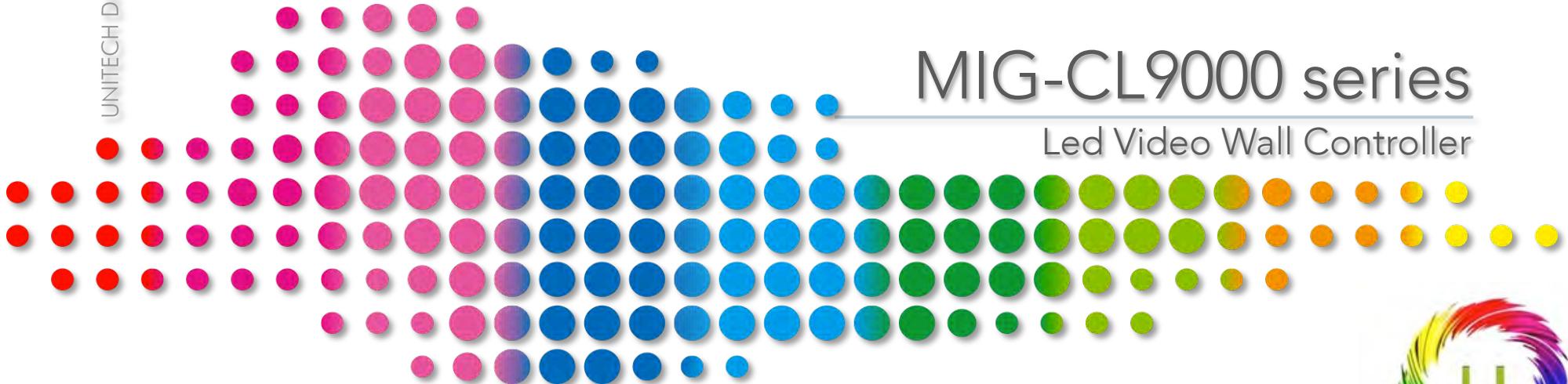
## IMAGE CROP



# LED-500B series Processor

## SCHEMATIC





# MIG-CL9000 series

Led Video Wall Controller



# MIG-CL9000 series Controller

MIG-CL9000 series is a powerful video wall controller, it is the central processor device for big screen splicing system, to achieve different formats input sources to be displayed in multiple display terminals, functions include arbitrary splice, zooming, windows, overlap, etc. It adopts high speed FPGA and number bus matrix as the basic hardware structure, and has laid a stable advantage, at the same time it adopts RGB 24 BIT/60Hz real time processing internally, ensuring signal high reduction performance; the internal high performance zooming engine supports multi-screen output seamless splicing, ensuring output image clear, smooth, no delay. Depth module design supports AV, VGA, DVI, HDMI, SDI, IP, DP(4K) inputs, to achieve input signal EDID management. Output customized resolution is for all kinds of LED pixel to pixel splicing display. All series products are equipped with after sales support module, supporting USB upgrade and network, RS232 serial port control, convenient for technical support and after sales maintenance. System configuration is flexible, the input and output is available for different choices, currently 3U,4U,8U cabinets are for choosing. MIG-CL9000 series is widely used in multi-media conference hall, multi-function room, directing and dispatching center, inspection center, theater, television studio, exhibition hall in government, traffic, hydropower, medicare, education, radio and television, malls and various industries.



## FEATURES

- PURE HARDWARE BUILD-UPS
- 4 SEPARATED LAYERS PER OUTPUT
- OVER 8 TIMES SCALING
- SPLICE LED WALL OF DIFFERENT PIXEL PITCH
- INTERNAL 24 BIT RGB PROCESSING
- 60HZ REAL TIME PROCESSING
- INPUT EDID
- 4KX2K INPUT
- REAL TIME SEAMLESS SWITCHING
- LAYER GROUPING
- LAYER SEAMLESS SWITCHING
- 9 WINDOW OUTPUT PER CHANNEL
- EASY CHANGE FOR THE WINDOWS SIZE AND POSITION FULL SCREEN ROAMING
- CUSTOMIZED OUTPUT RESOLUTION
- INPUT/OUTPUT MONITORING
- HIGH DEFINITION BACKGROUND OF PIXEL TO PIXEL DISPLAY
- DUAL POWER SUPPLY BACKUP
- OPERATION'S REAL TIME MONITORING
- REAL TIME IP MONITORING
- PROJECTOR EDGE BLENDING SPLICING

# MIG-CL9000 series Controller

## CHASSIS TYPE AND SPECIFICATION

TYPE	MIG-CL9003-A	MIG-CL9004-A	MIG-CL9008-A	MIG-CL9014-A	MIG-CL9019-A
Input ports quantity	5	8	9	18	36
Output ports quantity	4	4	11	18	18
Control board quantity	1	1	1	1	1

## MACHINE SPECIFICATION

Power supply	100-240 AC 50/60Hz	100-240 AC 50/60Hz	100-220 AC 50/60Hz	100-240 AC 50/60Hz	100-240 AC 50/60Hz
Power consumption	max 180W	max 350W	max 650W	max 1900W	max 2500W
Operation temperature	0-45°C	0-45°C	0-45°C	0-45°C	0-45°C
Product dimension	482.6x371x133mm	482.6x371x177mm	482.6x355x430.5mm	482.6x576.5x597.7mm	482.6x576.5x833.6mm
Net weight	9.6Kg	11Kg	18.85Kg	40Kg	55Kg

## CARD TYPE AND SPECIFICATION

INPUT CARD TYPE	PORTS	QUANTITY	SPECIFICATION
MIG-CL9000-INAV	AV	8	PAL, NTSC
MIG-CL9000-INVGA	VGA	4	VESA
MIG-CL9000-INDVI	DVI	4	VESA, support EDID
MIG-CL9000-INSDI	SDI	4	480i, 576i, 720p, 1080i/p(3G SDI)
MIG-CL9000-INHDMI	HDMI	4	HDMI-1.3
MIG-CL9000-INDP	DP	2	DP 1.2 3840x2160/30 Hz
MIG-CL9000-INIP	IP	2	H. 264
MIG-CL9000-INSDIVGA	SDI,VGA	SDIx2, VGAx2	SDI support 480i, 576i, 720p, 1080i/p(3G SDI) VGA support VESA
OUTPUT CARD TYPE	PORTS	QUANTITY	SPECIFICATION
MIG-CL9000-OUTDVI-A	DVI	2x2	1024x768/60Hz 1366x768/60Hz 1440x900/60Hz 1440x1440/60Hz 1280x1024/60Hz 1680x1050/60Hz 1600x1200/60Hz 1920x1080/60Hz 2560x816/60Hz Maximum customized horizontal output resolution: 2560 Maximum customized vertical output resolution: 2560
MIG-CL9000-OUTDVI-B	DVI	4x1	
MIG-CL9000-OUTIP	IP	1	Real time IP monitoring

## OPERATING INTERFACE



3 control modes includes computer host control, Ipad control, and key control.

Computer host control : Achieved by connecting the machine with a computer via network cable or RS232 cable. Any operation will be done through the host software.

Ipad control: Achieved by the software designed for Ipad.

Key control: To control and select all the template manually.

# MIG-CL9000 series Controller

## HIGH RESOLUTION LED WALL SPLICING



High resolution LED Wall splicing will be realized with corresponding sending cards and the machine's output customization. One 4U chassis machine supports 32 times splicing at most. One 3U chassis machine supports 16 times splicing at most. No frame drop and image tear. Supports 4Kx2K DP input and high resolution pixel-to-pixel display.

# MIG-CL9000 series Controller

## IP MONITORING



By connecting the network control port, the IP monitor and the host computer into one local area network, it is able to monitor all the input and output by the host software.

# MIG-CL9000 series Controller

## 4 INDEPENDENT LAYERS OUTPUT BY SINGLE CHANNEL



One DVI output channel is able to display 4 independent layers and one high definition background. The position, size and order of each layer can be set freely. Input source of any layer can also be set freely with the machine's inner video matrix.

# MIG-CL9000 series Controller

## PROJECTOR EDGE BLENDING SPLICING



One 4U case controller supports 32 projectors splicing at most; one 3U case controller supports 16 projectors splicing al mast. Size, position and other parameters of the blending part can be changed via edge blending function.

# MIG-CL9003 Controller



## CHASSIS TYPE AND SPECIFICATION

	MIG-CL9003-A
Input ports quantity	5
Output ports quantity	4
Control board quantity	1
Power supply	100-240 AC 50/60Hz
Power consumption	max 180W
Operation temperature	0-45°C
Size	482.6x371x133mm
Weight	9.6Kg

## MIG-CL9003-A Controller

**SIZE:** 19"x14.6"x5.23" (482.6x371x133mm)

**WEIGHT:** 21.16 lb (9.6 kg)

**ORDER CODE:** UNIPROMIGCL903

## INCLUDING ACCESSORIES

Power Cable	1
USB Memory	1
DVI Cable	2
Certificate	1
Cable	2
User Manual	1

## INTERFACE DESCRIPTION

1	LCD Screen: display the machine's status information, including input/output board, hardware version, temperature, network setting, etc.
2	Functions Button: Button 1-10 are for machine's setting like IP, subnet mask, mode shifting.
3	Menu Operation: "OK";<- and the Rotate key are used to read the menu on the LCD screen.
4	4x DVI inputs
5	4x SDI inputs
6	4x VGA inputs
7	4x HDMI inputs
8	2x DP inputs
9	4x DVI outputs
10	Frame lock plugs
11	RS 232 Control Port
12	USB Upgrade Port
13	LAN

# MIG-CL9004 Controller



## CHASSIS TYPE AND SPECIFICATION

	MIG-CL9004-A
Input ports quantity	8
Output ports quantity	4
Control board quantity	1
Power supply	100-240 AC 50/60Hz
Power consumption	max 350W
Operation temperature	0-45°C
Size	482.6x371x177mm
Weight	11Kg

## MIG-CL9004-A Controller

**SIZE:** 19"x14.6"x6.96" (482.6x371x177mm)

**WEIGHT:** 24.25 lb (11 kg)

**ORDER CODE:** UNIPROMIGCL904

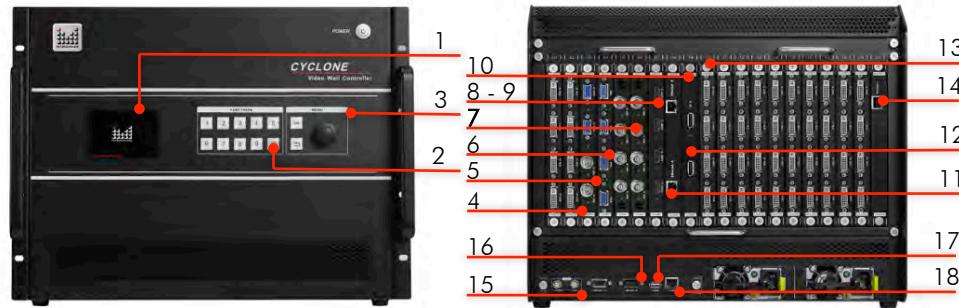
## INCLUDING ACCESSORIES

Power Cable	2
USB Memory	1
DVI Cable	2
Certificate	1
Cable	2
User Manual	1

## INTERFACE DESCRIPTION

1	LCD Screen: display the machine's status information, including input/output board, hardware version, temperature, network setting, etc.
2	Functions Button: Button 1-10 are for machine's setting like IP, subnet mask, mode shifting.
3	Menu Operation: "OK", "<->" and the Rotate key are used to read the menu on the LCD screen.
4	4x DVI inputs
5	2x SDI inputs, 2x VGA inputs
6	4x VGA inputs
7	4x SDI inputs
8	4x HDMI inputs
9	2x Network inputs
10	2x DP inputs
11	8x AV inputs
12	4x DVI outputs
13	IP monitoring
14	Frame lock plugs
15	RS 232 Control Port
16	USB Upgrade Port
17	LAN

