



2-0-2-4

PRODUCT CATALOGUE

LIVE STREAM SWITCHER / PTZ CAMERA / SIGNAL GENERATOR
CAPTURE CARD / VIDEO PROCESSOR

XIAMEN SPROLINK SCIENCE & TECHNOLOGY CO., LTD

Unit 1007-1010, No.2 Building, Torch Xinke Plaza, Road 2 Weili, Huli district, Xiamen, China

sales@sprolink.com +86 592 5565698 www.sprolink.com





About Us SPROLINK®

About Us

Xiamen SPROLINK Science & Technology Co., Ltd. short for SPROLINK, was established in April, 2018 and is headquartered in Xiamen which is a high-tech enterprise integrating R&D, production, sales and service. We adhere to the sacred mission of "making live broadcasting easy in the world" and the great vision of "becoming the leader in corporate live broadcasting and the lawmaker of industry standards", we commit to providing overall live broadcasting solutions to customers in various industries around the world. Since its establishment, we persisted in exploration and innovation, worked closely with upstream and downstream industries, and successively launched a series of products referring to live broadcast solutions and audio and video processing as its core. Taking use of live streaming to create benefit for enterprises. Our products and services will bring new changes to the industry and grow together with the development of the industry and customers. Supporting enterprises enhance their brands, marketing, and create benefits through equipment and services is the unwavering service purpose and the value pursuit of SPROLINK.

SPROLINK is dedicated to quality, stability and affordability on where it's needed most. Creative solutions help our clients to enjoy compelling entertainment experiences and created a various of well-known and most talked about products and events in ProAV industry in past years, with cutting-edge technologies and performance, we have designed and engineered a wide range of audio and video solutions in the Rental & Staging, Corporate, Broadcast and boardroom etc like Media Storm in Times Square, 283inch LED TV in Royal Family theater and Royal Thai Army, user-friendly, scalable designs and well supported product interfacing lead customer oriented and performance outcomes, our commitment to clients is to keep thriving on innovation and providing creative, attractive and revolutionary solutions to refresh and blossom the AV industry in the future.



Hardware Platform
Architecture Design



FPGA Technology
Secondary Development



Software Development
Platform Design



Customer Oriented
Customized Development
Capabilities



Contents

Live Stream Switcher NeoLIVE R2 Plus / NeoLIVE R2	05
Brand New 4K Multi-camera Capture Card	15
PTZ Smart Camera 4K60P Professional PTZ Camera 4K All-in-One USB Video Bar 4K Professional Box Camera	19
Desktop-Based All-in-One Live Stream Device EZ1	25
Cloud-Based All in One Live Stream Device M6	27
Tally System PT04	29
Signal Generator SG-HD	31
Signal Extender LK-HBT3 / LK2-DP / LK2	35
Video Processor VD Series / VF4 PRO / VF1 PRO / VA1	41
Module Based Seamless Matrix LMX8-N / LMX16-N / LMX32-N	49
Portable Monitor PM Series	55
Wireless Presentation System T Series	57

FEATURES

- 5.5inch 1080P Display with Better Image Quality
- Type-C for USB3.0 Live Stream
- Dual Channel RTMP Stream via Ethernet
- Recording on USB Flash Disk & Portable HDD
- Support 4 x HDMI Input for 4 x Cameras
- Joystick Control PTZ Camera Easily
- Load PNG Logo& JPG File Directly via USB Flash Disk
- Dual HDMI Output for PGM
- FADE, DIP, DVE, MIX & More Transition Effects
- Built-in Audio Mixer
- Built-in Audio/Line Port for Monitoring
- Support Multi Low Third Switch
- Built-in Web Server to Control via Browser

Function & Feature

Ethernet access by filling in the streaming key for dual-channel streaming

The NeoLIVE R2 Plus has a built-in hardware stream engine that enables live stream through an Ethernet connection without any computer. After selecting the live streaming platform and inputting the streaming key through the built-in web server, high-quality and image frame lossless live broadcasting can be carried out on platforms such as TIKTOK, YouTube, Facebook and so on.



BRAND NEW MULTI-FUNCTIONAL LIVE
STREAMING SWITCHER

NeoLIVE R2 Plus

Supports Type-C USB3.0 Lossless Stream

USB Disk and HDD Recording

Dual-Channel Live Stream via Connecting Ethernet

NeoLIVE R2 Plus is a newly upgraded multi-functional video switcher that integrates switching, live streaming, multi-PTZ camera control, a mixing console, effects transitions, and recording. It has a built-in hardware streaming engine that can match various types of streaming software to create high-quality, professional multi-camera productions and achieve live multi-platform streaming.



4 Independent PTZ Cameras Connection

The NeoLIVE R2 Plus features four-channel hdmi inputs that connect to separate camera and automatically re-sync for signal sources in different formats to accommodate different image angles.



Support USB Disk and HDD Recording

NeoLIVE R2 Plus supports the direct storage of live streaming data to a usb flash drive or mobile hard drive. After the live stream is over, the data can be used as a post-production video, which can reduce the workload of post editing and production for long-term storage and record.



Built-in 5.5 inch 1080P HD LCD Monitor

Built-in 5.5inch 1080P HD LCD monitor shows the real-time display and makes the menu operation more easier and clear.



Virtual Image Chroma Key Algorithm

The NeoLIVE R2 Plus features a powerful cinema-level chroma key algorithm, which can sample the background color using the color picker, automatically generating the image keying parameters. It brings you accurate edge and spot control, making it a helpful tool for news broadcasts or live speeches.



Dynamic Multi-Icon Switch Display

NeoLIVE R2 Plus supports the importation of dynamic icon materials into live streaming, eliminating the limitation to static image materials and making the images more vivid and rich.



Multiple Customized Transition Effects for Richer Image Scene

The NeoLIVE R2 Plus offers a variety of transition effects, including FADE, WIPE, DIP, DVE and others. Additionally, it features a timer button that allows users to set video effects duration of 0.5 seconds, 1 second, and 1.5 seconds, enabling smooth transitions between various scenes.



Support USB Disk Image Load with JPG & PNG Format

NeoLIVE R2 Plus allows you to directly import images from a usb flash drive instead of via a pc. It supports jpg/png formats and serves as a troubleshooter for multiple device connections.



Equipped with Audio Input Interface to Monitor Input and Output Audio at Any Time

The NeoLIVE R2 Plus is equipped with a headphone port for real-time monitoring of any input or output channel.



Joystick Control PTZ Camera

The router can realize the 4 x ptz camera control, it is easy to realize multi-camera switch.



Type-C Interface Lossless Stream

NeoLIVE R2 Plus is equipped with a more convenient type-c interface. User can install live streaming software such as OBS/Portplayer/Vmix on PC to perform live streaming and recording and it highly restores the image quality of 60 frames and high degree of color sampling.



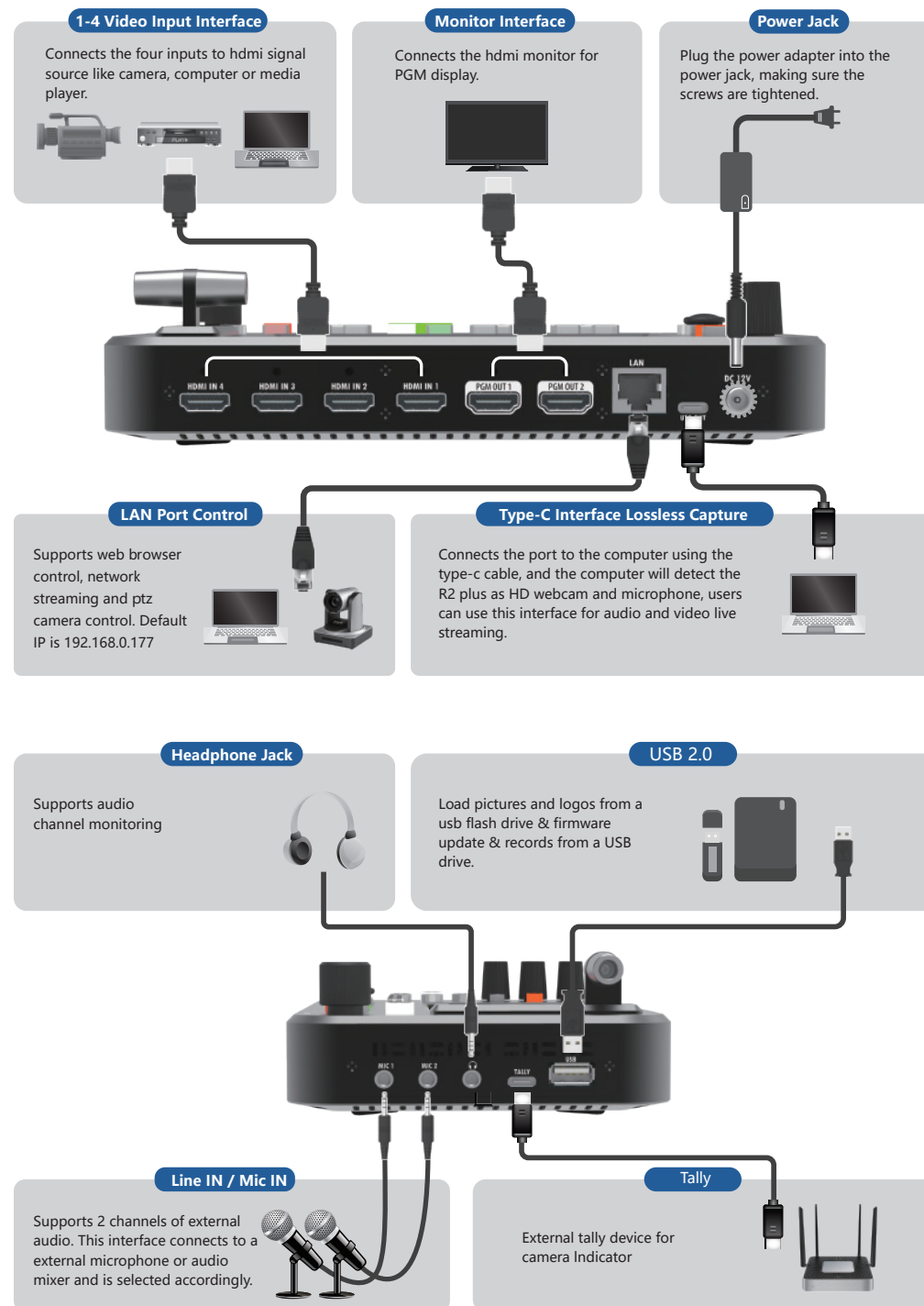
HDMI Dual-Channel Output for Image Monitor

The NeoLIVE R2 Plus is equipped with dual-channel hdmi output and it can accommodate two display terminals at the same time, which is convenient for on-site monitoring.



Built-in Audio Mixer to Facilitate Real-Time Mixing of Audio Sources

The NeoLIVE R2 Plus has a built-in professional audio mixer that supports both AFV and MIX audio modes, enabling mixing output of hdmi embedded audio and multi-channel external audio.



E-commercial Live Streaming

NeoLIVE R2 Plus is the best choice for E-commerce live streaming studios. It can realize multi-scene switching during product presentations online. Its compact and portable design makes it more flexible in small studio spaces.



Conference Presentation

In a corporate conference, NeoLIVE R2 Plus can support multi-scene switching, such as using one camera for close-up views and another for wide-angle views. It can also accommodate a computer for PowerPoint presentations. Additionally, it supports Picture-in-Picture (PIP), enhancing the visual experience.



Education Training

NeoLIVE R2 Plus supports multi-camera switching and Chroma, enabling the creation of virtual classroom scenes for online education. Additionally, it supports interactivity.



Concert

In small concerts, NeoLIVE R2 Plus can facilitate multi-camera screen switching and audio monitoring on the performance stage. It allows for switching between different viewing angles and details during the concert. This enables the audience to have a more comprehensive visual experience.



E-game Live Streaming

As long as user connect several game consoles with NeoLIVE R2 Plus, and one camera for commentary, then can do live streaming on different kind of platform. User can also use NeoLIVE R2 Plus to add title for the commentary, to make the live streaming more interesting.



Video Conference

The NeoLIVE R2 Plus can switch between multiple-camera positions in a video conference and seamlessly switch video signals between multiple computers.



Connector	Input	HDMI 1.3	4xHDMI-A	HDMI Source Interface
		USB 2.0	1xUSB TypeA	Load Image / Recording
	Output	HDMI1.3	2xHDMI-A	PGM Output
		USB 3.0	1xUSB TypeC	UVC Output Interface
Audio	USB 2.0	1xUSB TypeC	Tally Interface	
	IN	2x3.5mm stereo Jack	MIC / LINE Stereo Input	
Communication	PHONES	1x3.5mm stereo Jack	Monitoring Output	
	LAN	1xRJ45	Lan Port Control Lan Port Stream PTZ Control	
Input Resolutions	HDMI	SMPTE	720p@50/60 1080i@50 1080p@24/30/50/60	
		VESA	1024x768@60 1280x768@60 1280x800@60	
			1280x1024@60 1360x768@60 1366x768@60	
			1440x900@60 1600x1050@60 1680x1050@60	
			1920x1080@23.98/24/25/29.97 /30/50/59.94/60	
Output resolutions	HDMI	SMPTE	1080p@24/30/50/60 1080i@50/60	
	USB3.0	Video Streaming	1080p@24/30/50/60	
Performance	Video Sampling	YUV 4:4:4		
	Latency	<3 frame		
	Audio latency	0-2000ms		
Power	Input Voltage	12V/1.5A		
	Constant power	18W		
Environment	Temperature	0°C~70°C		
	Humidity	10%~85%		
Weight	Net Weight	0.5kg		
	Gross Weight	1.25kg		
Dimension	Device Dimension	220mm x 126mm x 33mm		
	Package Dimension	260mm x 160mm x 120mm		



MULTI-FUNCTIONAL ALL IN ONE BROADCAST VIDEO MIXER

NeoLIVE R2

Realize Lossless 1080@60Hz HD Live Streaming Via USB 3.0 Port
Multiple Transition Effect Like FADE, WIPE, DIP & DVE Etc
Fully Functional all in one Broadcast Video Mixer

NeoLIVE R2 is a dedicated and professional mixer and signal switcher, which is the first in the world to feature a built-in 5.5-inch LCD monitor for 10 windows & multi-view. With a USB 3.0 port, it can stream any four camera signals to any live streaming platform or third-party software like OBS, achieving 1080P display without any signal loss. Furthermore, through NeoLIVE R2's unique STILL|CTL port, users can add pictures and logos during live streaming. NeoLIVE R2 also supports Picture-in-Picture (PIP) function with customizable size and position. With two layers and a BK layout, it can meet the requirements of most live streaming applications with broadcast-level functionality.

