2021 / 2022

aegis

CONNECTION TOGETHER

CONNECT AUDIO VISUAL TOGETHER

PRODUCT CATALOG

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CONNECTION TOGETHER

About aegis Multimedia

aegis, a Taiwan-based company, offers professional and be integrated AV products. With "Connection Together" as the core value, aegis emphasizes not only the connection between AV source signals to displays, but also the strong connection between aegis and its customers. To provide efficient and seamless delivery of audio-visual communication and information, aegis devotes to the development and manufacture of innovative AV solutions such as AV over IP, Video Processors, Video Extenders, Video Converters and Switches. aegis system connect, manage and optimize AV products in video wall, digital signage, broadcast, medical, education and control management markets.

As an aegis partner, you receive supports, tools and knowledge you need in promoting aegis products and services. From latest marketing materials, technical documents, certifications to technical supports, aegis fulfills its core value "Connection Together" with partners.

Product Portfolio

CE FC ROHS

For Industry

AV over IP	4KPROIP series AVP Series	up to 4K/60hz in 10G and 1080P 1G Solution/1080P desktop recorder
Video Processor	4KVIEWER	up to 4K/30hz Quad View with KVM.
Video Extender	4KEXTENDER	up to 4K/60hz over Cat.6/6e/7 HDMI 2.0 /DP 1.2a PoC with /without KVM.
Video Switch	4KHDBT	up to 4K/60hz 4:4:4 4 with 4 inputs / 2inputs with 4 outputs HDMI 2.0 with PoC
Converter	4KCHANGER TAP	up to 4K/60hz 4-inputs Mini DP, HDMI, VGA, USB Type C inputs with 1-output HDMI with /without local output models

For Consumer

Video Switch	SWT Series	KVM Switch with HDMI 2.0 output and dual Type-C input up to 4K/30hz with Displayport output and dual Type-C up to 4K/60hz
Video Splitter	SPP Series	Type-C splitter video audio source to dual HDMI or dual/triple DisplayPort models 1X2/1X4 HDMI 1.4 4K/30hz splitters
USB Extender	EXP Series	USB 2.0 1by1 or 1by4 over Cat5e/6 up to 50M models

Accessory

Cable	HDMI AOC 2.0/2.1, USB-C type to Micro B 2.0

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AV Solutions for Industry

Corporate

From the boardroom, conference meeting room to training rooms, aegis offers a complete AV solutions that digital content can be easily shared over any network.

Health Care

aegis AV solution features high resolution, no latency and long transmission to improve outcomes of medical training and conference systems and also enhance the patient experience in hospital.

Government & Security

aegis AV distribution brings the advantages of zero latency, multiple image processing, intuitive control system and integration features for the government and security projects.

Entertainment

Whether for sports bar, lounge, live concert or eSports, aegis' AV system incorporates with mobile IP technologies offering a reliable 4K/60Hz in real-time system to enrich your entertainment experience.

Education

To meet the growing use of video in education, aegis AV multi-signal products with user-friendly feature can enhance students learning experience and also empower lecturers to optimize the teaching experience.

Housing

aegis AV solution is a flexible, scalable and integrable system for modern smart home environments.

Retail

With aegis' single/multi-image video-wall processors and IP streaming products, retailers can easily attract customers' attentions and display an effective messages.

Exhibition

aegis AV over IP solutions can deliver uncompressed 4K/UHD content throughout the exhibitions facility and space so to increase the effective level in the trade show.

4KPROIP-CAT-DE / 4KPROIP-CAT-DE-U (KVM) 4K ULTRA HD SDVOE

HDMI 2.0 10G AV over IP Cat.6 4K/60hz 4:4:4 Decoder

HDCP 2.2 | HDMI 2.0 | HDR 10 | Cat.6 Cat.6a | Auto Scaling | 10G Solution | RS 232 Commands | IR Bi-directional | Deep Color 12,24,36 bit | 1GbE for control Software | Matrix Switch | Multiview | Video Wall