# MIG-CL9008 Controller



## CHASSIS TYPE AND SPECIFICATION

	MIG-CL9008-A
Input ports quantity	9
Output ports quantity	11
Control board quantity	1
Power supply	100-220 AC 50/60Hz
Power consumption	max 650W
Operation temperature	0-45°C
Size	482.6x355x430.5mm
Weight	18.85Kg

## MIG-CL9008-A Controller

**SIZE:** 19"x13.97"x16.94" (482.6x355x430.5mm)

**WEIGHT:** 41.55 lb (18.85 kg)

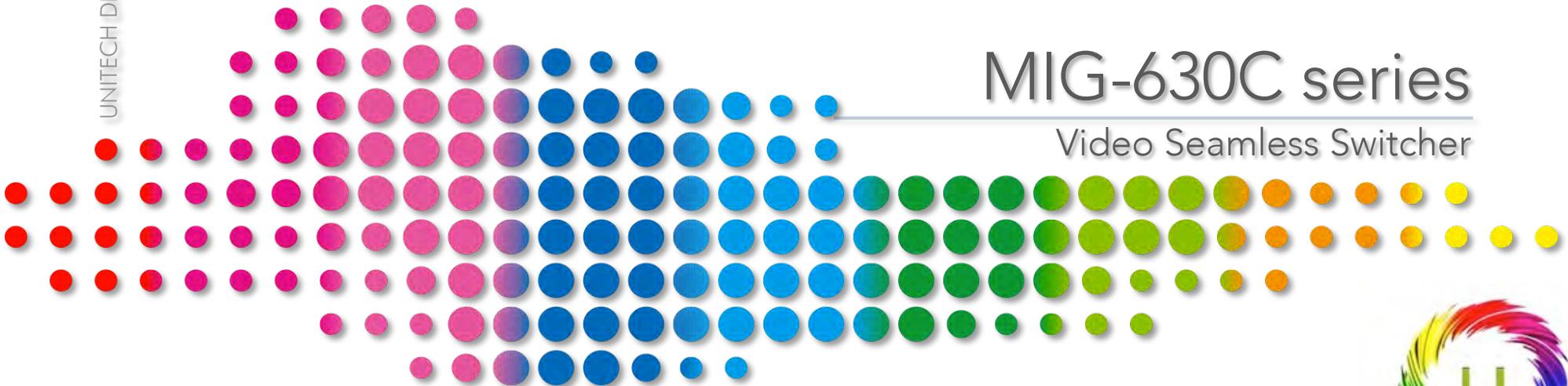
**ORDER CODE:** UNIPROMIGCL908

## INCLUDING ACCESSORIES

Power Cable	2
USB Memory	1
DVI Cable	2
Certificate	1
Cable	2
User Manual	1

## INTERFACE DESCRIPTION

1	LCD Screen: display the machine's status information, including input/output board, hardware version, temperature, network setting, etc.
2	Functions Button: Button 1-10 are for machine's setting like IP, subnet mask, mode shifting.
3	Menu Operation: "OK", "<-" and the Rotate key are used to read the menu on the LCD screen.
4	4x DVI inputs
5	4x DVI inputs
6	2x SDI inputs, 2x VGA inputs
7	4x VGA inputs
8	4x SDI inputs
9	4x SDI inputs
10	4x HDMI inputs
11	2x IP monitoring
12	2x DP inputs
13	4x DVI outputs
14	IP monitoring
15	Frame lock plugs
16	RS 232 Control Port
17	USB Upgrade Port
18	LAN



## MIG-630C series

---

Video Seamless Switcher



# MIG-630C series Switcher

MIG-630C series products are the video processors that focus on large LED display system, which used the most advanced image processing chip with 12 bits digital processing to make more distinct image and abundant color. The advanced interlaced scanning self-adoption technology, it can eliminate the trailing and flaw in the motion of video. Far the normal PAL/NTSC video, the output image will be more clearly. While far the HD 1080i signal, it can enrich the detail of image and color, and make the quality of image as the leading level in the industry.

Complete video image input and output ports, which involve 6xVGA/CVBS ,4xDVI, one SDI extended port, one digital signal extend port, 3 sets of signal output port and each set contains 1 channel DVI and VGA output. It achieves multiple analog and digital signal compound and separated input. Furthermore, it supports manifold switch effects, such as: short cui, fade in/out, Marginal dissolution etc, and it can adjust the effect time to satisfy the various requirements.

It has internal image layer processing technology that can run 3 synchronous images, which support adding LOGO, black screen and freezing image. Furthermore, chroma key are also available, which can finish Caption overlay and image amalgamation.

Human-machine interface makes the operation easier and more simply Completed hardware architecture makes it Stable and reliable.

## FEATURES

- 12 channels of compound analog and digital signal input
- LOGO save and call
- Preview function
- 3 synchronous images output
- 10 presets
- Support 3 set of image output(DVI+ VGA)port
- Support template saving and calling
- Fade in/out, seamless switching etc 16 effects
- Chroma key
- Image crop
- Image freeze
- 12 input and 3 output compound matrix
- Customized input resolution
- Black screen



# MIG-630C series Switcher

INPUT INDICATION			<b>Note:</b> *Extend Model
PORTS	QUANTITY	RESOLUTION	
AV	6	PAL, NTSC	
VGA	6	VESA	
DVI	4	VESA ( Support 1080i input )	
SDI*	1	480i_576i, 720p, 1080i/p(3G SDI)	
E.M*	1	Extend to SDI or DVI port	

OUTPUT INDICATION		
PORTS	QUANTITY	RESOLUTION
VGA	3	1024•768/60Hz 1280•1024/60Hz 1440•900/60Hz
DVI	3	1600•1200/60Hz 1600•1200/60Hz-Reduced 1680•1050/60Hz 1920•1080/60Hz/50Hz 1920•1200/60Hz

## MIG-630C series PRODUCTS TYPE

HOST TYPE	TYPE	DESCRIPTION
MIG-630C	Basic	Basic
MIG-630CS1	Extended external SDI input	Basic+SDI input
MIG-630CSD	Extended external SDI and DVI inputs	Basic+SDI and DVI input
MIG-630CS2	Extended external 2•SDI inputs	Basic+2 SDI inputs

## MACHINE SPECIFICATION

Power supply	100-240 AC 50/60Hz
Power consumption	80W
Operation temperature	0-45°C
Size	482x402x133.4mm
Weight	5.7Kg

## OPERATING MODE

One operating mode: button control

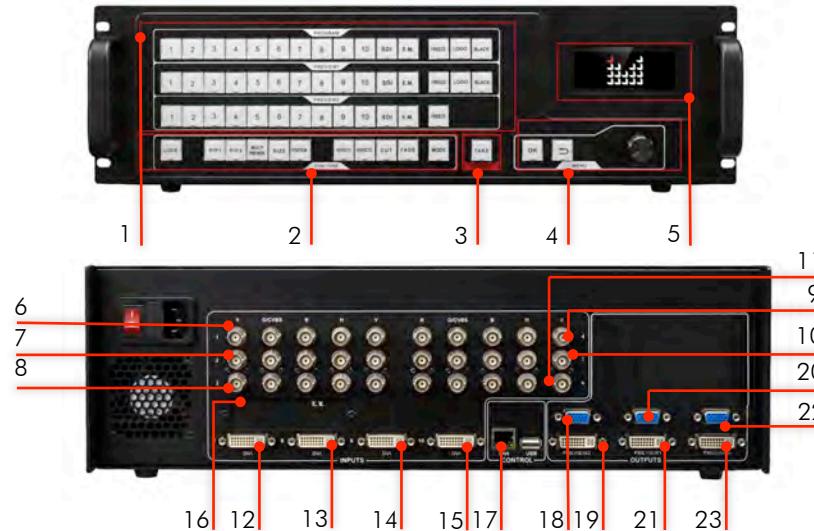
Button control: manual control the front panel to achieve the diverse operation.



## INCLUDING ACCESSORIES

Power Cable	1
VGA to 5-BNC cable	1
DVI Cable	1
Certificate	1
User Manual	1

# MIG-630C series Switcher



INTERFACE DESCRIPTION BACK PANEL

6	VGA 1 input
7	VGA 2 input
8	VGA 3 input
9	VGA 4 input
10	VGA 5 input
11	VGA 6 input
12	DVI 1 input
13	DVI 2 input
14	DVI 3 input
15	DVI 4 input
16	Extend input
17	LAN
18	VGA preview 2 output
19	DVI preview 2 output
20	VGA preview 1 output
21	DVI preview 1 output
22	VGA main output
23	DVI main output

INTERFACE DESCRIPTION FRONT PANEL

1	Input signal source: Order number key and SDI, E.M. which used to switch relevant output channel's signal. FREEZE is used to freeze or thaw the image, and LOGO used to turn on and off the screen-capture and the BLACK is for running black screen.
2	Manifold windows and preview, the position and size of the window, seamless switch effect, template function.
3	Switch function key. Press the TAKE key, in the default state of the menu, it can call the image switching interface, and in this interface. TAKE key can used to achieve switching function.
4	Operating key OK key, return key and knob can use to browse, and set the menu function.
5	To display entire menu system when the user has not any operating, the LCD screen will show the default state, according to the move around the knob and press button to operate the menu. The user can set and check the function and state of this device intuitively.

## MIG-630C Switcher

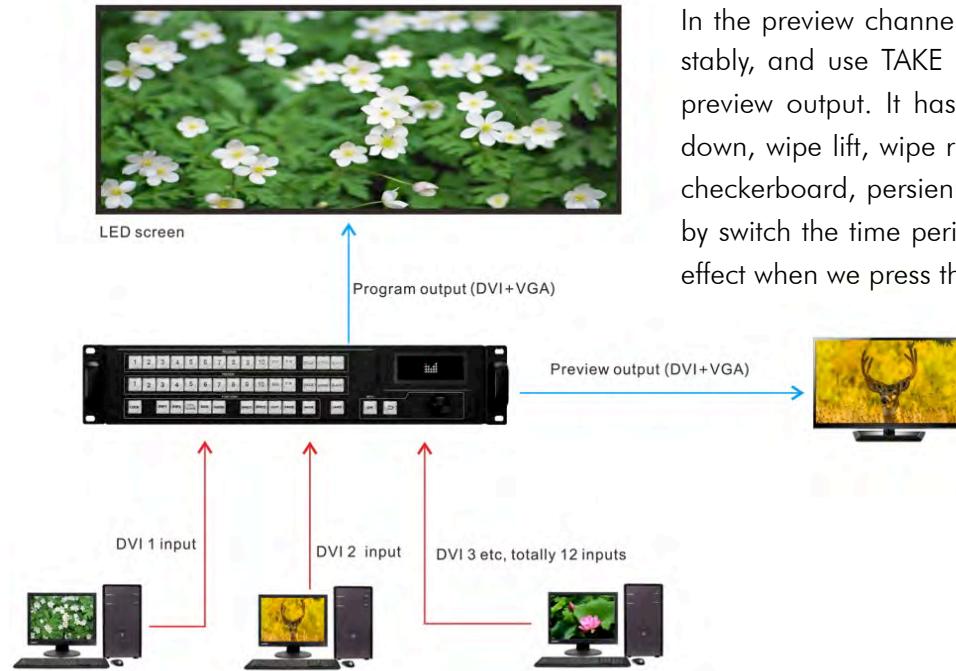
**SIZE:** 18.97"x15.82"x5.25" (482x402x133.4mm)

**WEIGHT:** 12.56 lb (5.7 kg)

**ORDER CODE:** UNIPROMIG630C

# MIG-630C series Switcher

## PREVIEW SWITCH



In the preview channel, select the signal. After the signal be showed on the preview stably, and use TAKE key lo switch the image in between the program output and preview output. It has 16 switch effects that short cui, fade in/out, wipe up, wipe down, wipe lift, wipe right, wipe curtain in/out, wipe center in/out, wipe plus in/out, checkerboard, persiennes, wipe square in/out. The duration time is can be adjusted by switch the time period. We use the key EFFECT 1 and EFFECT 2 can change the effect when we press this button to switch the input signal.