FEATURES

- Built-in 5.5" LCD Monitor for All Inputs and Outputs Preview
- With USB3.0 Port Present a Wonderful Live Streaming
- Support Multiple PTZ Camera Control
- Support Media Store, Upload Still Pictures
- Support PIP for Variety of Layout
- Support Audio Mixing with Flexible Control
- Support T-BAR Transition Switching
- Support Movie-Level Chroma Key Function
- HDMI / USB Output with PGM / PST / PVW Selection
- Support up to 4 x HDMI Inputs for Various of Format
- With Earphone Port, Realize Audio Monitor for any Audio Input and Output

Function & Feature

5.5" Equipped With 5.5 LCD Monitor

Built in a 5.5" LCD monitor and a USB 3.0 port for live streaming, the R2 allows users to preview all inputs and output content in a grid layout without the need for an extra monitor. Additionally,



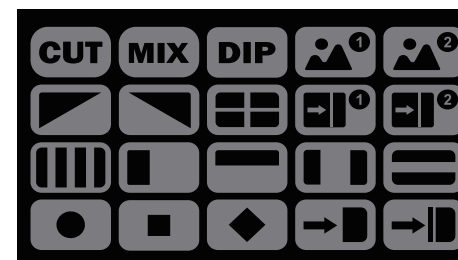
USB3.0 Port for Live Streaming

The R2 can be recognized as a high-quality webcam by a PC, enabling live streaming at 60 fps in YUY2 format. It offers the smoothest live streaming experience with high image quality.



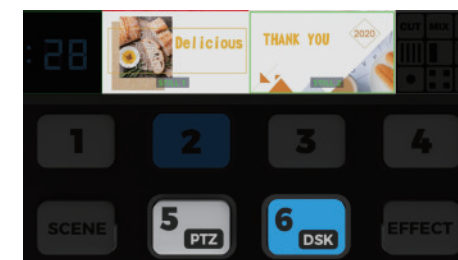
Various Transition Effects

The R2 supports 15 transition effects. When the EFFECT button is pressed, users have access to different transitions. Along with the built-in pictures, the R2 can realize more advanced transitions like stingers or graphic slides with ease.



Media Pool Storage

Built with internal storage, the R2 supports picture content without occupying any input channel, allowing users to insert different backgrounds during live streaming or transitions.



Any PIP Layout and Load

User can adjust the PIP in any size and position on board. R2 has also built-in multiple universal layout for live streaming. You can also create any customized layout.



Configurable HDMI and USB Output

The content of HDMI and USB3.0 output port can be set as HDMI1/2/3/4/PST/PGM/PVW. Meet the variety of live streaming use.



Audio Monitoring Interface

R2 is equipped with a headphone monitor interface, which can monitor any audio input or output channel in real time. Audio control is so easy.



Professional Audio Mixer

With the built-in professional audio mixer, R2 support AFV and MIX audio modes, you can choose two channels for audio mixing from 4-HDMI embedded audio and 2-external audio. User can easily respond to the complex audio needs for various live broadcasts.



Dual Level Heat Dissipation

With its unique heat dissipation design, R2 can provide quiet live streaming and avoid picking up environmental noise through the microphone.



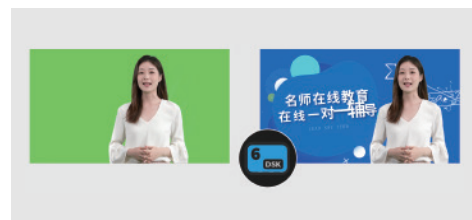
PTZ Camera Control

R2 can also be used as a PTZ camera controller, up to 4 PTZ cameras can be controlled through the router.



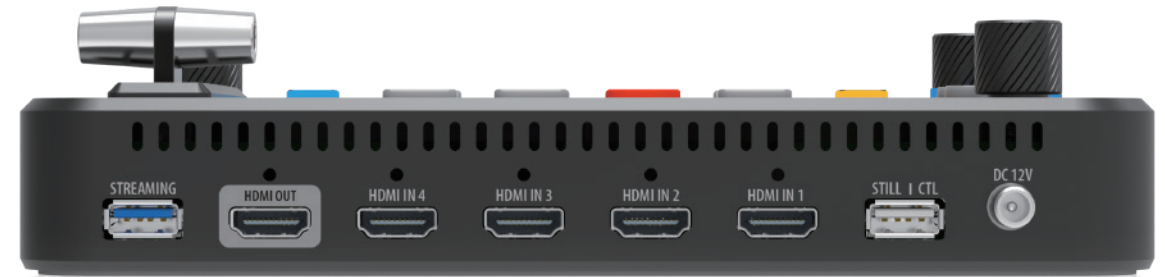
Movie-level Chroma Keying Algorithm

R2 supports 4 channels chroma key. Built-in powerful chroma keying algorithms. Perfect for live streaming with virtual background.



T-BAR Switching with Ultimate Experience.

R2 has built-in various of transition effects, which can be quickly assigned by the EFFECT button, then use the AUTO button to achieve the effect transition. Users can also change transition effects through T-BAR. Broadcast-level transitions are under control.



Connector	Input	HDMI 1.3	4xHDMI-A	HDMI Input source connector
		USB 2.0	1xUSB TypeA	File loading / Upgrade / Communication
Connector	Output	HDMI1.3	1xHDMI-A	PVW/ PGM / PST
		USB 3.0	1xUSB TypeA	UVC Output Port
Audio		IN	2x3.5mm stereo Jack	Compatible MIC/Line input
		LINE OUT	1x3.5mm stereo Jack	AUX Output
		PHONES	1x3.5mm stereo Jack	Audio monitor
Communication		LAN	1xRJ45	LAN Control PTZ Control
	Input resolutions	HDMI	SMPTE VESA	720p@50/60 1080i@50 1080p@24/30/50/60 1024x768@60 1280x768@60 1280x800@60 1280x1024@60 1360x768@60 1366x768@60 1440x900@60 1600x1050@60 1680x1050@60 1920x1080@23.98/24/25/29.97 /30/50/59.94/60
Output resolutions	HDMI	SMPTE	720p@50/60 1080p@24/30/50/60	
	USB3.0	Video Streaming	720p@50/60 1080p@24/30/50/60	
Performance	Video Sampling	YUV 4:4:4		
	Latency	<3 frame		
	Audio latency	0-500ms (0-30/25 frame)		
Power	Input Voltage	12V/2A		
	Constant power	20W		
Environment	Temperature	0°C~70°C		
	Humidity	10%~85%		
Weight	Net Weight	0.5kg		
	Gross Weight	1.25kg		
Dimension	Device Dimension	220mm x 126mm x 33mm		
	Package Dimension	260mm x 160mm x 120mm		

FEATURES

- Built-in 5.5-inch 1080p Display
- Intuitive Touch Screen Interface
- Supports 4K Input and Loop-out with Higher Image Quality
- Supports Proportional Cropping for Multiple Camera Positions
- Supports Multi Virtual Camera Movement , Making the Image Transition more Advanced and Smooth
- Support Solid Color Output for Multi-camera Function
- Supports Switching Between Horizontal and Vertical Screens, Flip and Mirroring Setting for Horizontal and Vertical.
- Equipped with Audio Input Interface to Monitor Input and Output Audio at AnyTime

Functionality & Feature

BRAND NEW 4K MULTI-CAMERA CAPTURE CARD

MC-4K

5.5-inch 1080p Touch Screen

Supports Switching between Horizontal and Vertical Screens

Supports 4K Input and Loop-out Screen

Equipped with Audio Monitoring Interface

Through the screen cropping function, the MC-4K cuts the 4k display into multiple 1080p display to obtain close-up images with special switching effects, It simulated camera movement function through the combination of virtual and real technology.



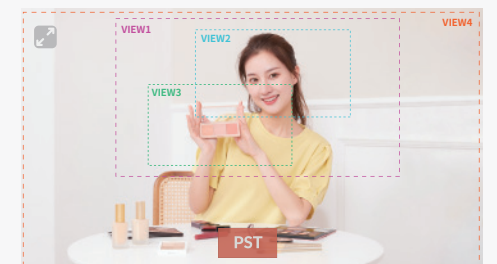
Built-in HD Touch Screen

The 5.5-inch HD screen displays real-time images, user can operate and edit by the touching screen easier.



Multiple Image Positions

4K images can be captured and cropped up to four 1080p images as output at any position Proportionally.





Multi-camera Lens Movement

Simulated camera movement can be realized between pictures, so that the transition is more smooth, and user can also adjust speed to make the image more dynamic, which makes the streaming studio more advanced and distinctive.



Support LUT Files

Supports embedded multiple LUT files, user can use different LUT files according to the various live broadcast scenes to make the output picture more vivid and natural.



Switch Between Horizontal and Vertical Screens

Support horizontal and vertical screen models, user can flip and change output images to adapt to more live streaming scenarios without rotating the direction of the camera.



Live Stream Interview

The characters are used as close-up images by cropping the screen, through the camera movement, can the close-up images being switched among multiple cameras.



E-commercial Live Streaming

Preset LUT files can be uploaded to the capture card to enhance the color details of the products displayed, making them more vibrant for the audience. This can attract more traffic to the live streaming room.



Interface	Signal input	HDMI2.0 x 1	Most Supports Input and loop-out 3840x2160@60 and 4096x2160@60 4:4:4
	Balanced Audio Input	3.5mm x 1	Supports LIN and MIC Modes
	Signal Output	HDMI2.0 x 1	Video Signal Loop Out
		HDMI1.4-A x 1 (PGM)	Video Broadcast Signal Interface
	Headphone Output	3.5 mm x 1	For Headphone Monitoring
	USB TYPE-C	UVC3.0 x 1	Used for UVC Streaming and USB Control and System Underlying Upgrade
Format Support	HDMI Input	4096x2160/3840x2160@23.98/24/25/29.97/30 2560x1440@60 1920x1080/1280x720@23.98/24/25/29.97/30/50/59.94/60	
	HDMI PGM Output	1080p60/59.94/50/30/29.97/25/24/23.98 1080i50/1080i60	
	HDMI Color Space	RGB/YUV	
	UVC Output	Maximum support 1080p60 YUV/MJPEG	
Other	Input Power	5V (USB TYPE-A)	
	Dimensions (LDW)	151 x 91.6 x 29mm	
	Equipment Weight	1500g	
	Operating Temperature	Working Temperature: 0°C~50°C Storage Temperature: -30°C~70°C	
	Accessories	USB 3.0 cable x 1	

PRODUCT OVERVIEW



4K60P PROFESSIONAL PTZ CAMERA SCV-UAI-12X/20X

4K60P

Use 1/1.8-inches high-quality UHD CMOS sensor with a maximum of 8.42 million pixels can realize 4K (3840x2160) ultra-high-resolution high-quality images. And downward compatible with 1080p, 720p and other resolutions.

AI Tracking

With the help of the AI computing power of the chip, the camera is equipped with advanced AI algorithms to realize monocular humanoid tracking, which can realize automatic tracking of scenes such as education, conferences and live broadcasts.

Voice Tracking ¹

The built-in intelligent AI algorithm uses dual microphones to accurately locate the sound source. The camera can automatically find the speaker and track the speaker. When different speakers speak, the camera can switch between different speakers.

Multiple Interfaces

Support HDMI and 3G-SDI interface, effective transmission distance of 3G-SDI is up to 150 meters (1080P30). HDMI or 3G-SDI, USB, LAN can output three HD digital signals at the same time.

NDI®|HX2 (Optional) ²

NDI®|HX2 has the characteristics of low delay and plug and play, which is convenient for project implementation and deployment. It has good ecology and supports the simultaneous transmission of audio, video and control commands. It is a new generation of network video transmission mode.

HDMI2.0

Support HDMI 2.0 interface, which can directly output 4K/60P uncompressed digital video.

20x Optical Zoom + 60° Wide-angle Lens

It adopts 4K ultra long focal lens with high quality and 8 million ultra-high resolution, 20x optical zoom, and the maximum field angle is 60°.

Built-in Dual Microphones ³

Built-in dual microphones use the beamforming algorithm to accurately pick up the sound. The unique noise suppression algorithm makes the speaker's voice clearer and more realistic, and the pickup distance is up to 6 meters.

USB3.0 ²

The optional USB3.0 interface can transmit uncompressed original video images and is backward compatible with USB2.0.