AV over IP

Front

4KPROIP-CAT-DE

4KPROIP-CAT-DE-U

Back

4KPROIP-CAT-DE

4KPROIP-CAT-DE-U

Features

- Zero Compression & Zero frame latency
- Supports UltraHD 4K/60 (4:4:4), HDMI 2.0 & HDCP 2.2
- 4K/60Hz Over 10G Copper
- Easy to expand the system : adding quantity of Encoder or Decoder whenever needed
- IP control via website, tablet and smart phone
- RS-232 Serial Port (Bidirectional)
- IR (Bidirectional)
- Scalable : wide range of down-scaling & up-scaling
- 1Gb network port
- Long distance transmission : Standard Industrial Cat.6 Cable up to 100M between encoder/decoder and 10G switch Line Audio Out
- Visual Capability : Matrix , Video Wall, MultiView, Point to Point
- Rack & Under Table Mounting
- USB 2.0 Type A as KVM feature

Specifications

	Function	4KPROIP-CAT-DE	4KPROIP-CAT-DE-U
Video	Input Ports	10G Ethernet: RJ45 Jack x 1 Infrared: 3.5mm Stereo Jack x 1 via Receiver 1G Ethernet: RJ45 Jack x 1 Power: Locking DC Jack x 1	10G Ethernet: RJ45 Jack x 1 Infrared: 3.5mm Stereo Jack x 1 via Receiver Console: USB-A Jack x 3 1G Ethernet: RJ45 Jack x 1 Power: Locking DC Jack x 1
	Output Ports	Video: HDMI Jack x 1 Audio: 3.5mm Stereo Jack x 1 Infrared: 3.5mm Stereo Jack x 1 via Blaster RS232: Phoenix 3 Pin Female x 1	
	HDMI Version	HDMI 2.0	
	HDCP Version	HDCP 2.2	
	Resolution	Up to 4KX2K/60Hz	
	Deep Color	Up to 36 bit	
Audio	Audio	HDMI: Up to 8 Channels (7.1) Analog: 2.1 Channels (Input & Output)	
General	Infrared	20~60 KHz Frequency	
	RS232	Up to 115.2kbps	
	USB Version	USB 2.0	
	Distance	Up to 100m / 328ft	
	Power	100~240V, 12VDC / 2.0Amp.	
	Consumption	24 Watt Max.	
Physical	Product Dimension	(L)8.3in X (W) 5.7in X (H) 2.0in (210mm X 146mm X 52mm)	
	Product Weight	1.69 lb (760g)	
	Package Dimension	(L)258mm X (W)198mm X (H) 97mm	
	Package Weight	1247g	
Environmental	Operation Temperature	32°F - 104°F (0°C - 40°C)	
	Storage Temperature	32°F - 176°F (0°C - 80°C)	
	Humidity	Operation: 20% - 90% (Non-Condensing) Storage: 20% - 90% (Non-Condensing)	

4KPROIP-CAT-EN / 4KPROIP-CAT-EN-U (KVM) 4K ULTRA HD SDVOE

HDMI 2.0 10G AV over IP Cat.6 4K/60hz 4:4:4 Encoder

HDCP 2.2 | HDMI 2.0 | HDR 10 | Cat.6 Cat.6a | Auto Scaling | 10G Solution | RS 232 Commands | IR Bi-directional | Deep Color 12,24,36 bit | 1GbE for control Software | Matrix Switch | Multiview | Video Wall

Front

4KPROIP-CAT-EN

4KPROIP-CAT-EN-U

Back

4KPROIP-CAT-EN

4KPROIP-CAT-EN-U

Features

- Zero Compression & Zero frame latency
- Supports UltraHD 4K/60 (4:4:4), HDMI 2.0 & HDCP 2.2
- 4K/60Hz Over 10G Copper
- Easy to expand the system : adding quantity of Encoder or Decoder whenever needed
- IP control via website, tablet and smart phone
- RS-232 Serial Port (Bidirectional)
- IR (Bidirectional)
- Scalable : wide range of down-scaling & up-scaling
- 1Gb network port for NB plug in to control CBS
- Long distance transmission : Standard Industrial Cat.6 Cable up to 100M between encoder/decoder and 10G switch
- Line In/Out Audio
- Visual Capability : Matrix , Video Wall, MultiView, Point to Point
- Rack & Under Table Mounting
- USB 2.0 Type B as KVM feature