# MIG-630C series Switcher

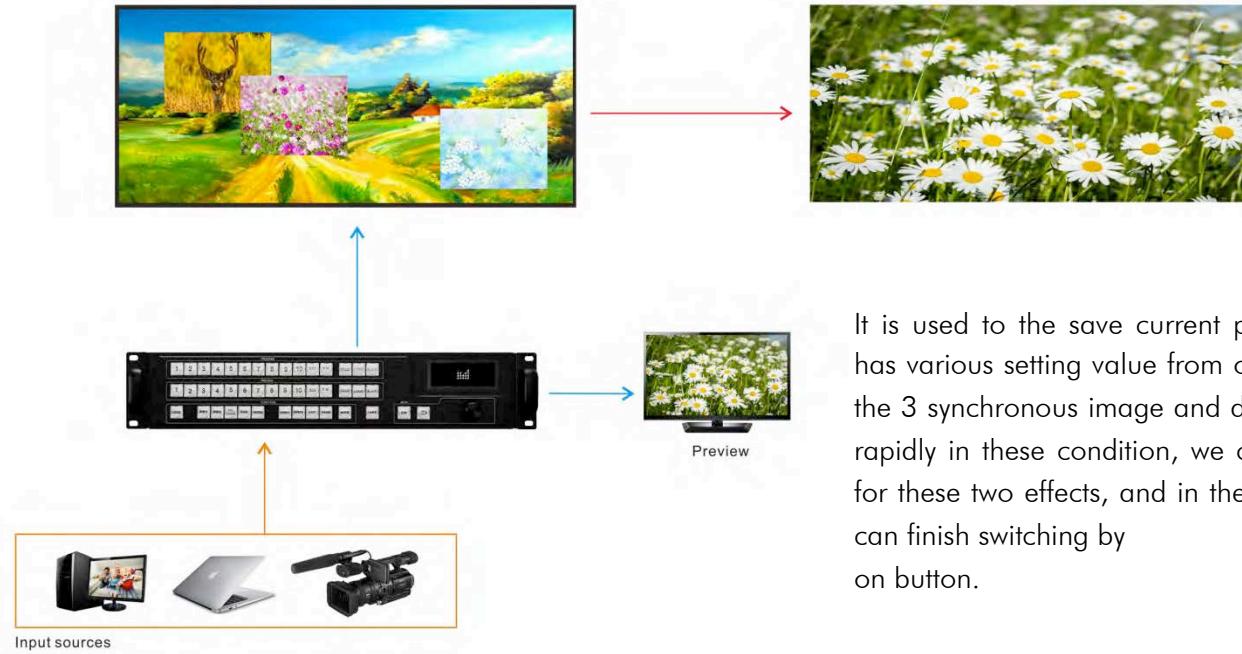
## 3 SYNCHRONOUS IMAGE OUTPUT, AND IT CAN OVERLAY A HD LOGO



We can modify the size in horizontal and vertical to change the size of Picture in Picture(PIP), but also for its position. It can achieve Picture in Picture with dual or 3 synchronous images, and Picture out Picture. As for the LOGO, we can crop the image from preview and program main output channel, and then save it as LOGO. It can store 8 LOGO at maximum, the HD logo can be loaded to the random position of preview and program output channels.

# MIG-630C series Switcher

## TEMPLATE CALL



It is used to save current parameter setting. Generally speaking, it has various setting values from one image effect to others, for instance, the 3 synchronous image and dual images. If we intend to switch them rapidly in these conditions, we can save template of parameter setting for these two effects, and in the spot, we just add these templates and can finish switching by one button.

# MIG-630C series Switcher

## HD LOGO



LED screen

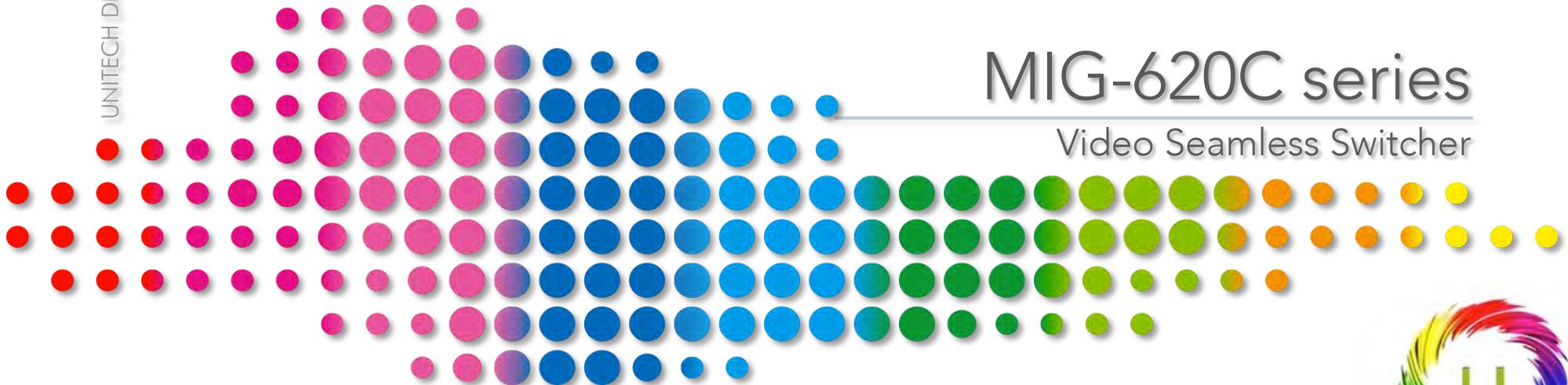
Program output



Preview output



In the conference and stage show, it always has a theme pictures. MIG-620 can save this full screen theme picture into our device, and we just call the theme picture by LOGO key, and eliminate the cumbersome steps in switching. Even if it does not have any output (theme background images) from computer, to make the meeting go well without any black screen.



## MIG-620C series

---

Video Seamless Switcher



UNITECH  
DIGITALMEDIA

# MIG-620C series Switcher

MIG-620 series products are the video processors that focus on large LED display system, which used the most advanced image processing chip with 12 bits digital processing to make more distinct image and abundant color. The advanced interlaced scanning self-adoption technology, it can eliminate the trailing and flaw in the motion of video. For the normal PAL/NTSC video, the output image will be more clearly. While for the HD 1080i signal, it can enrich the detail of image and color, and make the quality of image as the leading level in the industry. Complete video image input and output ports, which involve 4xVGA(it can switch to 4xCVBS,), 2xCVBS ,4xDVI, one SDI extended port, one digital signal extend port, 2 sets of signal output port and each set contains 1 channel DVI and VGA output. It achieves multiple analog and digital signal compound and separated input. Furthermore, it supports manifold switch effects, such as: short cut, fade in/out, Marginal dissolution etc, and it can adjust the effect time to satisfy the various requirements. It has internal image layer processing technology that can run 3 synchronous images, which support adding LOGO, black screen and freezing image. Furthermore, chroma key are also available, which can finish Caption overlay and image amalgamation. support full HD signal input, it can connect with multiple audio and video equipment, it support multiple input signal seamless switching and PIP function. Human-machine interface makes the operation easier and more simply. Completed hardware architecture makes it Stable and reliable.

## FEATURES

- 12 channels of compound analog and digital signal input
- HD LOGO
- Preview function
- 3 synchronous images output
- 10presets
- Support 2 set of image output(DVI+ VGA)port
- Support template saving and calling
- Fade in/out, seamless switching etc 16 effects
- Chroma key
- Image crop
- Image freeze
- 12 input and 2 output compound matrix
- Customized input resolution
- Black screen



# MIG-620C series Switcher

**INPUT INDICATION**

PORTS	QUANTITY	RESOLUTION
CVBS	2	PAL, NTSC, SECAM
VGA	4	VESA
DVI	4	VESA ( Support 1080 input )
SDI*	1	480i_ 576i, 720p, 1080i/p(3G SDI)
E.M*	1	Extend lo SDI or DVI port

Note: \*Extend Model

**OUTPUT INDICATION**

PORTS	QUANTITY	RESOLUTION
VGA	2	1024x768/60 Hz 1280x1024/60Hz 1440x900/60 Hz 1600x1200/60Hz
DVI	2	1600x1200/60Hz-Reduced 1680x1050/60Hz 1920x1080/60Hz/50Hz 1920x1200/60Hz

**MIG-620C series PRODUCTS TYPE**

HOST TYPE	TYPE	DESCRIPTION
MIG-620C	Basic	Basic
MIG-620CS1	Extended SDI input module	Basic+SDI input
MIG-620CS2	Extended external 2xSDI input	Basic+2xSDI input
MIG-620CD	Extended external DVI input	Basic+DVI input
MIG-620CSD	Extended external SDI and DVI input	Basic+SDI and DVI input

**MACHINE SPECIFICATION**

Power supply	100-240 AC 50/60Hz
Power consumption	75W
Operation temperature	0-45°C
Size	482x401.2x88.5mm
Weight	6.3Kg

**OPERATING MODE**

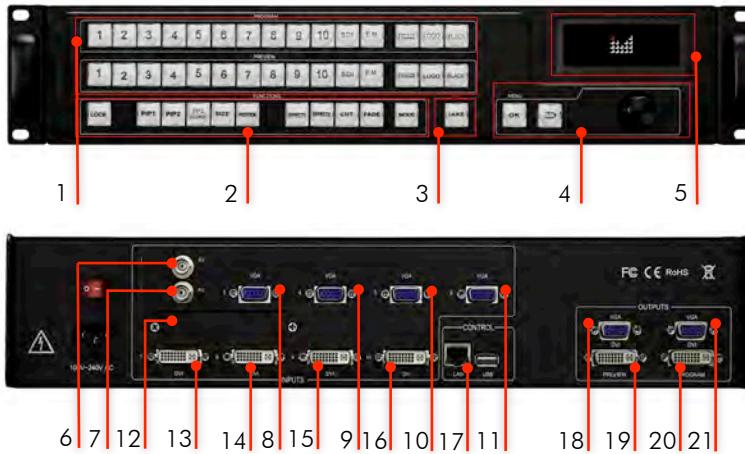
One operating mode: button control

Button control: manual control the front panel to achieve the diverse operation


**INCLUDING ACCESSORIES**

Power Cable	1
DVI Cable	1
Certificate	1
User Manual	1

# MIG-620C series Switcher



INTERFACE DESCRIPTION BACK PANEL

6	AV 1 input	14	DVI 2 input
7	AV 2 input	15	DVI 3 input
8	VGA 1 input	16	DVI 4 input
9	VGA 2 input	17	LAN
10	VGA 3 input	18	VGA preview output
11	VGA 4 input	19	DVI preview output
12	Extend input	20	DVI main output
13	DVI 1 input	21	VGA main output

INTERFACE DESCRIPTION FRONT PANEL

1	Input signal source: To switch the main channel input signal, order number key and SDI, E.M. which used to switch relevant output channel's signal. FREEZE is used to freeze or thaw the image, and LOGO used to turn on and off the screen-capture and the BLACK is for running black screen.
2	Function key : Manifold windows and preview, the position and size of the window, seamless switch effect, template function.
3	Switch function key: Press the TAKE key, in the default state of the menu, it can call the image switching interface, and in this interface, TAKE key can be used to achieve switching function.
4	Operating key : OK key, return key and knob can be used to browse, and set the menu function.
5	Menu display : To display entire menu system when the user has not any operating, the LCD screen will show the default state, according to the move around the knob and press button to operate the menu. The user can set and check the function and state of this device intuitively.