Low Illumination

The application of 3D noise reduction algorithm greatly reduces image noise. Even under the condition of ultra-low illumination, it still keep the picture clean and clear, and the SNR of image is as high as 55dB.

Remote Control

Support variety of control methods, you can use RS232, RS485, network and USB to control the camera.

Gravity Sensor ²

It supports automatic image flipping function, which is convenient for engineering installation and use.

Remark:

1. This feature is available in subsequent firmware releases.
2. This function is optional.
3. The maximum pickup distance is obtained from the VHD laboratory test, and the actual distance varies depending on the user's environment.

Camera

Signal System	HDMI: 4K/60, 4K/59.94, 4K/50, 4K/30, 4K/29.97, 4K/25, 1080p/60, 1080p/59.94, 1080p/50, 1080p/30, 1080p/29.97, 1080p/25, 1080i/60, 1080i/59.94, 1080i/50, 720p/60, 720p/59.94, 720p/50; 3G-SDI: 1080p/60, 1080p/59.94, 1080p/50, 1080p/30, 1080p/29.97; 1080p/25, 1080i/60, 1080i/59.94fps; 1080i/50, 720p/60, 720p/50
Sensor	1/1.8 inches, CMOS, Effective Pixels: 8.42 Megapixels
Scanning Mode	Progressive
Lens	20x, f = 6.25mm ~ 125mm, F1.58 ~ F3.95
Digital Zoom	16x
Minimum Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Backlight Compensation	Support
Digital Noise Reduction	3D Digital Noise Reduction
SNR	≥ 55dB
Horizontal FOV	60° ~ 3.5°
Vertical FOV	35.7° ~ 2.0°
Pan Angle	±162.5°
Tilt Angle	-30° ~ +90°
Pan Speed	1.8° ~80° /S
Tilt Speed	1.5° ~49° /S
Image Flip	Support
Image Freeze	Support
PoE+	Support
Preset Position	255
Preset Accuracy	0.1°

USB Features

Operating System Supported	Windows 7, Windows 8, Windows 10, Windows 11, Mac OS X, Linux, Android
Color System / Compression	YUY2 / H.265 / H.264 / MJPEG
Video Format	YUY2 :Max.1080p/30(USB3.0); YUY2 :Max.1080p/5(USB2.0); H.264 : Max.2160p/30; H.265 HEVC: Max.2160p/30; MJPEG: Max.2160p/30
USB Audio	Support
USB video Communication Protocol	UVC 1.1~1.5
UVC PTZ Control	Support

Network Features

Video Compression	H.264 / MJPEG / H.265
Video Stream	First Stream, Second Stream
First Stream Resolution	3840x2160, 1920x1080, 1280x720, 1024x576 etc.
Second Stream Resolution	720x576, 720x480, 320x240 etc.
Video Bit Rate	First Stream: 32kbps~51200kbps Second Stream: 32kbps~20480kbps
Bit Rate Control	VBR, CBR
Frame Rate	50Hz: 1fps~50fps, 60Hz:1fps~60fps
Audio Compression	AAC
Audio Bit Rate	96Kbps,128Kbps
Protocols	NDI® HX2, SRT, TCP/IP,HTTP,RTSP, RTMP(s),Onvif,DHCP,Multicast, etc.

Interfaces

HD Output	1x HDMI: Version 2.0; 1x 3G-SDI: BNC , 800mVp-p, 75Ω, as per SMPTE 424M standard
Network Interface	1x RJ45: 10M/100M/1000M adaptive Ethernet
Audio Interface	1x LINE IN: 3.5mm Jack
USB Interface	1 x USB: Type-C (Optional upgrade to USB3.0)
Control Interface	1 x RS485: 3pin phoenix port, Max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P; 1 x RS232 IN: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P; 1 x RS232 OUT: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA only
Power Interface	JEITA type (DC IN 12V)

General Specifications

Input Voltage	DC 12V / PoE+(802.3at)
Operating Temperature	0 ~ 40° C
Storage Temperature	-40 ~ 60°C
Power Switch/ Recovery key/ IR Remote Input	Support
Indicator lamp	Power State, Run State, TALLY Lamp
Power Consumption	18W
Dimension	223 x 154.8 x 165 (mm)
Net Weight	About 1.8Kg

PRODUCT OVERVIEW



4K ALL-IN-ONE USB VIDEO BAR

MET100

4K UHD

Use a high-quality 1/2.5 inches UHD CMOS sensor with 8.51 million pixels. Support max 4K30fps image output and multiple lower resolutions like 1080p/720p.

Integrated Design

The three-in-one design incorporating the 4K UHD camera, the beamforming microphone and the full-frequency speaker helps reduce wiring and makes available easy video communication.

Wide FOV

121° wide FOV (110° horizontal FOV), and 5x zoom; optical lenses tailored for video conferences; built-in electric tripod head horizontal and pitch $\pm 15^\circ$; easier for participants to be videoed.

Beamforming Microphone

Built-in beamforming (BF) microphone, pickup distance is 6m; the low-distortion transverse beamforming algorithm guides the microphone to speaker for better sound effect and make communication more clear, full and true.

Full-frequency Speaker

The acoustically designed high-fidelity speaker minimizes interference and offers extraordinary sound effects.

Easy to Deploy

Flexible installation such as desktop, wall-mount, and TV/display mount are available for quick install and deploy in a crowded conference room.

PnP

Connection to PCs or commercial large screens is realized through PnP USB ports; the out-of-the-box mechanism helps reduce wiring and offers easy-to-handle video communication, thereby lowering the user thresholds.

Audio 3A Algorithm

The built-in audio 3A algorithm (AEC/AGC/ANS) and full-duplex mode meet the communication requirements of various rooms; people who sit at the conference table, sit or stand next to you can talk comfortably and clearly.

Speaker Phone

Mobile phones and other devices can connect to this device via Bluetooth and use it as Bluetooth microphone and loudspeaker, and to connect phone calls to audio and video conferences.

Intelligent Analysis

Built-in intelligent analysis algorithm, voice recognition, participants automatic frame selection, speaker automatic tracking and switching speaker screen to ensure that the speaker is always clear in the screen.

Bluetooth 5.0

Using Bluetooth 5.0 technology, compared with the previous generation technology, the transmission speed is increased by 2 times, and the transmission distance is increased by 4 times. Better transmit the high-quality audio between mobile phone and tablet devices to achieve the wireless Bluetooth streaming.

Rich Interfaces

HDMI 1.4b and USB3.0 supported; simultaneous output of UHD audios and videos is available.

Camera Spec

Signal System	4KP30, 1080P30, 720P30 etc.
Sensor	1/2.5 inches, CMOS, Effective Pixels: 8.51 Megapixels
Optical Lens	121° (DFOV), 110° (HFOV), 75° (VFOV), 5x zoom Horizontal/pitch $\pm 15^\circ$
PTZ	Mechanical PTZ (MPT) + e-PTZ (EPTZ)
Digital Noise Reduction	2D & 3D Digital Noise Reduction
Backlight Compensation	Support
SNR	≥ 55 dB

Audio Features

Full-frequency Speaker	96 dB SPL at 0.5 m
Microphone Array	Beamforming microphone with 6m pickup distance
Expansion MIC	Support (Optional)

I/O

HD Output	1 x HDMI, Version 1.4b
Network Interface	1 x RJ45:10M/100M adaptive Ethernet (Optional)
USB Interface	1 x USB3.0, Type-C ; 1 x USB2.0, Type-A
Bluetooth	5.0

USB Spec

Type of Connection	USB 3.0, downward compatible with USB 2.0
Color System / Compression	YUY2 / MJPEG
USB Audio	32K sampling rate, UAC 1.0 support
USB Video Communication Protocol	UVC 1.1
UAC	Support
UVC PTZ Control	Support (ePTZ)

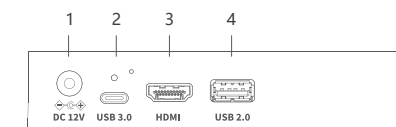
Others

Installation Method	Support desktop placement, wallmounting and TV-mounting etc.
Supplied Cables	USB Cable
Safety Protection	Anti-theft lock

Generic Spec

Power Supply	DC 12V, 2A(Max.)
Operating Temperature	0° C ~ 40° C
Storage Temperature	-40° C ~ 60° C
Dimension	601mm (W) x 141mm (D) x 115mm (H) (with bracket)
Net Weight	2.5kg

Interface Diagram



- 1 — DC 12V
- 2 — USB3.0
- 3 — HDMI
- 4 — USB2.0

PRODUCT OVERVIEW



SC-CAN-12X

SC-CAN-20X

4K PROFESSIONAL BOX CAMERA SC-CAN-12X/20X

4K60FPS

Use a high-quality 1/2.8 inches UHD CMOS sensor with 8.40 million pixels. Support max 4K60fps image output and multiple lower resolutions like 1080p/720p.

Optical Zoom + Wide-angle Lens

JX2620:

4K optical lens, support max 20x optical zoom and 60.7° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.

JX2612:

4K optical lens, support max 12x optical zoom and 72.5° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.

Quick control with the Buttons on the Camera Body

With the buttons on the camera body, convenient for user operation.

Full-function Webpage

The configuration and application of all functions can be completed through the webpage.

TOF¹

The camera is equipped with a laser-assisted zoom instrument, with the built-in advanced auto focus algorithm, can achieve rapid and accurate auto focus.

3G-SDI

Support max 1080P60 resolution over SDI.

Microphone

The built-in microphone array can be picked up, the pick-up distance is 6 meters, and the noise inhibitory algorithm makes the voice perfect.

Double Infrared Receiving

The front and rear infrared perceptions have expanded the scope of infrared receiving and enhanced the remote control operation experience.

Multiple Interfaces

Support HDMI, SDI, USB, network output.

Remark:

1. This function is optional.

Difference

	JX2612	JX2620
Optical Zoom	12x	20x
Horizontal FOV	72.5° ~ 6.9°	60.7° ~ 3.36°
Vertical FOV	44.8° ~ 3.9°	34.1° ~ 1.89°

Camera Spec

Signal System	HDMI: 4KP60, 4KP50, 4KP30, 4KP25, 4KP59.94, 4KP29.97, 1080P60 etc. 3G-SDI: 1080P60, 1080P50, 1080P30, 1080P25, 720P60 etc.
Sensor	1/2.8 inches, CMOS, Effective Pixels: 8.4 Megapixels
Focus Mode	Auto, One Push, Manual
Minimum Illumination	0.5Lux
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Backlight Compensation	Support
HDR	Support
Digital Noise Reduction	2D/3D Digital Noise Reduction
SNR	≥ 55dB
Anti-flicker	Support
Image Flip	Support
Image Freeze	Support
PoE	Support
Preset Position	255

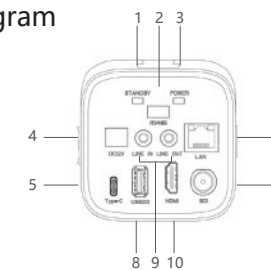
Device Operation

Body Buttons	Quantity: 8; Features: Zoom operation, focus operation, brightness adjustment, menu control, image freezing, and mode switching.
Webpage	Full -Function Webpage
Remote Control	360 ° infrared remote control support
Menu	Support multi -way operation menu: keys, remote control, web pages, remote control.

I/O

HD Output	1 x HDMI: Version 2.0; 1 x 3G-SDI: BNC , 800mVp-p, 75Ω, as per SMPTE 424M standard
Network Interface	1 x RJ45: 10M/100M/1000M adaptive Ethernet Support:PoE(802.3af)
Audio Input	1 x Line In, 3.5mm Jack; 2 x Microphone input
Audio Output	1 x Line Out, 3.5mm Jack
USB Interface	1 x USB3.0,Type-C
Control Interface	1 x RS485: 2pin phoenix port, Max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P;
Power Interface	DC005-2.0mm type (DC IN 12V)

Interface Diagram



Network Spec

Video Compression	H.264 / H.265 / MJPEG
Video Stream	First Stream, Second Stream
First Stream Resolution	3840x2160, 1920x1080, 1280x720 etc.
Second Stream Resolution	1920x1080, 1280x720, 1024x576 etc.
Video Bit Rate	32kbps~102400kbps
Bit Rate Control	VBR, CBR
Frame Rate	50Hz: 1fps~50fps, 60Hz:1fps~60fps
Audio Compression	AAC, G711A
Sampling Rate	48KHz
Audio Bit Rate	48Kbps, 64Kbps, 96Kbps, 128Kbps
Protocols	NDI® HX2,SRT,TCP/IP, HTTP, RTSP, RTMP(s), Onvif,DHCP,GB/T 28181, Multicast, etc.