Specifications

	Function	4KPROIP-CAT-EN	4KPROIP-CAT-EN-U
Video	Input Ports	Video: HDMI Jack x 1 Audio: 3.5mm Stereo Jack x 1 Infrared: 3.5mm Stereo Jack x 1 via Receiver RS232: Phoenix 3 Pin Female x 1 1G Ethernet: RJ45 Jack x 1 Power: Locking DC Jack x 1	Video: HDMI Jack x 1 Audio: 3.5mm Stereo Jack x 1 Infrared: 3.5mm Stereo Jack x 1 Via Receiver RS232: Phoenix 3 Pin Female x 1 USB: B Type Jack x 1 1G Ethernet: RJ45 Jack x 1 Power: Locking DC Jack x 1
	Output Ports	10G Ethernet: RJ45 Jack X 1 Infrared: 3.5mm Stereo Jack X 1 via Blaster	
	HDMI Version	HDMI 2.0	
	HDCP Version	HDCP 2.2	
	Resolution	Up to 4KX2K/60Hz	
	Deep Color	Up to 36 bit	
Audio	Audio	HDMI: Up to 8 Channels (7.1) Analog: 2.1 Channels (Input & Output)	
General	Infrared	20~60 KHz Frequency	
	RS232	Up to 115.2kbps	
	USB Version	USB 2.0	
	Distance	Up to 100m / 328ft	
	Power	100~240V, 12VDC / 2.0Amp.	
	Consumption	24 Watt Max.	
Physical	Product Dimension	(L)8.3in X (W) 5.7in X (H) 2.0in (210mm X 146mm X 52mm)	
	Product Weight	1.69 lb (760g)	
	Package Dimension	(L)258mm X (W)198mm X (H) 97mm	
	Package Weight	1247g	
Environmental	Operation Temperature	32°F - 104°F (0°C - 40°C)	
	Storage Temperature	32°F - 176°F (0°C - 80°C)	
	Humidity	Operation: 20% - 90% (Non-Condensing) Storage: 20% - 90% (Non-Condensing)	