## MIG-620C Switcher

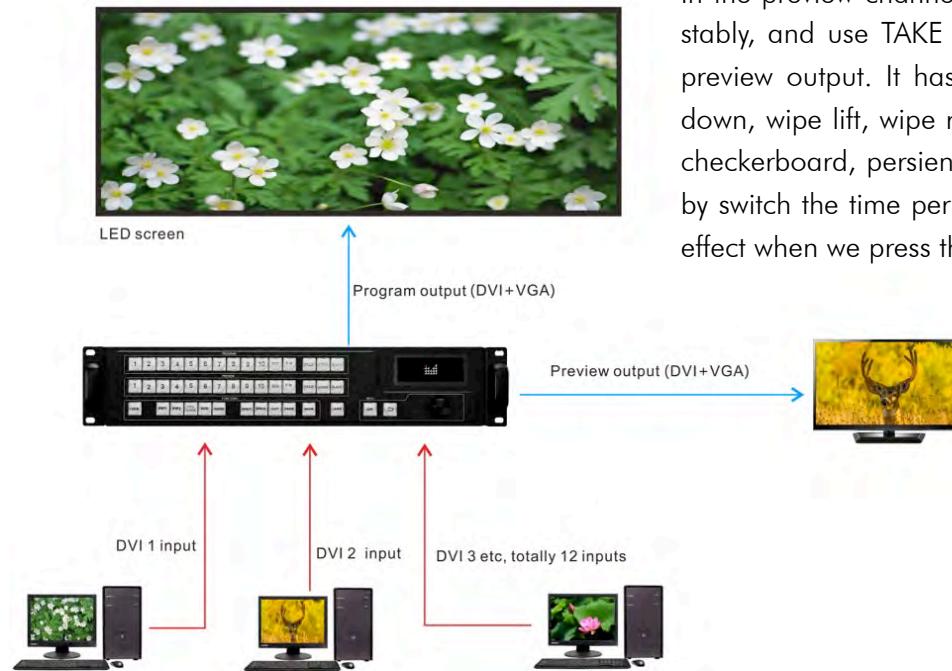
**SIZE:** 18.97"x15.79"x3.48" (482x401.2x88.5mm)

**WEIGHT:** 13.88 lb (6.3 kg)

**ORDER CODE:** UNIPROMIG620C

# MIG-620C series Switcher

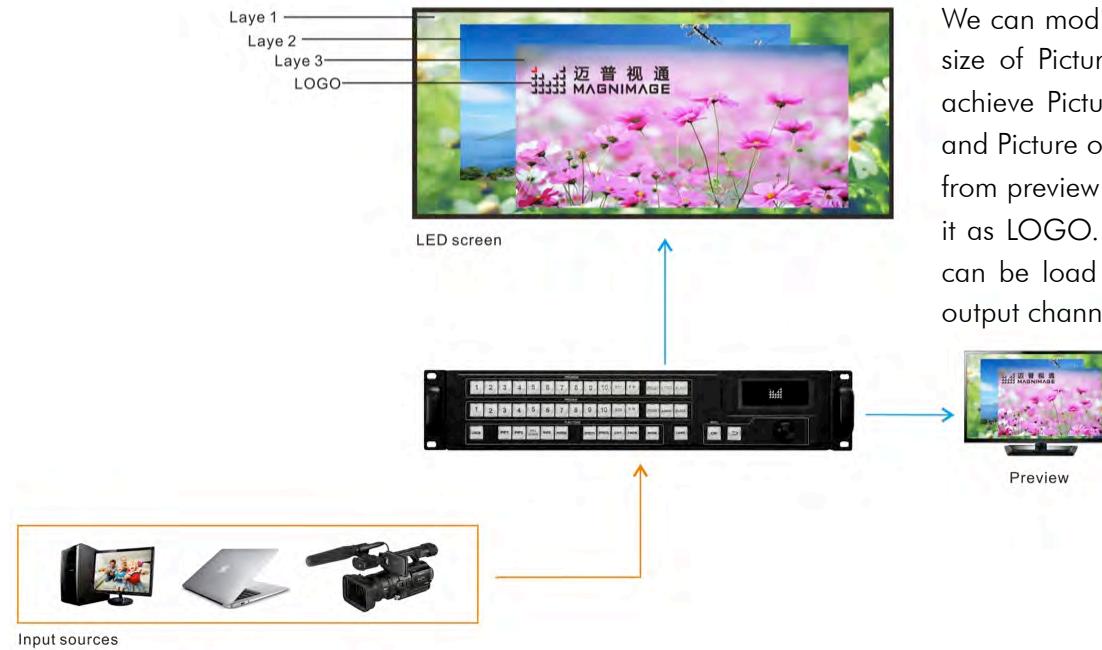
## PREVIEW SWITCH



In the preview channel, select the signal. After the signal be showed on the preview stably, and use TAKE key to switch the image in between the program output and preview output. It has 16 switch effects that short cui, fade in/out, wipe up, wipe down, wipe lift, wipe right, wipe curtain in/out, wipe center in/out, wipe plus in/out, checkerboard, persiennes, wipe square in/out. The duration time is can be adjusted by switch the time period. We use the key EFFECT 1 and EFFECT 2 can change the effect when we press this button to switch the input signal.

# MIG-620C series Switcher

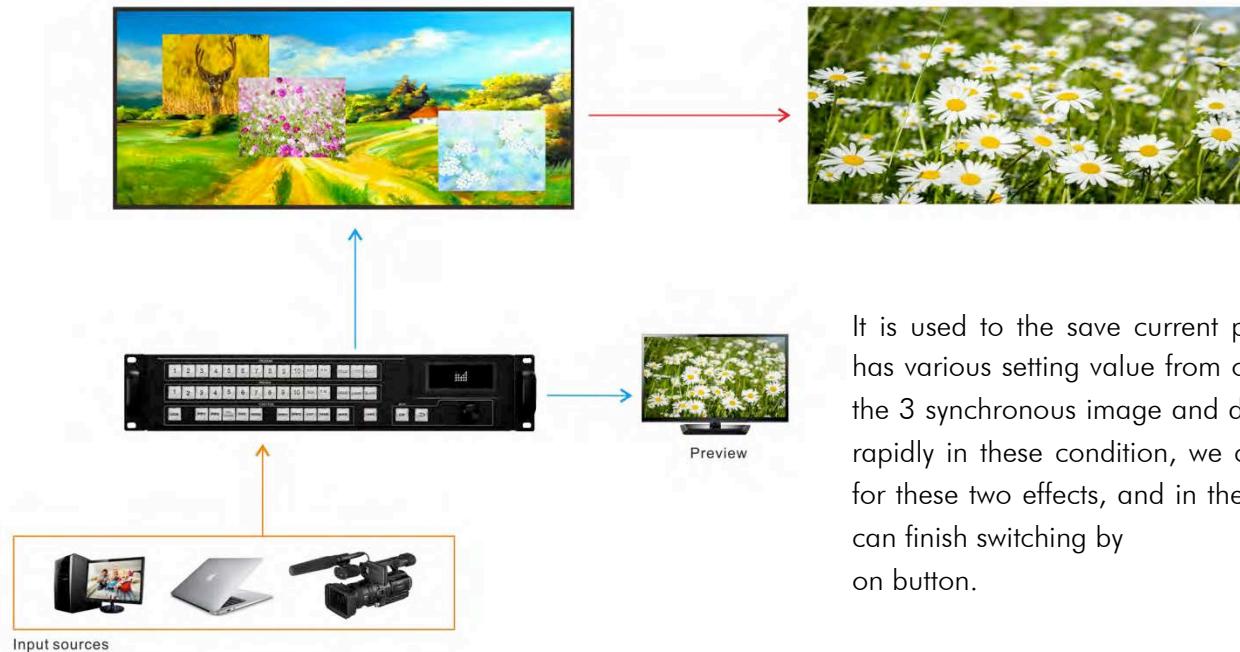
## 3 SYNCHRONOUS IMAGE OUTPUT, AND IT CAN OVERLAY A HD LOGO



We can modify the size in horizontal and vertical to change the size of Picture in Picture(PIP), but also for its position. It can achieve Picture in Picture with dual or 3 synchronous images, and Picture out Picture. As for the LOGO, we can cut the image from preview and program main output channel, and then save it as LOGO. It can store 8 LOGO at maximum, the HD logo can be loaded to the random position of preview and program output channels.

# MIG-620C series Switcher

## TEMPLATE CALL



It is used to the save current parameter setting. General speaking, it has various setting value from one image effect to others, for instance, the 3 synchronous image and dual images. If we intend to switch them rapidly in these condition, we can save template of parameter setting for these two effects, and in the spot, we just add these templates and can finish switching by on button.

# MIG-620C series Switcher

## HD LOGO

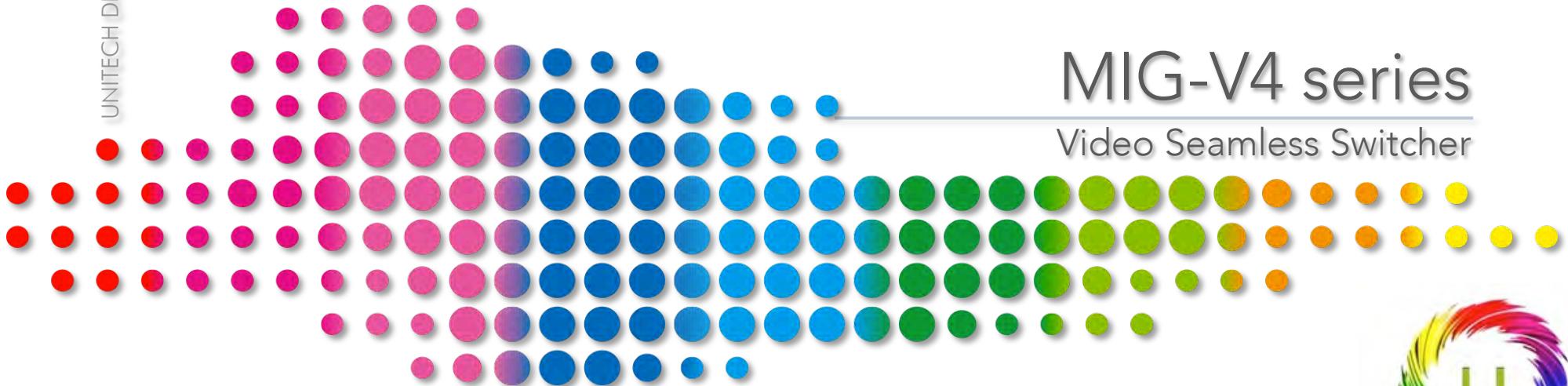


LED screen



In the conference and stage show, it always has a theme pictures. MIG-620 can save this full screen theme picture into our device, and we just call the theme picture by LOGO key, and eliminate the cumbersome steps in switching. Even if it does not have any output

(theme background images) from computer, to make the meeting go well without any black screen.