USB Spec

Operating System Supported	Windows 7 (only supports UVC1.1 features), Windows 8 and above version, Mac OS X, Linux 2.4.6 and above version, Android needs to include the version of UVC-related drivers
Color System / Compression	H.264 / MJPEG / YUY2
Video Format	YUY2: Max.1080P30 H.264 AVC: Max. 2160P H.264 SVC: Max. 2160P MJPEG: Max. 2160P
USB Audio	Support
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support

Generic Spec

Input Voltage	DC 12V /PoE (802.3af)
Input Current	1A (Max.)
Operating Temperature	-10° C ~ 40° C
Storage Temperature	-40° C ~ 60° C
Dimension	145mm(W) x 76mm (D)x 78.5mm (H)

- 1 — STANDBY
- 2 — RS485
- 3 — POWER
- 4 — DC 12V
- 5 — Type-C
- 6 — LAN
- 7 — 3G-SDI
- 8 — USB2.0
- 9 — LINE IN / LINE OUT
- 10 — HDMI



DESKTOP-BASED ALL-IN-ONE LIVE STREAM DEVICE

EZ1 Immediately Live Stream with Touching

Professional Image Quality

- 48MP / 4K Ultra HD Camera
- 6P+IR Lens Architecture / Ultra Short Focus Large Wide Angle
- Sub-second fast AF

Clear Voice

- Conference-level quad-array microphone area
- Supports physical noise reduction echo cancellation
- 3W*2 Hi-Fi Cavity Speaker

Intelligent Console

- 10 Signal Sources / Multi-Camera Exhibition
- 10 customized preset screen layouts
- Supports multiple local and remote audio mixes

Virtual Reality

- Real-time access to local and remote screens
- Customized Cloud material database
- 10 virtual backgrounds with one-click switch

Single Display with Multiple Functions

- Multi-screen broadcast, Multi-platform synchronized distribution
- Intelligent drawing board, easy to specify the key points
- Screen recording, record and review at any time

Wireless Live Streaming Room

- Easy access to cell phone pictures to replace the camera
- Supports drone, sports camera footage streaming
- Internal and external network dual mode, sub-second transmission

Integrated Program

- Built-in camera and microphone for immediate broadcasting
- Integrated studio light design
- Aluminum based shell, surface AAO process, fast heat dissipation

Intimate Design for Streamer

- 15.6-inch full HD touch screen 15.6
- Horizontal and vertical screen live broadcasting, suitable for multiple scenarios
- Camera 218° flip for any positioning

Hardware Specifications

Model No.	EZ1	Color	Space Silver/pearl white/Midnight Gray
CPU	octa-core processor frequency 2.4GHGPU	GPU	ARM Mali-G610
RAM	8G(supports up to 16G)	Storage	128G (supports up to 256G)
OS	Android 12	Dimension(H*W*T)	596*228*180mm
Screen Resolution	1920*1080	Screen Size	15.6 inch/16:9
Camera Resolution	4K 3840*2160@30fps	Aperture	F.NO 1.79
Network	Gigabit wired, WiFi6, Ipv4/Ipv6 LANs	Camera function	Autofocus, AEC
MIC	4-array microphone, support echo cancellation noise reduction	Loudspeaker	Stereo 3W*2
LINE IN	3.5mm jack input	headset port	3.5mm jack in/out
TYPE-C	TYPEC-C *1(data transmission)	USB	USB2.0*1, USB3.0*1
HDMI IN	1920*1080@60fps	HDMI OUT	1920*1080@60fps
LAN	RJ45*7	fill light (Optional)	Support tri-color light conversion, power 50W

Application Scenarios



E-commerce Live Streaming



Store Live Streaming



Entertainment live streaming



Knowledge Live Streaming



Conference Live Streaming



Fitness Live Streaming



CLOUD-BASED ALL IN ONE LIVE STREAM DEVICE

M6 9-Channel Visualized Live Streaming Device



Key Functions

Multiple Screen Layout Modes

Supports horizontal and vertical screen output layout like single-screen, two screens, cross split, and virtual broadcasting. Picture-in-picture and virtual broadcasting zooming in and out.

Built-in Live Stream Platforms

Integrated with major third-party live streaming platforms like TikTok, Youtube, Facebook, Instagram, etc for live streaming.

Seamless Virtual Background Switching

To set up the background by via the various video or image signals by the intelligent chroma key algorithms, once the background is set, it will make the live streaming more realistic and provide a more impressive experience for audiences.

Visual Multi-source Collection

The device supports 2-channel HDMI IN, 2-channel USB, 1-channel TF card, 4-channel network source signal access and extra accessories like cell phones, drones, GoProOSMO, etc.

Multi-channel Audio Mixing Control

Control and customize the audio levels of input signals freely to adjust the background music at ease.

RTMP Live Streaming

It supports 6 channels RTMP output streaming in third-party platforms, allowing sequential delay settings. Simultaneously stream to multiple platforms in a single live streaming, reducing workload and increasing exposure.

As a high-tech company based in the field of intelligent cloud video, by the robust and comprehensive manufacturing capabilities, we specialize in the development and sales of intelligent display, control terminals, application programs, cloud platform products, and systems in the field of real-time video systems. Since its establishment, we have been dedicated to the professions, intelligence, and simplification of this field, providing comprehensive solutions for real-time visual communication in the era of cloud economy.

- 1 E-commerce Live streaming
- 2 Video Game Live Streaming
- 3 Entertainment Live Broadcasting
- 4 Food Entertainment Live Streaming
- 5 Driving School Live Streaming
- 6 Wedding Celebration Live Streaming



PRODUCT OVERVIEW

Main features

- Support 414MHz Wireless Tally Connection
- Up to 720 feet Wireless Connection Distance (within 6 walls)
- Compatible with OBS/Vmix/Neolive R2Plus Via USB Port
- Both Front and Rear Indicators on the Lamps
- Tally RX Support 1200mAh li-ion Battery with Status Indicator
- 1/4 inch hot Shoe for Tally Lamp Installation



1. Power Status Light

2. Power Indicator Lights. Press Once to Light Up

3. Antenna

4. 5V Charging Interface

5. Tally Receiver ID number Adjustment. 1-C is the Corresponding 1-12 Tally

6. Tally Receiver Power Switch

7. Tally Extension Light Connector

8. 1/4 Screw hot Shoe Seat

Specification

Frequency	410Mhz-912Mhz
Distance	720 Feet in Open Space, Able to Pass Through 6 Walls
Transmitter Power	100mW
Transmitter Power Supply	5V Type-C
Receiver Battery	3.7V li-ion 1200mAh
Receiver Charging Voltage	5V 1-2A
Service Time of Receiver	Full Power Usage Exceeding 12-30 Hours



TALLY SYSTEM

PT04

INTRODUCTION

PT04 is a lightweight wireless tally system designed for multi-camera tally light control, compatible with OBS, Vmix, and NeoLIVE R2Plus. It supports red and green light status display, making it suitable for performances, parties, and especially for directing and filming interviews and other live broadcast events.

PRODUCT OVERVIEW



SIGNAL GENERATOR

SG-HD

Signal generator is a device capable of producing various frequencies, waveforms, and output levels of electrical signals. It serves as a testing signal source or excitation source when measuring the amplitude characteristics, frequency properties, transmission properties, and other electrical parameters of various telecommunications systems or equipment, as well as when measuring the characteristics and parameters of components. Also known as a signal source or oscillator, the signal generator finds wide applications in production practices and the field of technology.

So, fittingly, our SGHD is a professional-grade signal generator designed to provide 3G-SDI and HDMI signals, as well as optical fiber signals in the broadcasting and television industry.

Main features

- 4.3-inch Screen
- Supports Multiple Output Interfaces: HDMI, 3G-SDI, SFP
- Includes Various Signal Outputs Such as SMPTE Color Bars
- Supports Linear Testing
- Users can Import Custom Patterns as Test Images
- Built-in Audio Supporting up to 16 Channels of Embedded Audio
- Power Options: DC12V or 5V (USB Type-C)
- Robust Metal Casing for Enhanced Durability, Impact Resistance, and Better heat Dissipation
- Utilizes FPGA Design for Powerful Performance, Smooth Control, Long-term Stability, Meeting the Demands of Debugging and Testing Requirements

Functions and Features

Pattern Measurement 1

Single color display or custom picture content is to test the color, temperature, grayscale, linearity, accuracy of the display. User-defined images can be imported as test graphs sample, built-in standard color bar, linear test pattern, grid pattern, monitor crosstalk test pattern sick signal or other professional test pattern, to meet the demand of debugging, testing, Test demand, IRE.



Pattern Measurement 2

As a comprehensive audio, it supports up to 16 embedded AES/EBU audio channels, a -60dB to 0dB dB range, and 20 to 20000 Hz. The frequency sets the audio phase from 0.90, 180 and 270 degrees.

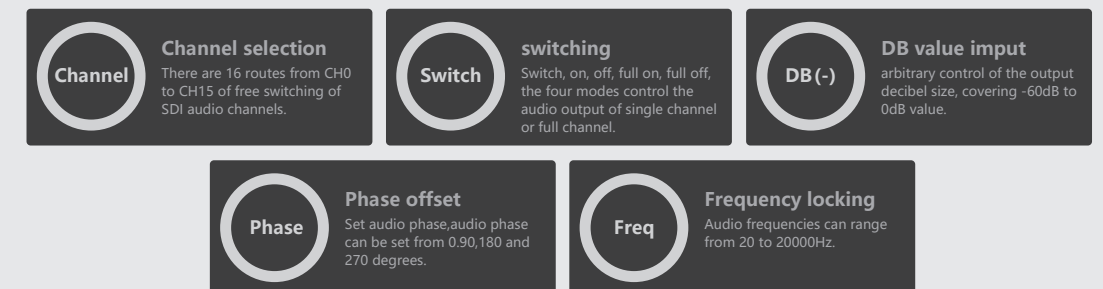
CH channel selection, a total of 16 routes SDI audio channels from CH0 to CH15 can be switched freely.

Switch-on, off, full on, full off, the four modes control the audio output of single channel or full channel

Freq frequency lock, audio frequency can be from 20 to 20000Hz.

DB value: arbitrary control of the output decibel size, covering -60dB to 0dB value.

Phase offset: audio phase can be set from 0.90, 180 and 270 degrees respectively.



Compatibility of Signals

Supports SD, HD, 3G-SDI Level A, 3G-SDI Level B-DL/DS, 2K HDMI signal, up to 2K/60P SDI, optical fiber signal, etc.

Mode selection: 3G-SDI/HD-SDI/SD-SDI and HDMI signal format selection

Resolution options: Different resolutions correspond to different modes and grids

HDMI Color range selection: Color range can be changed between Limited and Full

Sampling scheme: Different GBR and YcbCr sampling rates based on the above options

Mode

MODE SELECTION

The selection of 3G-SDI HD-SDI/SD-SD

Range

RANGE SELECTION

Color range can be changed between Limited and Full

Refresh

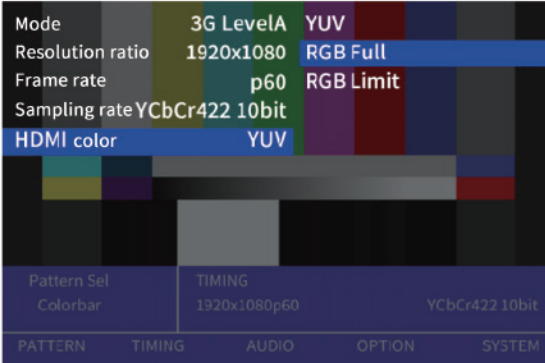
FRESH OPTIONS

Different refresh rates correspond to different patterns and grids

Sampling

SAMPLING SCHEME

Different GBR and YcbCr sampling rates based on the above options



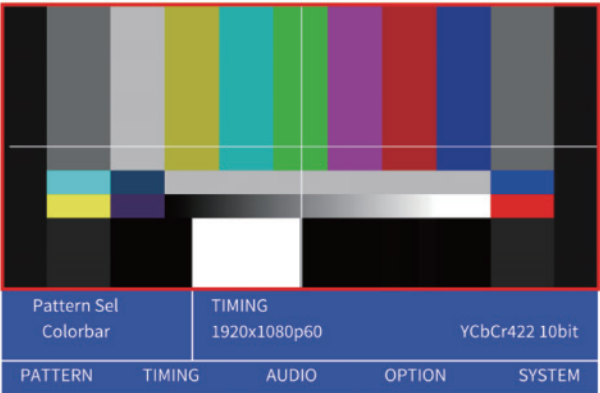
Auxiliary Function

Different applications are supplemented by different schemes. The "Option" button of the device provides functions such as graphic overlay, time code, ring, border line, frame count, etc, which will help users analyze and test different signal formats.

Time Code Supports linear Time code (LTC) and Vertical Interval Time code (VITC).


Overlay: Select time code, border line, cross and garden through the function of image and text overlay.

Moving: The image can be rolled from 4 different directions and the step size of the scroll can be set.



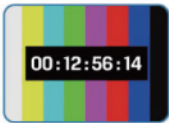
Loop Superposition

Select Loop superposition by image overlay function.




Counter

Select the counter by the image overlay function.




Auxiliary Line

Overlay the border line to check the completeness of the picture.




Moving Direction

The image can be scrolled from 4 different directions and the scroll step size can be set



Time Code

Supports linear time code (LTC) and Vertical interval Time code (VITC).