4KPROIP-CBS

10G AV over IP Control Box Software

Matrix | KVM USB 2.0 | Video Wall 8x5 | Multiview 42 layouts | Configuration

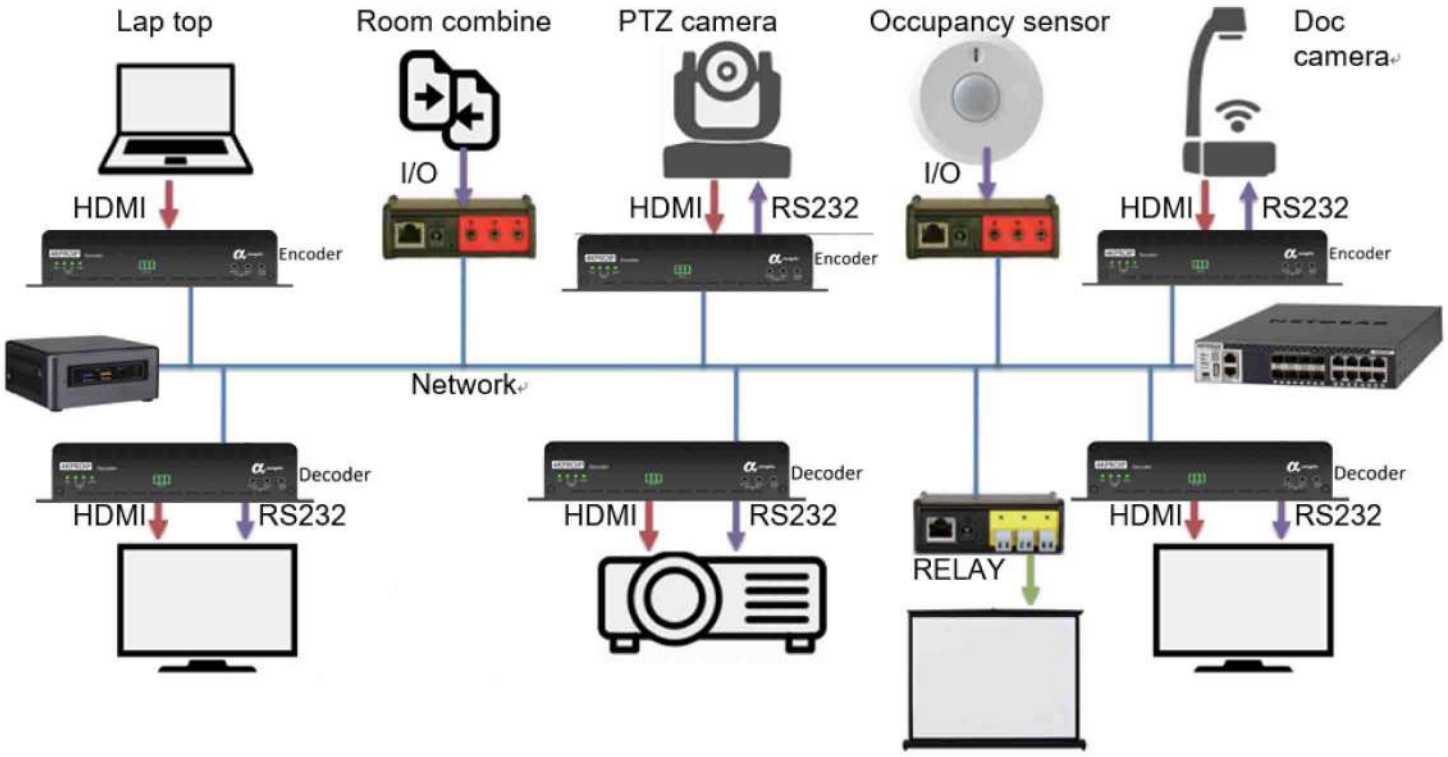
4K ULTRA HD SDVOE

AV over IP

Features

- **Complete and independent audio, video and control matrix switching**
  Handles all typical signals found in Pro AV environment
- **Unmatched I/O flexibility, one end point per source/display**
  Free yourself from fixed matrix sizes forever
- **HDCP compliant**
  AES 128bit encrypted video delivery of protected content
- **Video distribution using off the shelf 10GbE network switches**
  Trusted performance from switch companies like Edgecore and Netgear
- **Superior SDVoE technology with Zero frame latency**
  Picture perfect image reproduction with identical timing
- **Seamless switching**
  The only technology that can truly handle it
- **4K 60 HDR**
  The only technology that can truly handle it
- **Built in broadcaster scaler**
  Accept and display any resolution to match all your displays
- **Distributed video matrix with built in redundancy**
  No more centralized matrix frame to fail, only end points to hot swap out, no system down time
- **MultiView**
  Display up to 42 images for high res 4K video collaboration

GUI Application



4KPROIP-CBS

10G AV over IP Control Box Software

Matrix | KVM USB 2.0 | Video Wall 8x5 | Multiview 42 layouts | Configuration

AV over IP

Specifications

	Function	4KPROIP-CBS
Video	Interfaces	HDMI 2.0 / HDMI 1.4 / DVI 2.0 Pixel clock up to 594 MHz
	Resolutions	All SD, HD, and other resolutions up to • 4K / 60Hz / RGB and 4:4:4 8 bit • 4K / 60Hz / 4:2:2 10 bit (HDR) • 4K / 60Hz / 4:2:0 10 bit (HDR)
Audio	Interfaces	All audio formats supported by HDMI 1.4 and HDMI 2.0, including: LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD I2S stereo input and output up to 48 kHz 24-bit
General	Control Interfaces	• RS-232 (up to 115.2 kbaud) • Infrared • USB 2.0 (full device support, up to 480 Mbps) with 3rd party chipset • Gigabit Ethernet
	Transmission Interfaces	10 Gigabit XFI, IEEE 802.3 (RJ45 and SFP+)
	Transmission Distance (Category Cable)	• Up to 100 meters on CAT6A or better for 4K / 60 Hz / 4:4:4 video • Up to 55 meters on CAT6 or better for 4K / 30 Hz / 4:4:4 video • Cat-X support requires a 3rd party 10GBaseT PHY
	Transmission Distance (fiber)	Interchangeable, field replaceable SFP+ modules • Up to 300/550 meters with multi-mode OM3/OM4 fiber • Up to 30 km with single-mode fiber
	Digital Content	20~60 KHz Frequency
	Digital Content Protection AV Processing Technology	HDCP 1.2 / HDCP 2.2 Compatible AptoVision Plethora• Broadcast quality up-scaling and down-scaling • Color space and frame-rate conversion • Multi-source video compositing • Ultra-light compression, lossless for most content • Audio embedding and de-embedding - • Audio down-mixing and re-sampling • Video-splitting and bezel correction
	Synchronization Technology	AptoVision ACR (Automatic Clock Recovery)
	Multi-Signal Streaming Technology	BlueRiver Channel Coder • Encoding multiple native signals into IP streams • Decoding IP streams into multiple native signals • Bidirectional, 10Gbps
	Encryption	AES-128
	ESD Protection	Human-body Model: ±8kV(Air-gap discharge)/±4kV(Contact discharge)
	Power Consumption	15.24 W 16.24 W
	Power Supply	12V DC
	Transport Distance	30m with Cat6 cable, 100m with Cat6a cable, 100m with Cat7 cable
Physical	Product Dimension	(L)139mm X (W)210mm X (H) 35mm
	Product Weight	~1.5 Kg
Environmental	Operation Temperature	32°F - 113°F (0°C - 45°C)
	Storage Temperature	-4°F - 158°F (-20°C - 70°C)
	Humidity	10% to 90%, noncondensing Storage: 20% - 90% (Non-Condensing)