## MIG-V4 series

Video Seamless Switcher



# MIG-V4 series Switcher

MIG-V4 multi-scene switcher is composed of video processor machine V4 and console H1. Each H1 control up to 9 sets of V4 machine, and V4 can work alone or Cascade control.

MIG-V4 is a high-performance machine which adopts advanced 12 bit algorithm, and it makes picture more clear, delicate, colorful, ensure the output signal synchronization and reducibility as well .

Single machine supports output capability up to 3840\*1080 pixels, and it supports 1 Multi-screen preview and 1 Auxiliary preview. It can support maximum 16 layers, and realize 8 layers to 8 layers facie switching.

The built-in Matrix supports 12 inputs such as 4 channels of each DVI, VGA, and SDI etc, 20 seamless additive modularity inputs with full live preview of all inputs sources.

When V4 works with H1, it realizes large LED video wall display, multi-layer and multi-scene switching, backup etc function, and it is widely applied in auto show, conference, products launching, and stage show etc events.

## FEATURES

- 2 programs outputs for video wall control
- Up to 4 true-seamless layers per screen, 1 independent native background
- 3 HD native background layer per screen
- Numerous effects ( FADE , CUT, SLIDE, WIPE)
- Built-in 30 presets, powerful multi-scene seamless switcher
- EDID management
- 1 multi-screen preview output, 1 auxiliary preview output.
- Full live preview of 20 inputs signal
- Supports LOGO, chroma key function
- Support frame lock, cascade control
- Built-in matrix supports 20 hybrid seamless inputs



# MIG-V4 series Switcher

**INPUT INDICATION**

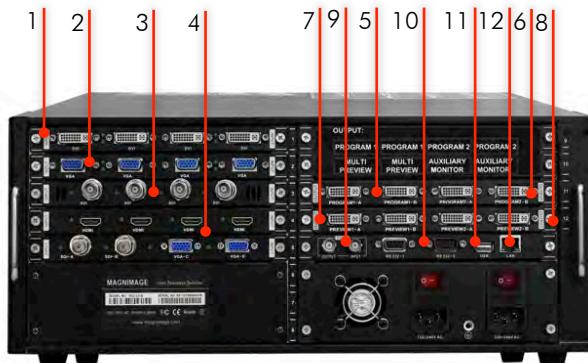
		MIG-V4
AV		-
VGA		2
DVI		8
SDI		2

**OUTPUT INDICATION**

PGA	VGA	-
	DVI	2x2
PRW	VGA	-
	DVI	2x2

**MACHINE SPECIFICATION**

Power Supply	100-240 AC 50/60Hz
Power Consumption	260W
Operation Temperature	0-45°C
Size	482.6x371x177mm
Weight	14.6Kg


**INTERFACE DESCRIPTION FRONT PANEL**

1	4xDVI input plugs
2	4xVGA input plugs
3	4xSDI input plugs
4	E.M.input plugs
5	1 st program output
6	2nd program output
7	Multi-screen preview output
8	Auxiliary preview output
9	Frame Lock plugs
10	RS 232 plugs
11	USB for software upgrade
12	LAN

**MIG-V4 Switcher**

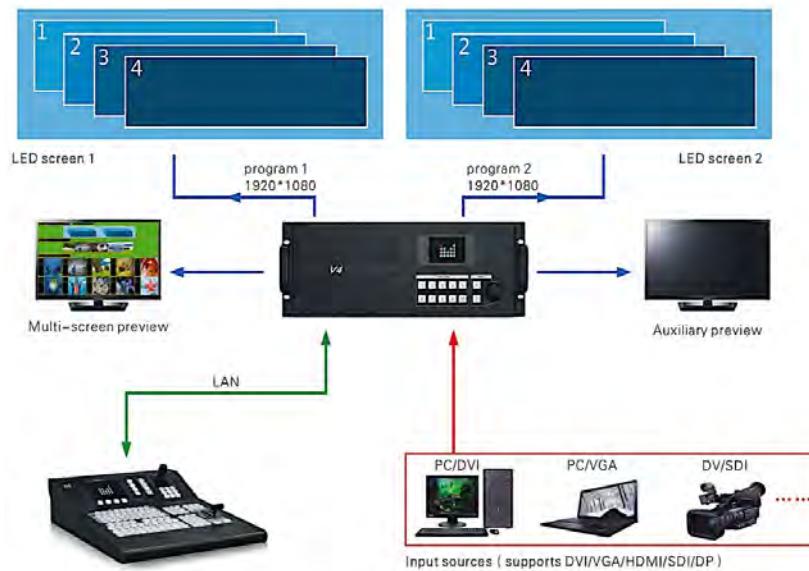
**SIZE:** 19"x14.6"x6.96" (482.6x371x177mm)

**WEIGHT:** 32.18 lb (14.6 kg)

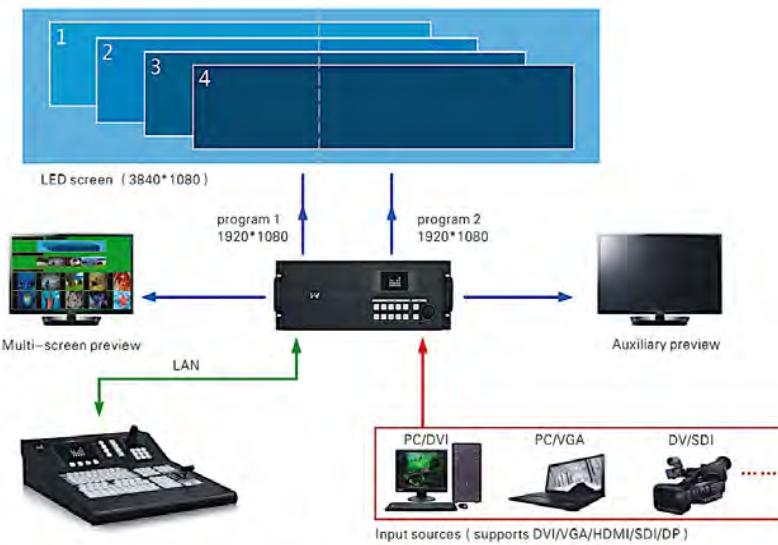
**ORDER CODE:** UNIPROMIGV4

# MIG-V4 series Switcher

## APPLICATION 1

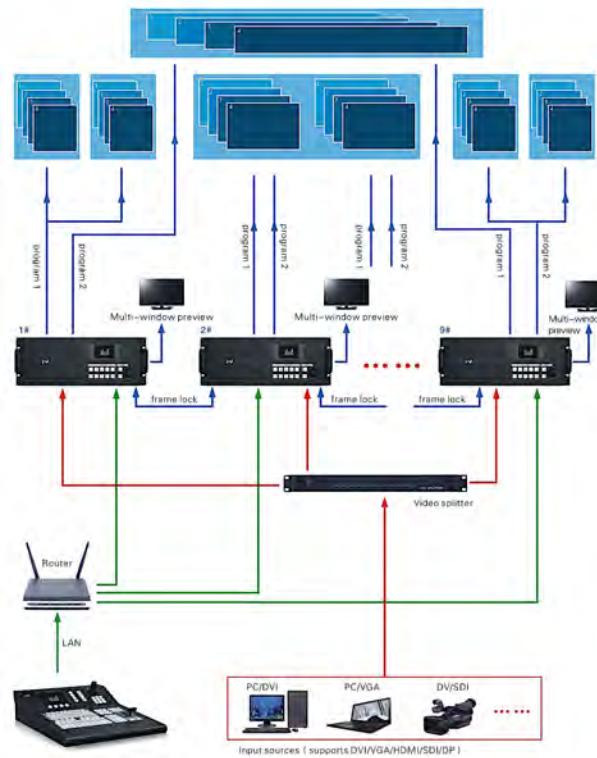


## APPLICATION 2

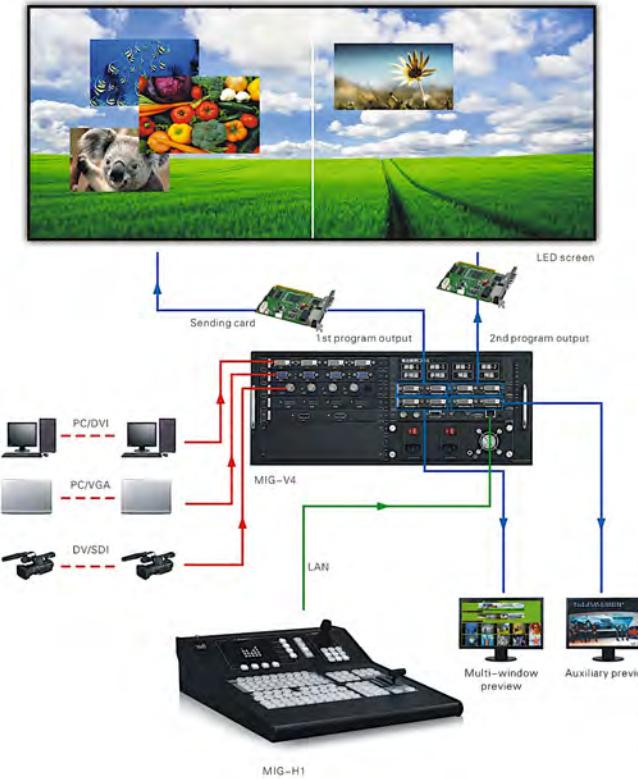


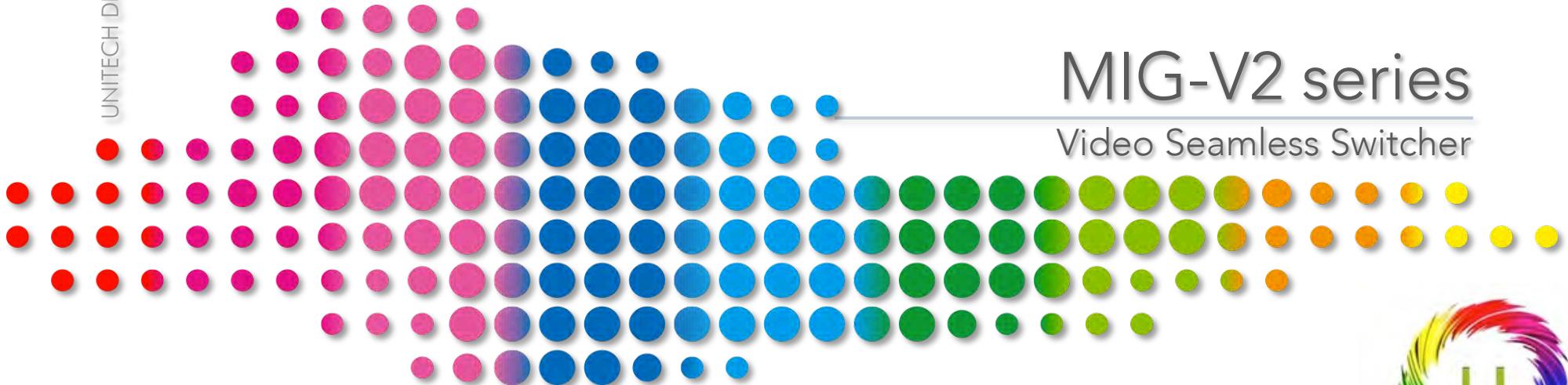
# MIG-V4 series Switcher

## APPLICATION 3



## SCHEMATIC





## MIG-V2 series

---

Video Seamless Switcher



# MIG-V2 series Switcher

High performance video switcher host MIG-V2 adopts advanced internal 12 bit algorithm, and it makes image clearer, more delicate and colorful. It ensures the output signal synchronization and reducibility as well. Single host supports one channel output, it can support 1920\*1080 pixels, and it supports a multi screen preview display. The input terminal has built-in video matrix, standard configuration supports 8 inputs(optional), maximum number of inputs can be extended to 12, and it can achieve the synchronization lock of input signals to ensure the sync output of signal.