Signal Format	Raster	Refresh	Sampling	LevelA/B	
SD-SDI	525	YCbCr 422 10bits			
	625	YCbCr 422 10bits			
	1280x720	23.98/24/25/29.97/30/50 59.94/60p	YCbCr 422 10bits		
HD-SDI	1920x1080	23.98/24/25/29.97/30p 23.98/24/25/29.97/30psf 50/59.94/60i	YCbCr 422 10bits		
	2048x1080	23.98/24/25/29.97/30p 23.98/24/25/29.97/30psf 50/59.94/60i	YCbCr 422 10bits		
3G-SDI	1280x720	23.98/24/25/29.97/30/50 59.94/60p	GBR 444 10bits GBR 444 12bits GBRA 4444 10bits YCbCr 444 10bits YCbCr 444 12bits YCbCr 422 12bits YCbCrA 4444 10bits	Level A	
	1280x720	23.98/24/25/29.97/30/50 59.94/60p	YCbCr 422 10bits	Level B-DS	
	1920x1080	47.95/48/50/59.94/60p	YCbCr 422 10bits	LevelA LevelB-DL	
	1920x1080	23.98/24/25/29.97/30p 23.98/24/25/29.97/30psf 50/59.94/60i	GBR 444 10bits GBRA 4444 10bits YCbCr444 10bits YCbCrA 4444 10bits GBR444 12bits YCbCr 444 12bits YCbCr422 12bits	LevelA Level B-DL	
	1920x1080	23.98/24/25/29.97/30p 23.98/24/25/29.97/30psf 47.95/48/50/59.94/60i	YCbCr422 10bits	Level B-DS	
	2048x1080	47.95/48/50/59.94/60p 23.98/24/25/29.97/30p 23.98/24/25/29.97/30psf 50/59.94/60i	YCbCr422 10bits GBR 444 10bits GBRA 4444 10bits YCbCr 444 10bits YCbCrA 4444 10bits GBR444 12bits YCbCr 444 12bits YCbCr 422 12bits	LevelA LevelB-DL	
	2048x1080	23.98/24/25/29.97/30p 23.98/24/25/29.97/30psf 47.95/48/50/59.94/60i	YCbCr 422 10bits	LevelB-DS	
	Connector	USB TYPE-C	For power supply, software control		
		Video Output	3GSD x 2 SFP x 1 A HDMI x 1		
	Feature	Timing	SD-SDI / HD-SDI / 3G-SDI Leve A / 3G-SDI Level B-DL / 3G-SDI Level B-DS		
	Pattern	Color Bar 100%/75%/SMPTEEG1-1990/SMPTEEP219 Grey Bars ColorField EQ Test/PLL Test Ramp Window Custom Value Picture			
	Audio	DB:0~-60db Frequency:20~20000 Support Phase Adjustment			
	Audio Channel	SDI16Channel HDMI8Channel			
	Timecode	LTC / VITC			
	Image Overlay	Frame count, circle, border, center cross			
	Image traverse	Support up, down, left, right movement and customized step size			
	Power Supply	DC12V or 5V (USBTYP-E)			
	Size (LDW)	135.2 x 117.2 x 35.6mm			
	Weight	310g			
	Operating Temperature	0°C~50°C Storage Temperature:-30C~70°C			



4K@60 4:4:4 HDR HDBASET EXTENDER LK-HBT3

INTRODUCTION

LK-HBT3 is a revolutionary 4K@60 4:4:4 HDR HDBaseT Extender. It can stream uncompressed HDMI 2.0 signals at 18Gbps bandwidth, delivering crystal-clear, lossless 4K HDR signal transmission without any artifacts or latency. Instead of the traditional TX/RX extender design, SPROLINK has combined TX and RX into a single hardware unit. Users can easily switch between TX and RX modes for specific applications with a simple touch.

LK-HBT3 extends uncompressed 4K HDR signals up to 70m (230ft) using CAT6a/7 cables, while 1080P signals can be extended up to 100m (328ft). In addition to transmitting HDMI 2.0 video and audio signals, the LK-HBT3 also supports bi-directional IR and KVM for remote equipment control.

With its advanced functionality design and remote power capabilities, the LK-HBT3 is an ideal solution for long-distance distribution of any 4K HDR professional AV display."

- Extend 4K@60 4:4:4 HDR over CAT6a/7 by HDBaseT
- Uncompressed HDMI 2.0 Streams on 18Gbps Bandwidth
- Compact Design, Enabling TX/RX on a Single Hardware
- Full HDR Support (HDR 10&12 Bit)
- HDR, HDR10+ and Dolby Vision Support
- 1Gbps Ethernet & KVM Support
- HDCP2.2(and all Earlier Version Supported)
- Up to 70m (230ft) on 4K, 100m (328ft) on 1080P (CAT6a/7)
- Bi-Directional IR Transport
- L/R Audio Extraction on TX and RX

PRODUCT OVERVIEW

Advanced Hardware Design

LK-HBT3 can be configured as a transmitter (TX) or receiver (RX), offering more flexibility for various applications.



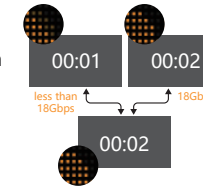
Full HDR Support

LK-HBT3 can be configured as a transmitter (TX) or receiver (RX), offering more flexibility for various applications.



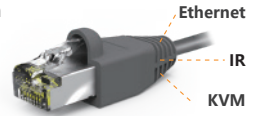
Uncompressed Transmission

LK-HBT3 enables 4K60 transmission within the full 18Gbps bandwidth without compression, maintaining the original deep colors and intact HDR quality.

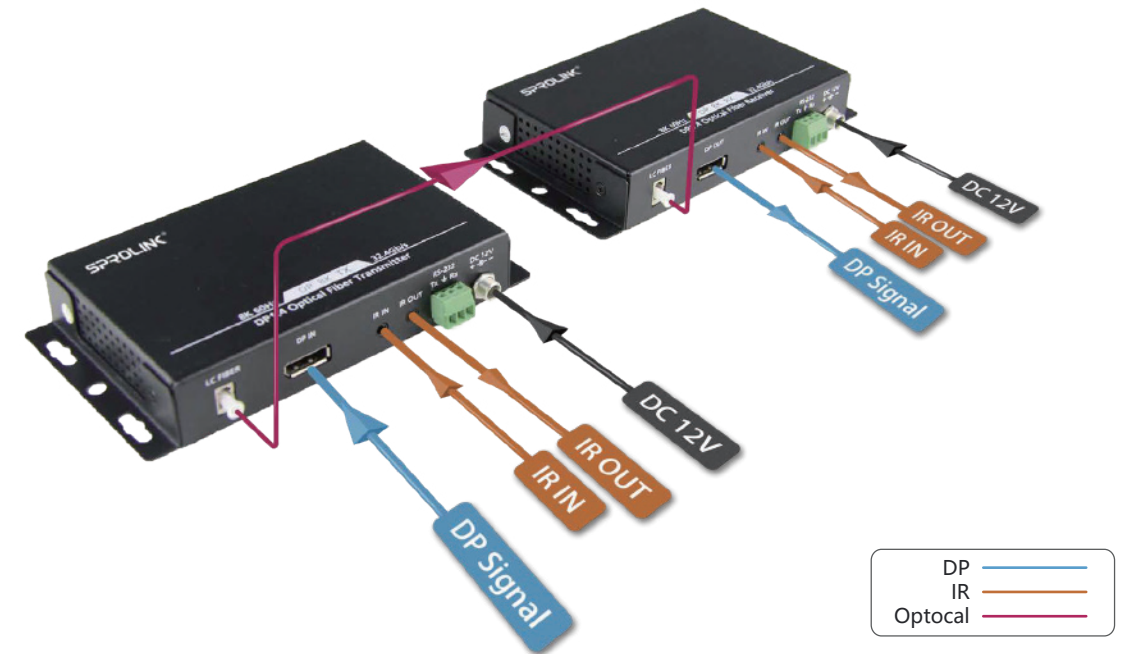


IR & Ethernet & KVM Extension

Supports bi-directional IR and 18Gbps Ethernet Extension, as well as KVM for remote PC control.



Video	Resolution	1920x1080@30/50/60/120Hz 3840x2160@30/50/60Hz 4096x2160@50/60Hz Customized Resolution up to 594MHz pixel clock
	HDR Formats	HDR10, HDR10+, HLG, Dolby Vision
	Chroma Subsampling	4:4:4, 4:2:2, 4:2:0
	Color Depth	8-bit, 10-bit, 12-bit
Distanc	CAT6a/7 4K@60Hz	Up to 230ft/70m
	CAT6a/7 1080P@60Hz	Up to 328ft/100m
Signal	Bandwidth	18G bps
	HDCP	HDCP2.2 and earlier version supported
	Ethernet	1Gbps
	USB	USB 2.0. Compatible for USB Host and USB Device
Environment	Operating	32° F~122°F, or 0°C~50°C
	Storage	-4° F~140°F, or -20°C~60°C
	Humidity	20 ~ 90% non-condensing
Power	Consumption	10.8W for pair
	Supply	Input: AC100-240V 50/60Hz, Output: DC12V 1.5A
Mech	Dimension	200 x 72 x 27mm
	Weight	800g



DISPLAYPORT 1.4 OPTICAL FIBER EXTENDER

LK2-DP DisplayPort 1.4

INTRODUCTION

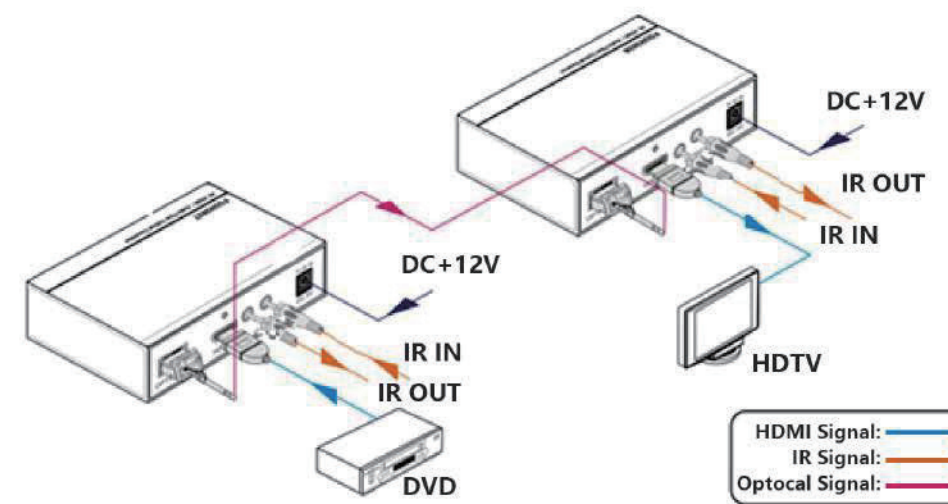
LK2-DP is a DP1.4 fiber optical extender with 32.4Gbps bandwidth. Supporting uncompressed resolution up to 8K@60Hz or 4K@120Hz on the distance up to 300m. Signals are transported over a single optical fiber cable with either single-mode or multi-mode fiber cable.

The extender pair is using CWDM technology with 6 wavelength lasers in the extender pair. The data rate of the 1270nm/1290nm/1310nm/1330nm lasers are 8.1Gb/s, these 4 CWDM lasers transmit the DP TMDS signal from TX to RX unit. The 1490nm/1550nm laser data rate is 1.25Gb/s, which transmit the AUX signal, IR and RS232 signal Bi-directionally.

It's the perfect solution for smart home audio visual system, UHD Public video system, outdoor remote transmission and so on.

- Lossless transmission by 4K@60Hz 4:4:4 Dolby Vision
- DP 1.4 Compliance with AUX Signal Transmission
- Highest Resolution 8K(7680x4320@60Hz) or 4K@120Hz
- Fiber Optical Bandwidth 32.4Gbps
- LC Fiber Connector, Transmission over Single Fiber Optic Cable
- Support Single/multi Mode Fiber, Transmit up to 300m
- Support Bi-directional IR and Transparent RS-232
- EDID Pass-through
- 12V Power Supply with Locker

Module	LK2-DP Optical Fiber Extender	Sender (TX) & Receiver (RX)
Resolution	8K@60Hz(Downward Compatible)	8K (7680x4320@60Hz) 4Kx2K@120Hz
Components	Laser Diodes	1270/1290/1310/1330nm 8.1Gb/s CWDM DFB Lasers
	WDM Filter	1490nm/1550nm 1.25Gb/s CWDM DFB lasers
	Input & Output Signals	Integrated 1270nm/1290nm/1310nm/1330nm/1490nm/1550nm Filter
Signal Parameters	Bandwidth(TMDS Channel)	8.1Gbps
	Data Rate	Max. 32.4Gbps
Optical	Link Power Budget	Min 8dB
Mechanical	Module Dimension (mm)	160mm x 85mm x 26mm
	Approx weight	300g
	Approx weight	100-240V 50/60Hz AC 输入 / 12V 1A DC 输出
Connector	Optical Connector	1 x LC Fiber Connector
	System & Display	DisplayPort Female
	Recommended Fiber	OM3 Multi-mode Fiber or Single-mode Fiber
Extend Distance	Maximum	300m
Working Environment	Operating temperature	-10 to 60 °C
	Storage temperature	-20 to 80 °C
	Relative Humidity	5% to 90% non-condensing



FIBER EXTENDER

LK2 HDMI 2.0 18Gbps

INTRODUCTION

The LK2 is an HDMI 2.0 18Gbps fiber optic extender supporting uncompressed 4K UHD resolution at 4K@60Hz 4:4:4 with HDCP 2.2 over distances up to 300m. Signals are transmitted over a single optical line using either single-mode or multi-mode fiber. The extender pair utilizes CWDM technology with six wavelength lasers. The data rate of the 1270nm/1290nm/1310nm/1330nm lasers is 6Gb/s, transmitting HDMI TMDS signals from the TX to RX unit. The 1490nm/1550nm laser has a data rate of 1.25Gb/s, transmitting EDID, HDCP, IR, and RS232 signals bidirectionally.

The LK2 supports both HDR and Dolby Vision in the HDMI signal. It is the perfect solution for smart home audiovisual systems, UHD public video systems, outdoor remote transmission, and more.