4KPROIP-FOC-DE / 4KPROIP-FOC-DE-U

HDMI 2.0 10G AV over IP Fiber 4K/60hz 4:4:4 Decoder

4K ULTRA HD SDVOE

HDCP 2.2 | HDMI 2.0 | HDR 10 | SFP+ | Auto Scaling | 10G Solution | RS 232 Commands | IR Bi-directional | Deep Color 12,24,36 bit | 1GbE for control Software | Matrix Switch | Multiview | Video Wall

Front

4KPROIP-FOC-DE

4KPROIP-FOC-DE-U

Back

4KPROIP-FOC-DE

4KPROIP-FOC-DE-U

Features

- Zero Compression & Zero frame latency
- Supports UltraHD 4K/60 (4:4:4), HDMI 2.0 & HDCP 2.2
- 4K/60Hz Over 10G Fiber
- Easy to expand the system : adding quantity of Encoder or Decoder whenever needed
- IP control via website, tablet and smart phone
- RS-232 Serial Port (Bidirectional)
- IR (Bidirectional)
- Scalable : wide range of down-scaling & up-scaling
- 1Gb network port
- Long distance transmission : Standard Industrial Fiber SFP+ Cable up to 20KM between encoder/decoder and 10G switch
- Line Audio Out
- Visual Capability : Matrix , Video Wall, MultiView, Point to Point
- Rack & Under Table Mounting
- Fiber Cable supports 10KM, 20KM, or 40KM range
- USB 2.0 Type A as KVM feature

Specifications

	Function	4KPROIP-FOC-DE	4KPROIP-FOC-DE-U
Video	Input Ports	SFP+: SFP+ Socket X 1 Infrared: 3.5mm Stereo Jack X 1 via Receiver 1G Ethernet: RJ45 Jack X 1 Power: Locking DC Jack X 1	SFP+: SFP+ Socket X 1 Infrared: 3.5mm Stereo Jack X 1 via Receiver Console: USB-A Jack X 3 1G Ethernet: RJ45 Jack X 1 Power: Locking DC Jack X 1
	Output Ports	Video: HDMI Jack X 1 Audio: 3.5mm Stereo Jack X 1 Infrared: 3.5mm Stereo Jack X 1 via Blaster RS232: Phoenix 3 Pin Female X 1	
	HDMI Version	HDMI 2.0	
	HDCP Version	HDCP 2.2	
	Resolution	Up to 4KX2K/60Hz	
	Deep Color	Up to 36 bit	
Audio	Audio	HDMI: Up to 8 Channels (7.1) Analog: 2.1 Channels (Input & Output)	
General	Infrared	20~60 KHz Frequency	
	RS232	Up to 115.2kbps	
	USB Version	USB 2.0	
	Distance	Up to 100m / 328ft	
	Power	100~240V, 12VDC / 2.0Amp.	
	Consumption	24 Watt Max.	
Physical	Product Dimension	(L)8.3in X (W) 5.7in X (H) 2.0in (210mm X 146mm X 52mm)	
	Product Weight	1.69 lb (760g)	
	Package Dimension	(L)258mm X (W)198mm X (H) 97mm	
	Package Weight	1247g	
Environmental	Operation Temperature	32°F - 104°F (0°C - 40°C)	
	Storage Temperature	32°F - 176°F (0°C - 80°C)	
	Humidity	Operation: 20% - 90% (Non-Condensing) Storage: 20% - 90% (Non-Condensing)	