MIG-V2 host works with console control MIG-H2/MIG-H 1, it can achieve fade switching between 4 layers in program and 4 layers in preview.

It can achieve big size LED screen splicing display, multi images switching, multi scene switching, backup function. It has been widely used in automobile exhibition, convention, product release conference, stage performance and so on.

MIG-V2 host adopts large capacity of FPGA array and high speed digital bus matrix as the basic hardware frame, for each kind of input signal, internal process adopts RGB 24 bits/60Hz, meanwhile with built in high performance compression engine, supports seamless splicing of multi screen output, making the output images clearer, smooth, no delay.

MIG-V2 host supports multi signal inputs, including DVI, VGA, HDMI, SDI, it can achieve input signal EDID management. All series products are equipped with after-sale service module, and it supports USB upgrade and network control. It is very convenient for technical support and after sales maintenance.

## FEATURES

- One main output, one multi-preview output
- Built-in video matrix, maximum support 12 mixed video inputs customized DVI input resolution
- Support fade-in and fade-out
- Single running 1920\*1080
- The main output support 4 layers and 1 HD background
- Support Screen shots and chroma key
- Support synchronization and multi-machine cascade
- Simple, practical and easy operate



# MIG-V2 series Switcher

**INPUT INDICATION**

TYPE	PORTS	QUANTITY	RESOLUTION
MIG-V-INVGA	VGA	4	VESA
MIG-V-INDVI	DVI	4	VESA
MIG-V-INSDI	SDI	4	480i, 576i, 720p, 1080i/p(3G SDI)
MIG-V-INHDMI	HDMI	4	EIA/CEA-861 , HDMI-1.3
MIG-V-INSDIVGA	SDI, VGA	SDIx2, VGAx2	SDI support 480i, 576i, 720p, 1080i/p(3G SDI) VGA support VESA

**OUTPUT INDICATION**

TYPE	PORTS	QUANTITY	RESOLUTION
Program output	DVI	1x2	1920x1080/60Hz
Preview output	DVI	1x2	1920x1080/60Hz

Note: 2\*2 indicates two groups of DVI port, two of each group images are same.

**MIG-V2 series PRODUCTS TYPE**

HOST TYPE	INPUT PORT TYPE
MIG-V2-A	4xDVI, 4xSDI, one extended input card
MIG-V2-B	8xDVI, one extended input card
MIG-V2-C	4xDVI, 4xVGA, one extended input card
MIG-V2-D	4xDVI, 4xHDMI,
MIG-V2-E	4xDVI, 2xVGA, 2xSDI,

**EXTENDED INPUT CARD**

TYPE	INSTRUCTION
MIG-V-DVI	4xDVI input
MIG-V-VGA	4xVGA input
MIG-V-HDMI	4xHDMI input
MIG-V-SDI	4xSDI input
MIG-V-SDIVGA	2xSDI, 2xVGAinput

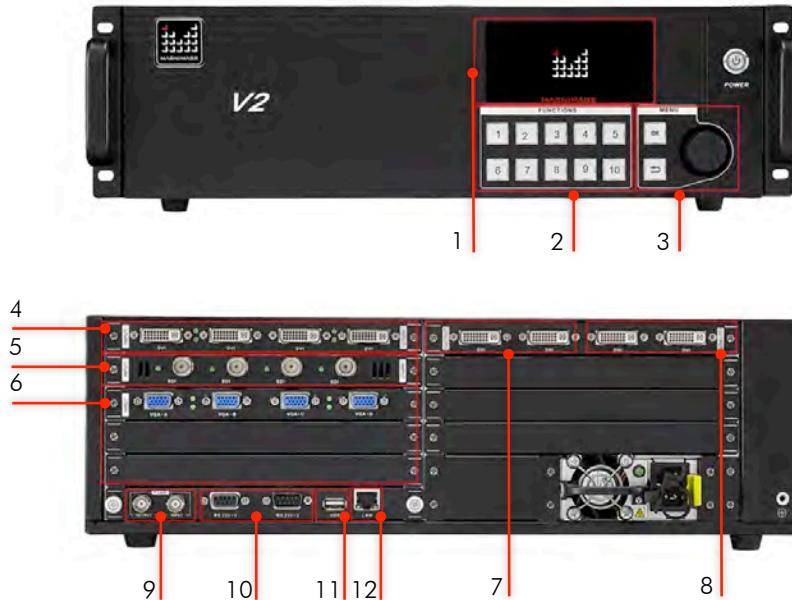
**MACHINE SPECIFICATION**

Power supply	100-240 AC 50/60Hz
Power consumption	160W
Operation temperature	0-45°C
Size	482.6x371x133mm
Weight	12.6Kg


**INCLUDING ACCESSORIES**

Power Cable	1
CD	1
DVI Cable	2
Certificate	1
USB Disk	1
User Manual	1

# MIG-V2 series Switcher



## INTERFACE DESCRIPTION FRONT PANEL

1	Display screen: It indicates the working condition of current host and browse input information, electrical conditions.
2	Function keys: In given menu interface, achieve specified function.
3	Menu keys: Browse or set menu content, including the confirmation key, return key and quick button.
4	4xDVI input
5	4xSDI input
6	E.M. input plugs
7	Program output
8	Multi window preview output
9	Frame lock plugs
10	RS 232 plugs
11	USB for software upgrade
12	LAN

## MIG-V2 Switcher

**SIZE:** 18.97"x14.6"x5.23" (482x371x133mm)

**WEIGHT:** 27.67 lb (12.6 kg)

**ORDER CODE:** UNIPROMIGV2

# MIG-V2 series Switcher

## SINGLE HOST APPLICATION

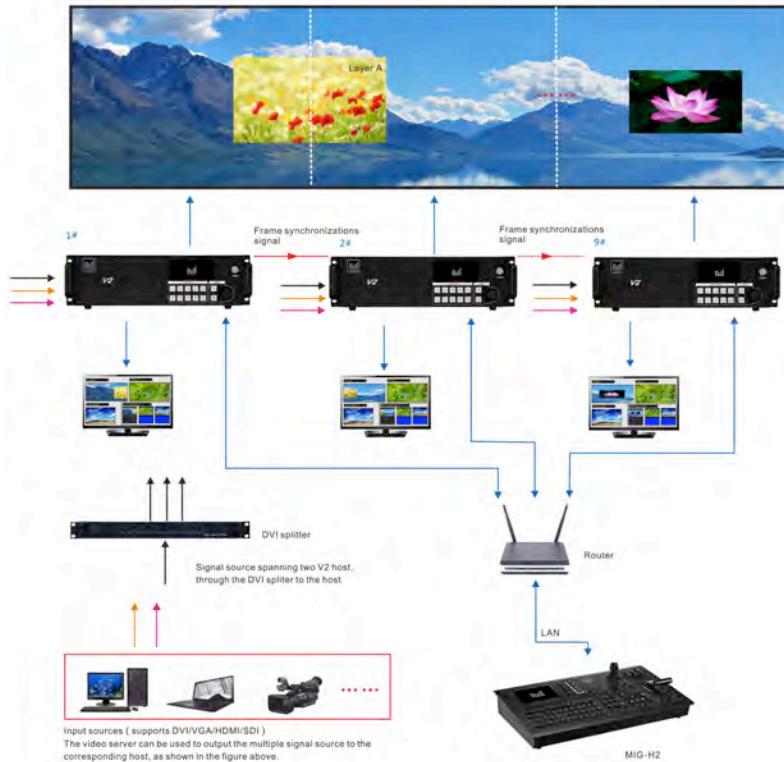


Single host application: single machine can supports 4 layers and one HD background image simultaneously and support real time preview input signal source via multi screen preview output.



# MIG-V2 series Switcher

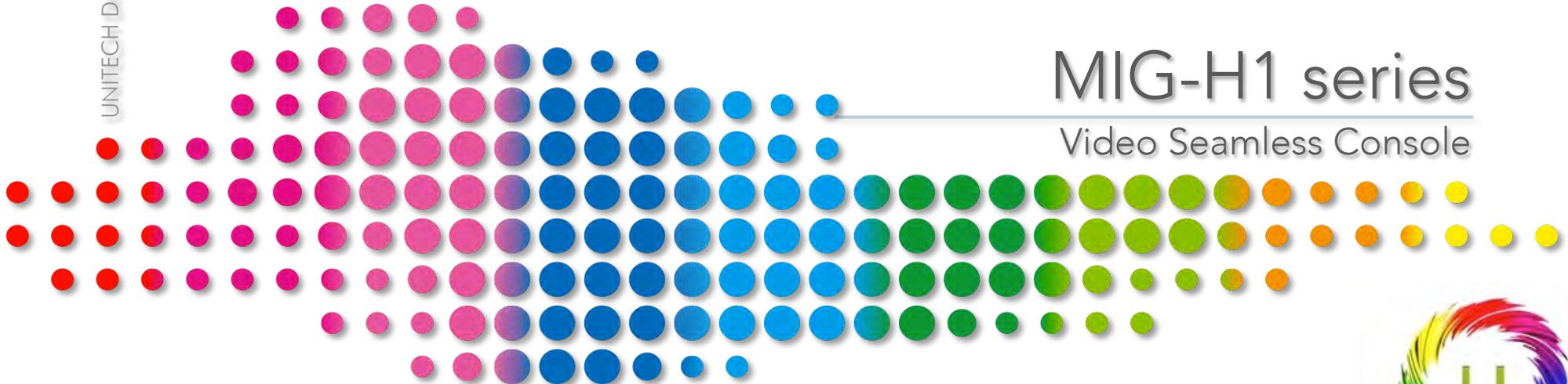
## MULTI HOST SPLICING



To connect each signal source to corresponding V2 host, when there is layer that straddles across two V2 hosts, take layer A for example, use a video splitter to connect signal A to two hosts respectively; group the hosts as required.