- Lossless Transmission by 4K@60Hz 4:4:4 Dolby Vision
- HDMI2.0, HDCP2.2 Compliant
- Highest Resolution 4096x2160P@60Hz 4:4:4
- Fiber Optical Bandwidth 18Gbps
- LC Fiber connector, Transmission over Single Optical Line
- Support Signal/multi mode Fiber, Transmit up to 300m with HDCP, 2km with Single mode Fiber Without HDCP
- Support bi-directional IR and Transparent RS-232
- EDID Pass-through
- 12V Power Supply with Locker

Input	HDMI 2.0, HDMI 1.x / DVI 1.0 compliant	
Resolution	4K x 2K@60 (Downward Compatible)	4096x2160@60Hz(DCI 4K60) 3840x2160@60(4K60 4:4:4) 3840x2160@30(4K30 4:4:4)
Components	Laser Diodes	1270/1290/1310/1330nm 10Gb/s CWDM DFB Lasers 1490nm/1550nm 1.25Gb/s CWDM DFB lasers
	Photo Diodes in Rx Module	1100nm~1620nm PIN Photo Detector
	WDM filter	Integrated 1270nm/1290nm/1310nm /1330nm/1490nm/1550nm lter
	Input and Output Signals	TMDS Level (complying with HDMI2.0)
Electrical	Data Transfer Rate (Graphic Data)	Max. 10.0Gbps
	Maximum Video Bit Rate	18Gb/s
	Total Jitter at the end of Rx output	Max. 0.6UI
	Skew inter-channels	Max. 2ns
Optical	Link Power Budget	Min 8dB
Mechanical	Module dimension (mm)	162WX85LX26H
Connector	Optical Connector	1X LC connector
	Systems and to Displays	HDMI Female
	Recommended Fiber	OM3 Multi-mode Fiber or Single-mode Fiber
Extend Distance	Maximum 300m	4K x 2K@60Hz(4:4:4) with HDCP
	Maximum 2km	4K x 2K@60Hz(4:2:0) without HDCP

PRODUCT OVERVIEW



MODULAR VIDEO WALL CONTROLLER
3D/4K PIXEL-TO-PIXEL LARGE SCALE SOLUTION
VD SERIES

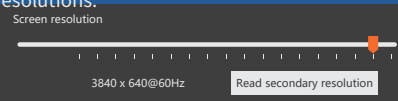
INTRODUCTION

- Customize Output Resolution by Module
- EDID Management
- 3D Splicing and Switching
- Pixel-to-Pixel Splicing of Multi-channel 4K Input
- Visualization Software

- IPAD Control
- Projection Edge Blending
- Display up to 8 Layers by Single Port
- Expandable I/O slots
- Redundant Power Supply

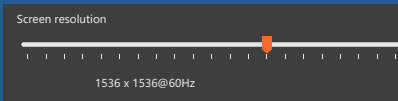
Customize Output Resolution by Module

Each installed module can be independently configured for a resolution within 3840 horizontally and 2048 vertically. One unit supports multiple screens with different resolutions.



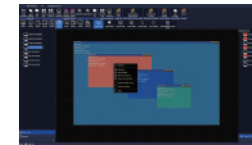
EDID Management

Customize input EDID: Supports programming PCs to identify customized resolutions, making "Pixel by Pixel" adjustments much easier.



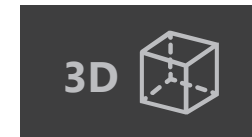
Visualization Software

Input & Output virtual preview by software. Ideal for real-time editing.



3D Splicing

Support left and right eye 3D splicing mode, 120Hz input and output 3D splicing mode. With internal Genlock for 3D seamless split fusion, switching between 2D and 3D modes can be easily done using software.



Control Through iPad

Wireless control via iPad, supporting various preset switching options. Provides an Open API for third-party control.



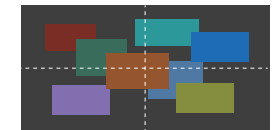
4K Pixel-to-Pixel Splicing

Supports multi-channel 4K input to achieve wide-screen pixel-to-pixel splicing with internal Genlock Sync.



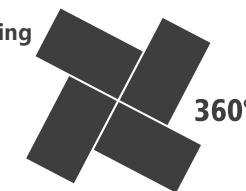
Display up to 8 Layers by Single Port

One single port of the output module supports 8 images simultaneously. With a total of 8 layers of processing, it allows for overlapping at any position on the video wall.



0-360° Degree Rotation Splicing

Supports seamless rotation splicing at any degree (0-360°) between different sizes and types of screens, including LED/LCD/Projectors.



	4 x HDMI 1.3	Resolution: 2K
	2 x HDMI 1.4	Resolution: 2K, 4K2K@30Hz
	2 x 4K@60Hz HDMI / DP	Resolution: 2K, 4K2K@30Hz, 4K2K@60Hz
	4 x HDbaseT	Resolution: 2K
Input Module	4 x DVI-M	Resolution: 2K
	2 x IP 1 x USB	Resolution: 2K
	2 x DP1.1	Resolution: 4K30Hz
	4 x SDI	Resolution: 3G/HD/SD
System Control Card	2 x RS232 1 x RJ45	Default IP: 192.168.1.200

Device	Input voltage	AC input 100V~240V, 50/60Hz
	Power consumption	depends on module qty
	Storage Temperature	0-70°C
	Storage Humidity	15-85%

	4 x HDMI 1.3	Resolution: 2K
	2 x HDMI 1.4	Resolution: 2K, 4K2K@30Hz
	1 x HDMI 1 x RJ45	
	4 x HDbaseT	Resolution: 2K
Output Module	2 x DVI	Resolution: 2K
	4 x DVI-M	Resolution: 2K
	2 x HDMI 2.0	Resolution: Within 3840*2160@60Hz
	4 x SDI	Resolution: 2K
	3 x SDI 2 x DIN	Resolution: 2K

Dimension	Device Weight	12KG
	Device Dimensions	442 x 320 x 178mm
	Package Weight	15KG
	Package Dimensions	525 x 440 x 225mm

PRODUCT OVERVIEW



4K@60HZ 4:4:4 10 BIT PROCESSING CAPABILITY
 MAXIMUM 6 PIPS & FADE IN FADE OUT SWITCHING

VF1 PRO

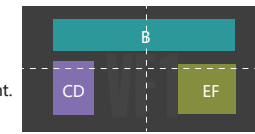
INTRODUCTION

VF1 PRO is a fully modular 4K signal seamless switcher and splicing processor. It inherits the superior performance of VF1, can support 4/8 DVI output channels independent control or splicing. With the advanced SPROLINK technology, VF1 PRO can support 6 layers in maximum, which can cope with various display application requirements. Supporting up to 6 UHD inputs and 4 traditional 2K signal inputs. Realizing perfect fade in fade out transition between any input channel. It is one of the high-end 4K video processors for broadcast display control.

- Inputs Modular Design Covers Various Necessities
- Dual Output Slots Offer 4/8 DVI Output Channels
- Support Independent Control & Flexible Splicing
- Display up to 6 Layers on all Outputs
- HDMI2.0 DP1.2 and 4K@60Hz Inputs with
- Handle 8k x 2k Splicing by Single unit
- Fade in Fade out Switching Between any Input Channel
- Monitoring all Outputs by Single Port
- Flexible Image Quality Adjustment

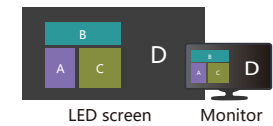
Advanced Layering Capacity

Support up to 4 layers free roaming with 2 layering PIP. support layer overlay, border adjustment and color adjustment. Catering for multiple display requirement.



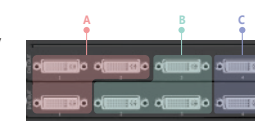
Monitoring on Single Port

Assign any output as monitor port. Realize all outputs monitoring as simple as one-click. Ensure broadcast control security.



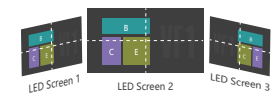
Flexible Splicing

Divide 4 or 8 DVI outputs to any group for flexible splicing. Support multiple output mapping on multiple Screens.



Layout Scaling

Support layout scaling. Display same layout on multiple screens in any screen size.



Connections	输入	4K	Standard	4K-1	2x HDMI 2.0 (HDCP2.2)	1x DisplayPort 1.2	
		4K	Standard	4K-2	2x HDMI 2.0 (HDCP2.2)	1x DisplayPort 1.2	
	输出	2K	Optional	2K-1	1x 3G-SDI	1x DVI (Compatible with VGA)	
Control	控制		标配	2K-2	1x 3G-SDI	1x DVI (Compatible with VGA)	
			选配		4x DVI		
				LAN	1x RJ45		
Input Resolution	4K		USB		1x USB Type A		
			RS232	IN	1x RJ45		
	2K		LOOP	1x RJ45			
Output Resolution	4K	HDMI 2.0	SMPTE: 480i 576i 720p 1080i 1080p 4K 1K 2160p VESA: 1024x768 1280x720 1280x800 1280x960 1280x1024 1400x1050 1600x1200 1920x1080 1920x1200 2048x1152 2560x1600 3840x1080 3840x2160 4096x2160				
		DP1.2	SMPTE: 480i 576i 720p 1080i 1080p 4K 1K 2160p VESA: 1024x768 1280x720 1280x800 1280x960 1280x1024 1400x1050 1600x1200 1920x1080 1920x1200 2048x1152 2560x1600 3840x1080 3840x2160 4096x2160				
	2K	3G-SDI	480i 576i 720p 1080i 1080p 1080psf				
Support Protocol	Output Resolution	DVI	VESA: 800x600 1024x768 1280x1024 1600x1200 1920x1080 1920x1200 2048x1152				
		SMPTE	720p 1080p				
		VESA	1024x768 1280x1024 1400x1050 1600x1200 1920x1080 1920x1200 2048x1152 1024x1280 1152x1152 1280x1280 1536x1536				
Input Voltage	Max Power	HDMI	1.3 1.4 2.0				
		DisplayPort	1.1 1.1a 1.2				
		DVI	1.0 1.1				
		VGA	VGA-UXGA				
Temperature	Humidity	VGA	VGA-UXGA				
		SDI	SD-SDI HD-SDI 3G-SDI				
		Weight	Device Weight	8.2kg			
		Package Weight	10.2kg				
Dimensions	Device Dimensions	480mm x 350mm x 90mm					
	Package Dimensions	525mm x 490mm x 185mm					

PRODUCT OVERVIEW



4K@60HZ INPUTS AND OUTPUTS

VF4 PRO

INTRODUCTION

- Inputs modular design covers various necessities
- Fade in Fade out switching between any input channel
- HDMI2.0 DP1.2 and 4K@60Hz inputs with downward capacity
- Support 4 operation mode for various 4K solution
- Dual-Channel HDMI2.0 4K@60Hz Output
- Flexible image quality adjustment
- Display up to 6 layers
- Cascade split with strict synchronization

Multiple Operation Mode

Support 4xHDMI2.0 | 2xDP1.2 4K inputs 2x3G-SDI 2xDVI 2K inputs. With 2 Channel HDMI 2.0 output, VF4PRO offers the complete solution for 4K in full frame rate.



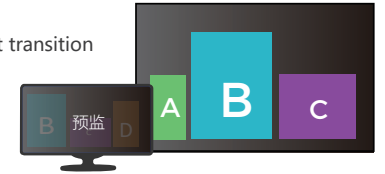
Standard Mode

Support 6 layers display.



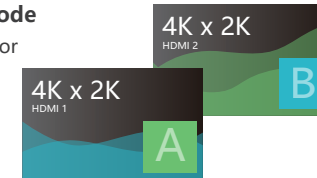
Preview Mode

Pure fade in fade out transition between different preset on PGM.



Independent Mode

Individual control for each HDMI port.



Split Mode

Realize 8Kx2K splicing with dual-channel HDMI port.



Connections	Input	4K	Standard	4K-1	2x HDMI 2.0 (HDCP2.2)	1x DisplayPort 1.2
				4K-2	2x HDMI 2.0 (HDCP2.2)	1x DisplayPort 1.2
		Optional	4K-3	1x HDMI 2.0 (HDCP2.2)	1x DisplayPort 1.2	
				1x HDMI 2.0 (Loop for 4K-3)		
	Output	2K	Optional	2K-1	1x 3G-SDI	1x DVI (Compatible with VGA)
				2K-2	1x 3G-SDI	1x DVI (Compatible with VGA)
	Output	Standard	2x HDMI 2.0			
			LAN	1x RJ45		
		USB	1x USB Type A			
Control	RS232		IN	1x RJ45		
			LOOP	1x RJ45		
	Genlock		IN	1x RJ45		
			OUT	4x RJ45		
Input Resolution	4K	HDMI 2.0	SMPTE: 480i 576i 720p 1080i 1080p 4K 1K 2160p			
			VESA: 1024x768 1280x720 1280x800 1280x960 1280x1024 1400x1050 1600x1200 1920x1080 1920x1200 2048x1152 2560x1600 3840x1080 3840x2160 4096x2160			
		DP1.2	SMPTE: 480i 576i 720p 1080i 1080p 4K 1K 2160p			
			VESA: 1024x768 1280x720 1280x800 1280x960 1280x1024 1400x1050 1600x1200 1920x1080 1920x1200 2048x1152 2560x1600 3840x1080 3840x2160 4096x2160			
Output Resolution	2K	3G-SDI	480i 576i 720p 1080i 1080p 1080psf			
		DVI	VESA: 800x600 1024x768 1280x1024 1600x1200 1920x1080 1920x1200 2048x1152			
		SMPTE	720p@25/30/50/60 11 oaop@23.98/24/25/29.97 /30/50/59.94/60 21 Gop@30/50/60			
		VESA	800x600@60 1024x768@60 1280x768@60 1280x800@60 11280x1024@60 1360x768@60 1366x768@60 1400x900@60 1600x1050@60 1600x1200@60 1680x1050@60 1920x1080@23.98/24/25/29.97 /30/50/59.94/60 1920x1200@60 2048x1152@60 2560x812@60 2560x816@60 2560x1600@60 3840x1080@60 3840x2160@23.98/24/25/29.97/30/50/60 4096x2160@50/60			
Support Protocol	HDMI	1.3 1.4 2.0				
	DisplayPort	1.1 1.1a 1.2				
	DVI	1.0 1.1				
	VGA	VGA-UXGA				
	SDI	SD-SDI HD-SDI 3G-SDI				
Input Voltage Max Power	AC 100~264V (Typical 110/220)					
	50/60Hz 20W					
Temperature	-25°C~55°C (Typical 25°C)					
Humidity	20%~90%					
Weight	Device Weight	8.2kg				
	Package Weight	10.2kg				
Dimensions	Device Dimensions	480mm x 350mm x 90mm				
	Package Dimensions	525mm x 490mm x 185mm				

PRODUCT OVERVIEW



SEAMLESS SCALER & SWITCHER
USB MEDIA PLAYER EXPERT
VA1

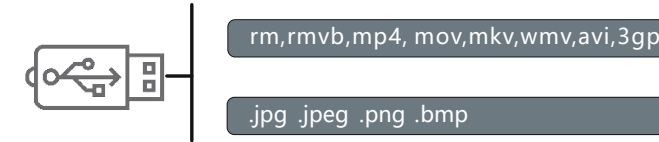
INTRODUCTION

- Seamless Switching Between any Source
- Free Customized Among 2.5 Million
- Plug & Play USB Media Player
- EDID Management
- Open Protocol Control
- Two Sending Card Slot Built-in
- Signal Hot Backup
- Audio & Video Sync Switching



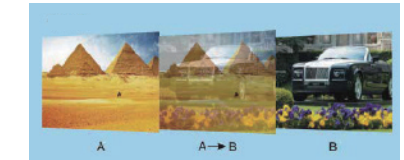
Plug & play USB Media Player

VA1 has USB port on both front and back panel. Support both image and video media files.



Seamless Switching

Seamless switching between any input channel.



Signal Hot Backup

Support DVI-HDMI hot backup. VA1 support auto switch when encountered input signal issue.



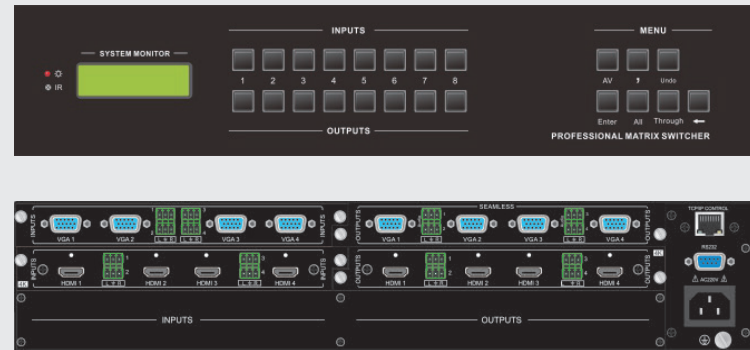
AV Sync Switching

Support HDMI DVI USB audio & video switching with 3.5mm audio jack output.



Inputs	Standard	1 × DVI / 1 × HDMI / 2 × USB 1 × VGA / 1 × CVBS
	Optional	1 × SDI + LOOP
Outputs	Standard	2 × DVI 1 × 3.5mm audio jack
Operation	Front panel+RS232/USB Open Protocol Control	
Input Format	DVI	VESA: 800x600 1024x768 1280x1024 1600x1200 1920x1080 1920x1200 2048x1152
	HDMI	SMPTE: 480i 576i 720p 1080i 1080p VESA: 800x600 1024x768 1280x720 1280x800 1280x960 1280x1024 1400x1050 1600x1200 1920x1080 1920x1200 2048x1152
	VGA	800x600 1024x768 1280x1024 1600x1200 1920x1080 1920x1200
	CVBS	SMPTE: 480i 576i
	USB	Video: 720P rm rmvb mp4 mov mkv wmv avi 3gp Picture: jpg jpeg png bmp
Output Format	SMPTE	720p 1080p
	VESA	1024x768 1280x720 1280x1024 1400x1050 1600x1200 1920x1080 1920x1200 2048x1152 2560x816 1024x1280 1152x1152 1280x1280 1536x1536
Input Power	AC 100~264V (Typical110/220) 50/60Hz	
Max Power	20W	
TEMP	-25°C~55°C (Typical 25°C)	
HUM	20%~90%	
Weight	3.0kg (Device)	
	4.0kg (Packed)	
Dimensions	480mm x 265mm x 44mm (Device)	
	540mm x 365mm x 135mm (Packed)	

Product Code	Model
P180-VA1-000-01	1U Scaler & Switcher with small button



SEAMLESS MIXED MATRIX LMX8-N



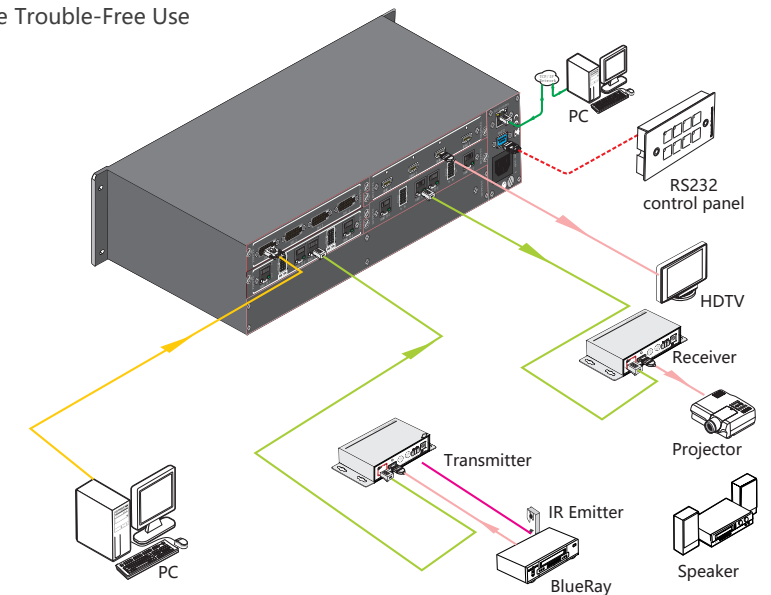
INTRODUCTION

LMX8-N is a 8 inputs and 8 outputs seamless mixed matrix, using embedded hardware architecture design. The product is stable and reliable without signals loss and delay. It is a ProAV-level high-performance audio/video modular based mixed matrix. It adopts modular design, compatible with HDMI, DVI, VGA, AV, SDI, HDBaseT and optical fiber modulars with 1080P format. Among them, HDMI, HDBaseT and fiber optic can be compatible with 4K * 2K signals. LMX16-N is a practical product which can fit the market demand of interface diversity and high complexity in China.

Features

- 2U Chassis with Industrialized Standard Design
- Modular Design Applicable for HDMI, DVI, VGA, HDBaseT, AV, SDI and Optical Fiber Embedded Hardware Architecture with Stability and Reliability, Seamless Switching without Black, Flashing and Delay.
- Flexibility and Convenience by RS232, TCP/IP, IR and Keyboard Control
- Support 10 scene Save and Load
- Supports EDID Management and HDCP Protocol
- Matrix Host and Signal Long Time Trouble-Free Use

IR: ————
 RS232: - - - - -
 TCP/IP Network: ————
 VGA: ————
 DVI: ————
 HDMI: ————
 HDMI TP: ————



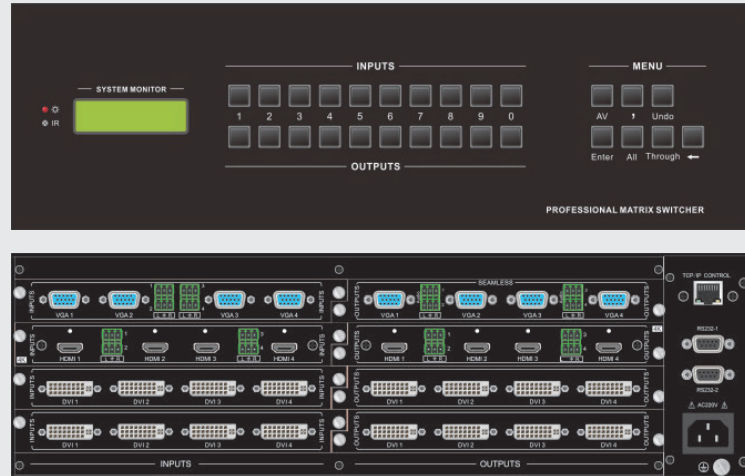
Technical Specifications

Control Parts

Serial control	DB9 RS232 female connector
Pin configuration	2-TX, 3-RX, 5-GND
Frame structure	Pluggable signal card
Front panel	Buttons
Protocol	TCP/IP

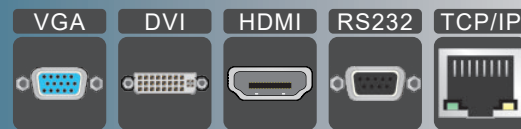
General

Power supply	100 - 240VAC 50/60Hz
Relative humidity	10% ~ 90%
Operating temperature	0°C ~ +50°C
Power Consumption	23W
Size	Without Hangers: 437x318x88mm With Hangers: 483x318x88mm



SEAMLESS MIXED MATRIX

LMX16-N



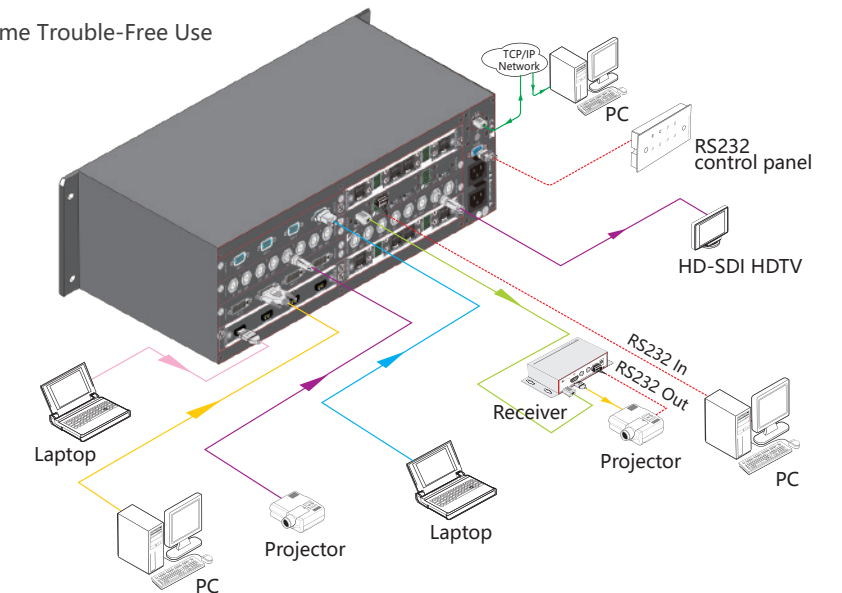
INTRODUCTION

LMX16-N is a 16 inputs and 16 outputs seamless mixed matrix, using embedded hardware architecture design. The product is stable and reliable without signals loss and delay. It is a ProAV-level high-performance audio/video modular based mixed matrix. It adopts modular design, compatible with HDMI, DVI, VGA, AV, SDI, HDBaseT and optical fiber modulars with 1080P format. Among them, HDMI, HDBaseT and fiber optic can be compatible with 4K * 2K signals. LMX16-N is a practical product which can fit the market demand of interface diversity and high complexity in China.