1. Correct the program output position,  
splice multi host program output together.
2. Choose hosts independently, edit scenes  
separately.
3. Multi host scenes synchronous saving.

Multi host template synchronous saving and loading, easy to achieve multi scenes seamless switch.



## MIG-H1 series

Video Seamless Console



# MIG-H1 Console

Single MIG-H1 can control up to 9 sets of MIG-V4/V3/V2 hosts. When the LED video host works with H1, it can realize large LED video wall splicing display with multi-scene, multi-layer switching, backup functions etc, and it is widely applied in auto show, conference , products launching, and stage show etc events.

MIG-H1 adopts a high brightness & scale LCD screen to display the entire menu system. If we use the front buttons to set the device, the LCD screen will show the corresponding menu according to user operation. T-bar analog stick are designed to prompt the user to operate better, faster and more intuitive.

## MACHINE SPECIFICATION

Power Supply	100-240 AC 50/60Hz
Power Consumption	25W
Operation Temperature	0-45°C
Size	483x575.8x133.6mm
Weight	10.6Kg

## INCLUDING ACCESSORIES

Power Cable	1
Network cable	1
Pan drive	1
Certificate	1
Gooseneck lamp	2
User Manual	1
Screw	8
Flange bar	2



## FEATURES

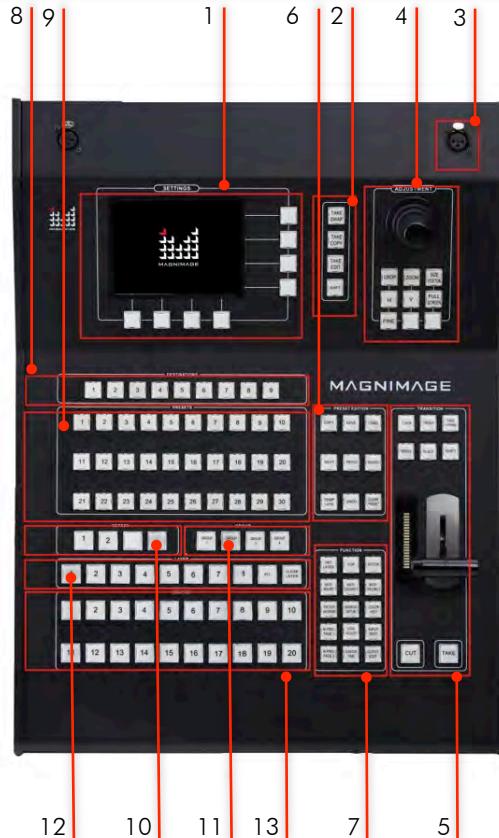
- MIG-H1 can control V4/V3/V2 hosts.
- Single MIG- H 1 can control up to 9 sets of V4/V3/V2 hosts or different types of hosts.
- Support 30 presets to switch seamlessly.
- Host background capture and text overlay function.
- T-bar switch and TAKE, CUT different transition effects.
- Support group function to control multi host.

## OPERATING MODES

1 kind of operation mode: button operation.

Button operation: operate by the button to realize different functions and settings.

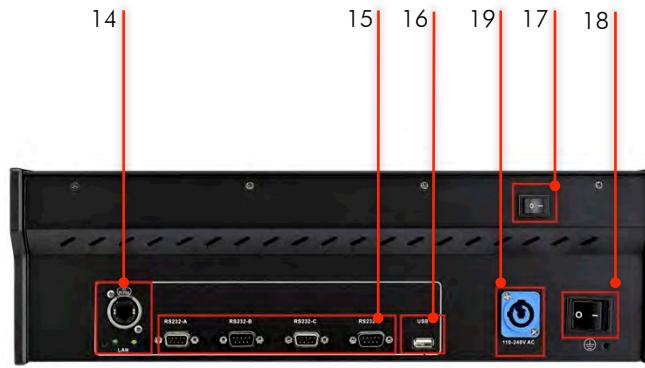
# MIG-H1 Console



## INTERFACE DESCRIPTION FRONT PANEL

1	Screen and menu setting area: Enter or exit menu, control cursor move up and down, and in special menu, realize appointed functions.
2	Switch mode option area: We use this area function setting to achieve copy, switch, or EDID mode in between the main program and preview output. For example, long press SHIFT + short press TAKE EDID keys, the main program output and preview output will be same. To switch preview layers property, the main program output will be changed, which can be used in adjustment be/bre activity.
3	Lights interface: Connect the lights.
4	Adjustment area: Analog stick: up, down, left, right and rotate, can control cursor move up and down and enter or exit menu, in special menu, modify size and position of layers.
5	Transition area: Using T-bar, CUT and TAKE can switch between preview and main screen by different transition effects. Freeze the output image, black the screen, lock the console.
6	Preset editing area : To cooperate with the 1-30 buttons, we can to save, copy, call and delete, Preset the time-Task, using some internal patterns, such as: long press SAVE and short press the preset key, it can the showing status lo save on the order number key
7	Function area : Short cut key for functions in menu. Top and bottom layers. Choose background 1,2 or 3. Choose a pure color background. Color key, VGA adjustment. Choose multi screen previews page 1 or 2. Set fade in and fade out time. Input and output edit shortcut keys.
8	Destinations area : According to the number of the IP addresses of hosts, from minimum lo maximum corresponding lo 9 hosts respectively.
9	Presets area : The order number key1-30can corresponds to its own saving presets, it need lo cooperate with No 6 area to operate.
10	Output screen selecting: It stands for two output channels.
11	Group area: Hosts which controlled by H1 can be grouped. Far example, press and hold Group 1 and press 1 and 2 in Destinations area, host 1 and 2 are grouped into group 1. H 1 can set 4 groups.
12	Layer area: To increase the layers in the preview output The button of 1 lo 8 corresponds to 8 layers, Clear layer + order number button: clear current layer; Clear+All: clear all layers
13	Input selecting area: Corresponding to input sources. Firstly choose No.12. layer, then press number button in input source area, the selected source will display on the chosen layer.

# MIG-H1 Console



## INTERFACE DESCRIPTION BACK PANEL

14	LAN port: H1 can control the V series host. H1 can link to hosts via LAN. It uses a crossed networking wire, one side 586A, the other side 586B.
15	RS232 control port: Reserve RS232 control port.
16	USB port: By inserting USB stick can upgrade MIG-H1; store or read preset file through USB flash disk.
17	Light switch: Turn on or off the light.
18	H1 power switch: Turn on or off H1.
19	MIG-H1 power port: Insert the power line.

## MIG-H1 Console

**SIZE:** 19.01" x 22.66" x 5.25" (483 x 575.8 x 133.6 mm)

**WEIGHT:** 23.36 lb (10.6 kg)

**ORDER CODE:** UNIPROMIGH1

# MIG-H1 Console

## H1 CONTROLS A SINGLE V4



### SINGLE DEVICE MOSAIC

Two program outputs , according to modify the main output position, we can achieve horizontal(default) or vertical splicing H1 can link to hosts via LAN. It uses a crossed networking wire, one side 586A, write-green, green, write- orange blue brown etc. while the other side 586B write-green, green, write- orange blue brown.

### REPLAY-SHOWING FUNCTION

Besides the audiences down by the stage need to watch the main screen, speaker need to prepare their own scripts on a small screen in front of them. It can relieve the speaker's stress. The auxiliary Replay-showing function also can output a secondary screen.

# MIG-H1 Console

## H1 CONTROLS A SINGLE V3



### SINGLE DEVICE MOSAIC

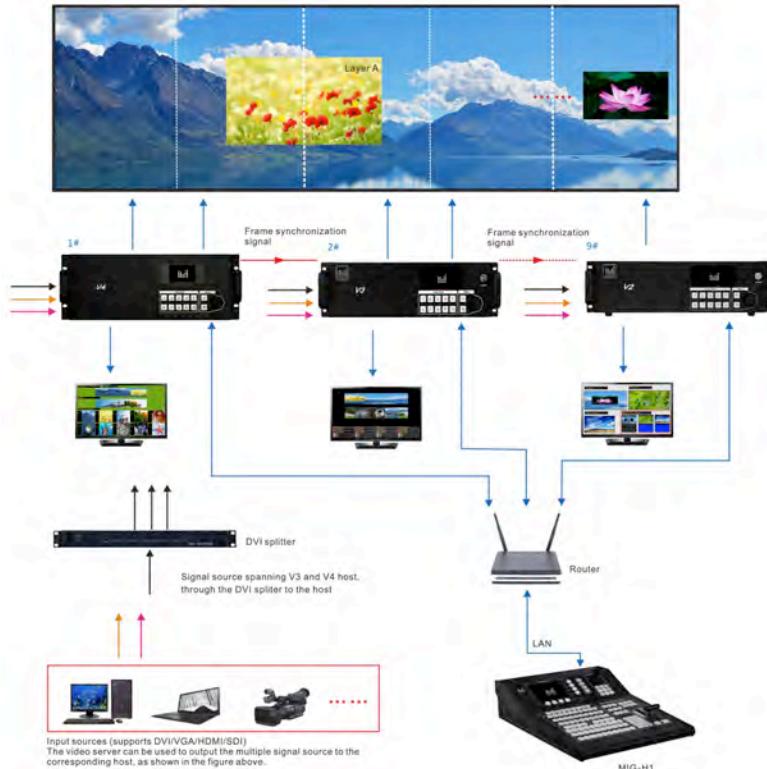
Two program outputs , according to modify the main output position, we can achieve horizontal{default} or vertical splicing H1 can link to hosts via LAN. It uses a crossed networking wire, one side 586A, write-green, green, write- orange blue brown etc. while the other side 586B write-green, green, write- o range blue brown.

### REPLAY-SHOWING FUNCTION

Besides the audiences down by the stage need to watch the main screen, speaker need to prepare their own scripts on a small screen in front of them. It can relieve the speaker's stress. The auxiliary Replay-showing function also can output a secondary screen.

# MIG-H1 Console

## H1 CONTROLS MULTIPLE HOSTS



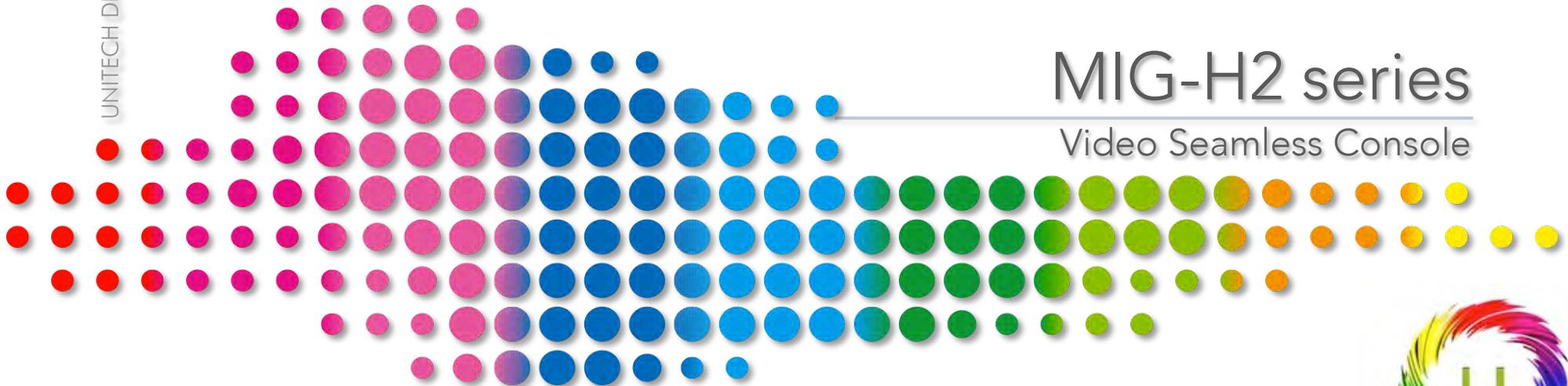
### MULTIPLE HOSTS MOSAIC DISPLAY

Connect video sources into V2, V3 and V4 hosts in order. V4 host, when it has layer strides across two V2 V3 hosts, take layer A for example, use a video splitter to connect signal A to two hosts respectively; group the hosts as required.

1. Correct the program output position, splice multi host program output together.
2. Choose hosts independently, edit scenes separately.
3. Multi host scenes synchronous saving.

Multi host template synchronous saving and loading, easy to achieve multi scenes seamless switch.

When H1 control multiple host, we need set a local area network involving H1 console and V series hosts, for showing on the above graphic, multiple internet network connect with the router and switchboard



## MIG-H2 series

Video Seamless Console



# MIG-H2 Console

Single MIG-H2 console can control 9 V2 al most, when works with V2 . It can realize multidisplay effects ,multi-layer switching, multi-scene switching, backup, etc. And it is widely applied in auto show, conference, products launching, and stage show etc events.

MIG-H2 adopts a high brightness LCD screen to display the menu. Via the front interface keys to setup the machine, then the LCD screen will display the current menu. The T-bar and racking bar are designed for convenient and visualized operation.

## MACHINE SPECIFICATION

Power Supply	100-240 AC 50/60Hz
Power Consumption	25W
Operation Temperature	0-45°C
Size	516x320x133.6mm
Weight	6.3Kg

## INCLUDING ACCESSORIES

Power Cable	1
Crossed network cable	1
Certificate	1
Gooseneck lamp	1
User Manual	1



## FEATURES

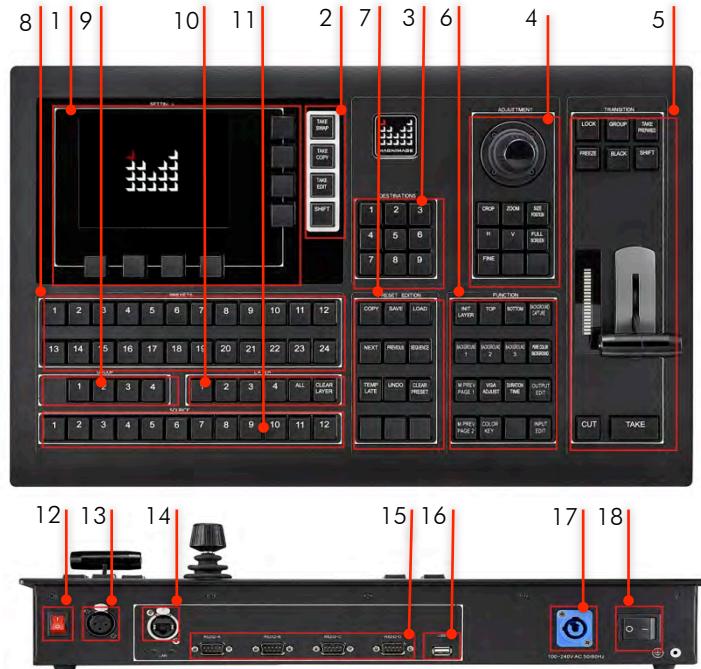
- H2 can work with multi-V2,or single machine operation
- Single H2 console can control 9 V2 al most ,or other mainframes.
- Save max 24 presets ,powerful multi-scene seamless switching
- Support LOGO capturing and image-text overlay
- T-bar switching ,cui and take effects keys for switching
- Support group control function in the case of multi-V2 cascading connection

## OPERATING MODES

One kind of operation pattern: button control.

Button control: realize kinds of function by operate the panel keys manually.

# MIG-H2 Console



**MIG-H2 Console**

**SIZE:** 20.31"x12.59"x5.25" (516x320x133.6mm)

**WEIGHT:** 13.88 lb (6.3 kg)

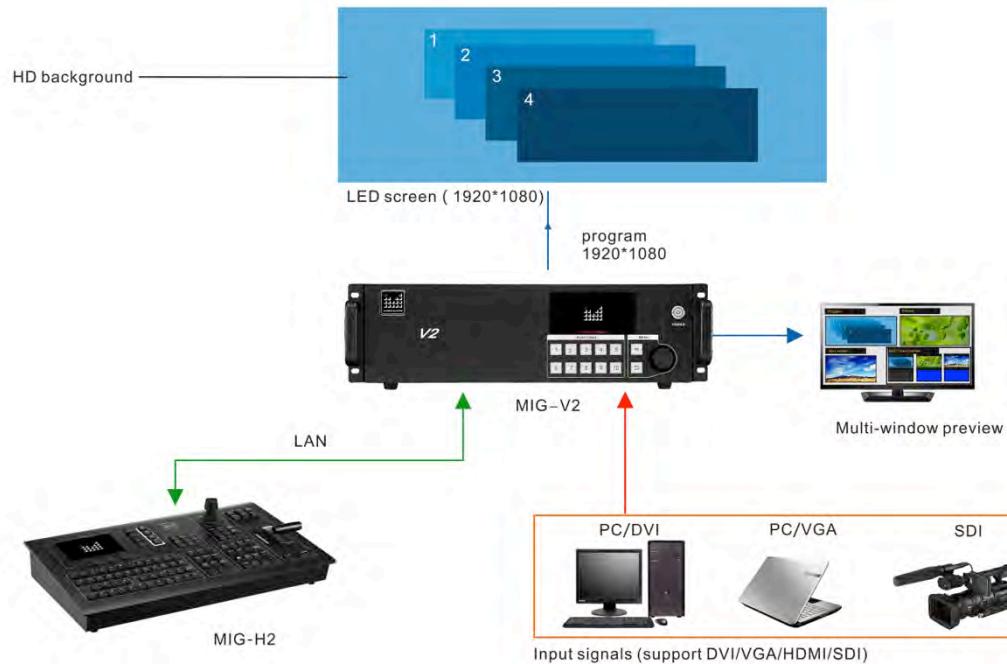
**ORDER CODE:** UNIPROMIGH2

## INTERFACE DESCRIPTION FRONT/BACK PANEL

1	Screen and menu setting area: Enter or exit menu, control cursor move up and down, and in special menu, realize appointed.
2	Mode option area: We use this area function setting to achieve copy, switch, or EDID mode in between the main program and preview output.
3	Destinations area: According to the number of IP addresses of hosts, from minimum to maximum corresponding to 9 hosts respectively.
4	Adjustment area: Analog stick up,down,left,right and roate,can control cursor move up and down and enter or exit menu, in special menu, modify size and position of layers.
5	Switching area: Control the speed of switching by T-bar, SHI FT + BLACK / FREEZE key to output black single in program or freeze the program image, besides, the key TAKE and CUT can also be used for fade or instant switching.
6	Function area: Shortcut key for functions in menu. Top and bottom layers. Choose background 1,2 or 3. Choose a pure color background .Color key, VGA adjustment. choose multi screen previews page 1 or 2. Set fade in and fade out time . Input and output edit shortcut keys.
7	Presets edit area: Via SAVE,COPY,LOAD key to save /copy/load the presets, after time setting up in the menu ,user can press Next key to enter the next task , press Previous key to back to the previous task, and press Sequence key to restart the task.
8	1.Presets option area: Each number key can corresponds to its own saving presets,also the user could save presets wanted by him/herself with the buttons in preset edit area.
9	Group area: MIG-V2 which controlled by H2 can be grouped. max 4 groups, divide the V2 into groups by the group function in menu.
10	Layer area: The button of 1 to 4 corresponds to 4 layers, clear layer+order number button: clear current layer; Clear+All: clear all layers. Layer in setting is red.
11	Input selecting area: Number buttons 1 to 12 are correspond to 12 inputs, and the current signal of layer can be choosed, its color is red .
12	Console light switch
13	Console power port
14	LAN port: H1 can control the H2 host. H1 can link to hosts via LAN. It uses a crossed networking wire, one side 586A, the other side 586B.
15	RS232 control port Reserve RS232 control port.
16	USB port : By inserting USB stick can upgrade MIG-H1; store or read preset file through USB flash disk.
17	Power port : Insert the power line.
18	Console power switch

# MIG-H2 Console

## H2 CONTROLS A SINGLE V2

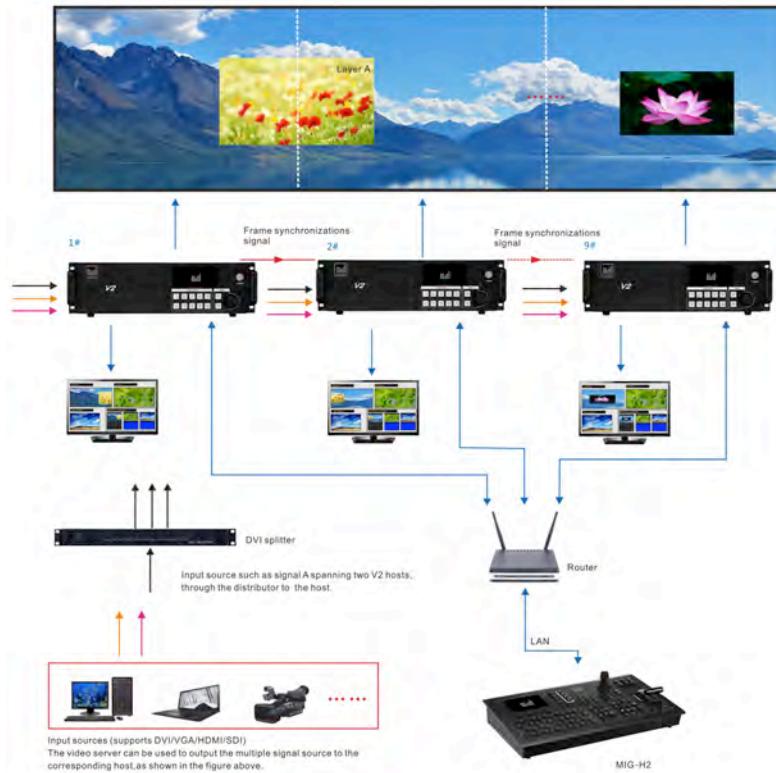


### APPLICATION OF SINGLE

Output 4 movable layer and one high definition background , and monitor the inputed signals at current time with multi-window preview function.

# MIG-H2 Console

## H2 CONTROLS MULTIPLE V2 HOSTS



## MULTIPLE HOSTS MOSAIC DISPLAY

Connect video sources into corresponding V2 host. When it has layer strides across two hosts, such as layer A, use a video distributor to connect signal A to the two hosts respectively; group the hosts as required.

1. Correct the program output position, splice multi host program output together.
2. Choose hosts independently, edit scenes separately.
3. Multi host scene saving synchronously.

Multi host template synchronously saving and loading, easy to achieve multi scenes seamless switching.