Features

- 3U Chassis with Industrialized Standard Design
- Modular Design Applicable for HDMI, DVI, VGA, HDBaseT, AV, SDI and Optical Fiber
- Embedded Hardware Architecture with Stability and Reliability, Seamless Switching without Black, Flashing and Delay.
- Flexibility and Convenience by RS232, TCP/IP, IR and Keyboard Control
- Support 10 scene Save and Load
- Supports EDID Management and HDCP Protocol
- Matrix Host and Signal Long Time Trouble-Free Use

- IR: ————
- RS232: - - - - -
- TCP/IP Network: ————
- VGA: ————
- DVI: ————
- HDMI: ————
- HDMI TP: ————
- SDI: ————



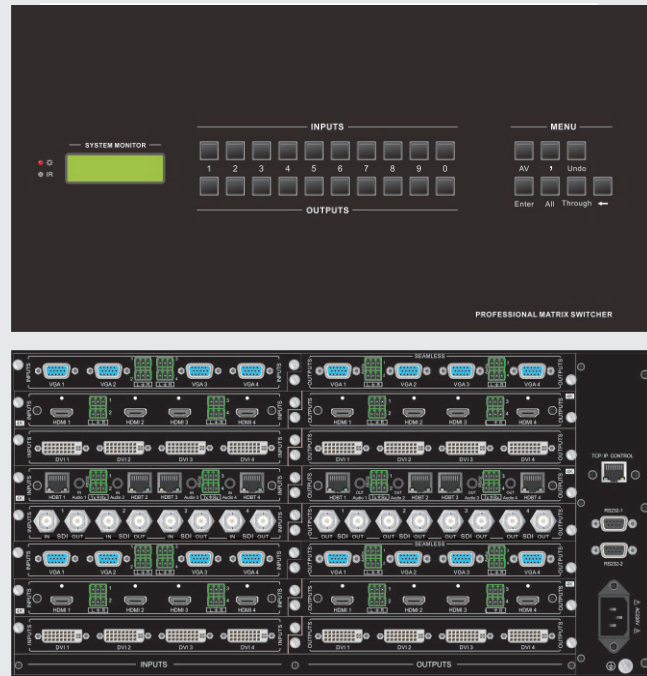
Technical Specifications

Control Parts

Serial control port	DB9 RS232 female connector
Pin configuration	2-TX, 3-RX, 5-GND
Frame structure	Pluggable signal card
Front panel	Buttons
Protocol	TCP/IP

General

Power supply	100 - 240VAC 50/60Hz
Relative humidity	10% ~ 90%
Operating temperature	0°C ~ +50°C
Power Consumption	31W
Size	Without Hangers: 437x317x133mm (3U) With Hangers: 483x317x133mm (3U)



32X32 SEAMLESS HYBRID PLUG-IN MATRIX LMX32-N



INTRODUCTION

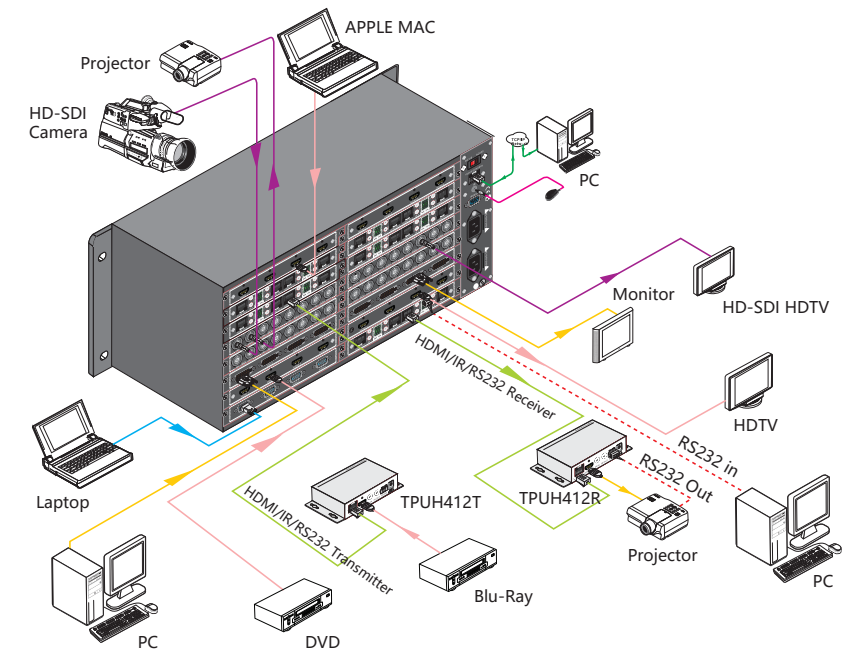
LMX32-N is a 32 inputs and 32 outputs seamless mixed matrix, using embedded hardware architecture design. The product is stable and reliable without signals loss and delay. It is a ProAV-level high-performance audio/video modular based mixed matrix. It adopts modular design, compatible with HDMI, DVI, VGA, AV, SDI, HDBaseT and optical fiber modulars with 1080P format, Among them, HDMI, HDBaseT and fiber optic can be compatible with 4K * 2K signals. LMX16-N is a practical product which can fit the market demand of interface diversity and high complexity in China.

PRODUCT OVERVIEW

Features

- 5U Chassis with Industrialized Standard Design
- Modular Design Applicable for HDMI, DVI, VGA, HDBaseT, AV, SDI and Optical Fiber
- Embedded Hardware Architecture with Stability and Reliability, Seamless Switching without Black, Flashing and Delay.
- Flexibility and Convenience by RS232, TCP/IP, IR and Keyboard Control
- Support 10 scene Save and Load
- Supports EDID Management and HDCP Protocol
- Matrix Host and Signal Long Time Trouble-Free Use

IR: ————
 RS232: - - - - -
 TCP/IP Network: ————
 VGA: ————
 DVI: ————
 HDMI: ————
 HDBaseT: ————
 SDI: ————



Technical Specifications

Control Parts

Serial control port	DB9 RS232 female connector
Pin configuration	2-TX, 3-RX, 5-GND
Frame structure	Pluggable signal card
Front panel	Keyboard
Protocol	TCP/IP

General

Power supply	100 - 240VAC 50/60Hz
Relative humidity	10% ~ 90%
Operating temperature	0°C ~ +50°C
Power Consumption	60W
Size	Without Hangers: 437x320x222mm (5U) With Hangers: 483x320x222mm (5U)

PRODUCT OVERVIEW



4K@60HZ PORTABLE MONITOR
PM SERIES

INTRODUCTION

- Support HDMI 2.0 & Mini DP for 4K60 UHD Display
- Full Function Type-C Interface
- OSD Display Menu
- Built-in Dual Channel Speaker
- Support 3.5mm Headphone Plug
- Flexible PD Power From 5-20 V



Full Function Type-C Mode

PM monitor can connect with laptop via single USB-C cable for audio and video (Laptop support USB C3.1 with PD protocol)



Reverse Charging Mode

Type-C, you can charge the device by connecting an external power adapter.



Device Compatibility:

Mobile Phone | 2018 iPad Pro Laptop with PD protocol
Input Voltage: 5V-20V Input Current: 1A-3A

Flexible Power Mode

When connected to a source via an HDMI cable, the PM monitor can utilize Type-C power with PD protocol.

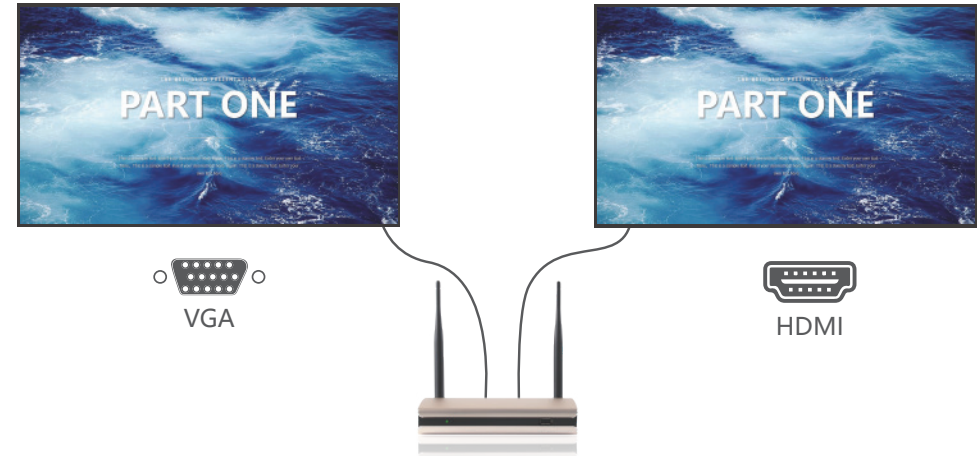


Module	PM133 / PM156/ PM173	
Specifications	Color	Black
	Screen Size	13.3 inch 15.6 inch 17.3 inch
	Panel Type	IPS
	Brightness	300 cd/m
	Color Gamut	NTSC 72%(sRGB99%)
	Speaker	Built-in 2 w speaker
	Contrast	1000:01:00
	Viewing Angle	178°
	Aspect Ratio	16:9
	Maximum Resolution	3840x2160@60Hz
Port Type	HDMI	HDMI 2.0 with downward capacity, support HDCP2.2
	mini DP	DP1.2 with downward capacity
	Type-C	for Mobile Phone and PC that support type-C
	Audio	3.5mm audio jack
	Type-C PD	Compatible with PD power 5-20 Volt
Mechanical	尺寸	360mm x 225mm x 11mm
	Weight	800g

PRODUCT OVERVIEW

Dual Output Channel

Support Both HDMI and VGA Output. Ideal for any Type of Display Solution



T1



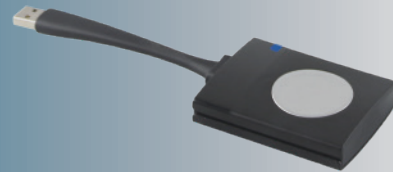
T2 / T4



T9

WIRELESS CONTENT SHARING SYSTEM

T SERIES



INTRODUCTION

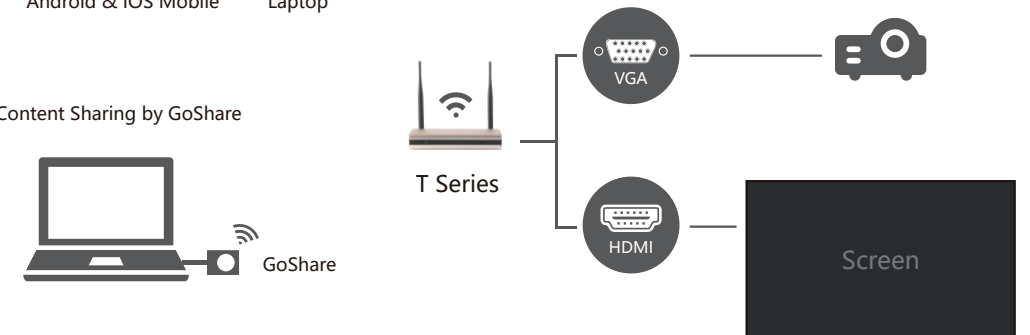
GoShare is the simplest way to connect and participate in a meeting. It enables users to share content wirelessly. GoShare is based on the Linux system, offering more stability and safety compared to traditional Android systems. With default 5GHz transmission, it ensures minimal signal transfer delays. It supports wireless transmission from Windows, Mac, Android, iOS platforms, and universal HDMI sources. No cables, no setup, and no waiting to join in, making it perfect for meeting rooms.

Connection

Wireless Content Sharing by APP



Wireless Content Sharing by GoShare



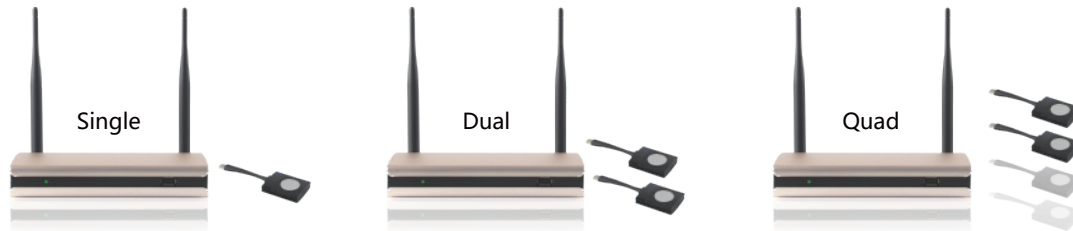
Multi Screen Sharing



Dual Display

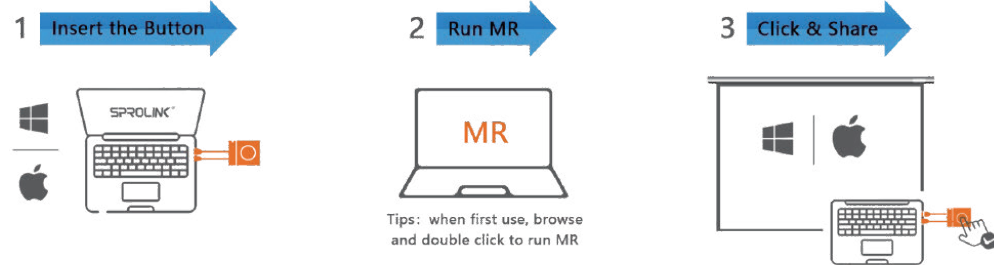
Quad Display

Multi Display

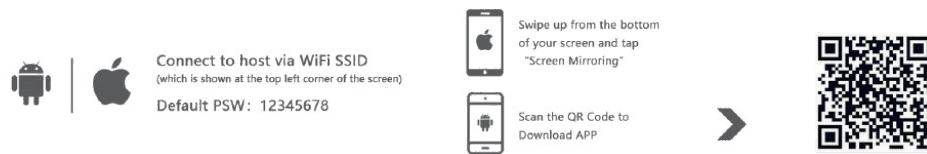


System Connection

PC Users



Pad / Phone Users



Application



Operating System	Windows 7/8.1/10 32bit and 64bitMAC OS X 10.10/10.11/10.12 and up Smart Phone wireless mirror Support IOS airplay, iOS9/iOS10/iOS11, OS X 10.10/10.11/10.12 and above Android 5.0 and above.
Output Audio	1xHDMI, 1xAudio analog line out on mini jack socket (3.5mm), 44.1KHz /16bit
Other Port	1x RJ45, 2xUSB
Output Resolution	3840x1080 3840x2160 4096x2160
Number of Sources Simultaneous on Screen	1 / 2 / 4 / 9
Number of Simultaneous Connections	T1 1 / T2 2/ T16
Wireless Transmission Protocol	IEEE 802.11ac/802.11n
Wireless Transmission Speed	Up to 867Mbps
Wireless Transmission Distance	max. 30m (100 ft) between Goshare and Base Unit
Frequency band	2.4 GHz and5 GHz (Default)
Anti-theft protocol	WPA2-PSK
Transimission delay	Less than 100mS
Wireless LAN	Optional
Power Supply	Goshare Base Unit: 12V/1A, Power Consumption 5W Goshare Button: 5V/500mA, Power Consumption1.5W
Power Consumption	40W
Temperature	Operating: -5°C to + 40°C
Humidity	Storage: 0 to 90% relative humidity, non-condensing Operation: 0 to 85% relative humidity, non-condensing
Weight	Device weight:750g Packaging weight:1680g
Dimension	190mm x 120mm x 30mm (Device) Packaging dimensions: 335mmx218mmx73mm