4KPROIP-FOC-EN / 4KPROIP-FOC-EN-U (KVM) 4K ULTRA HD SDVOE

HDMI 2.0 Over 10G Fiber 4K/60hz 4:4:4 Encoder

HDCP 2.2 | HDMI 2.0 | HDR 10 | SFP+ | Auto Scaling | 10G Solution | RS 232 Commands | IR Bi-directional | Deep Color 12,24,36 bit | 1GbE for control Software | Matrix Switch | Multiview | Video Wall

Front

4KPROIP-FOC-EN

4KPROIP-FOC-EN-U

Back

4KPROIP-FOC-EN

4KPROIP-FOC-EN-U

Features

- Zero Compression & Zero frame latency
- Supports UltraHD 4K/60 (4:4:4), HDMI 2.0 & HDCP 2.2
- 4K/60Hz Over 10G Fiber
- Easy to expand the system : adding quantity of Encoder or Decoder whenever needed
- IP control via website, tablet and smart phone
- RS-232 Serial Port (Bidirectional)
- IR (Bidirectional)
- Scalable : wide range of down-scaling & up-scaling
- 1Gb network port
- Long distance transmission : Standard Industrial Fiber SFP+ Cable up to 20KM between encoder/decoder and 10G switch
- Fiber Cable supports 10KM, 20KM, or 40KM range
- Line Audio Out
- Visual Capability : Matrix , Video Wall, MultiView, Point to Point
- Rack & Under Table Mounting
- USB 2.0 Type B as KVM feature

Specifications

	Function	4KPROIP-FOC-EN	4KPROIP-FOC-EN-U
Video	Input Ports	Video: HDMI Jack x 1 Audio: 3.5mm Stereo Jack x 1 Infrared 3.5mm Stereo Jack x 1 via Receiver RS232: Phoenix 3 Pin Female x 1 1G Ethernet:RJ45 Jack x 1 Power: Locking DC Jack x 1	Video: HDMI Jack X 1 Audio: 3.5mm Stereo Jack X 1 Infrared: 3.5mm Stereo Jack X 1 via Receiver RS232: Phoenix 3 Pin Female X 1 1G Ethernet: RJ45 Jack X 1 Power: Locking DC Jack X 1
	Output Ports	SFP+: SFP+ Socket x 1 Infrared: 3.5mm Stereo Jack x 1 via Blaster	SFP+: SFP+ Socket X 1 Infrared: 3.5mm Stereo Jack X 1 via Blaster Console: USB-B Jack X 1
	HDMI Version	HDMI 2.0	
	HDCP Version	HDCP 2.2	
	Resolution	Up to 4KX2K/60Hz	
	Deep Color	Up to 36 bit	
Audio	Audio	HDMI: Up to 8 Channels (7.1) Analog: 2.1 Channels (Input & Output)	
General	Infrared	20~60 KHz Frequency	
	RS232	Up to 115.2kbps	
	USB Version	USB 2.0	
	Distance	Up to 100m / 328ft	
	Power	100~240V, 12VDC / 2.0Amp.	
	Consumption	24 Watt Max.	
Physical	Product Dimension	(L)8.3in X (W) 5.7in X (H) 2.0in (210mm X 146mm X 52mm)	
	Product Weight	1.69 lb (760g)	
	Package Dimension	(L)258mm X (W)198mm X (H) 97mm	
	Package Weight	1247g	
Environmental	Operation Temperature	32°F - 104°F (0°C - 40°C)	
	Storage Temperature	32°F - 176°F (0°C - 80°C)	
	Humidity	Operation: 20% - 90% (Non-Condensing) Storage: 20% - 90% (Non-Condensing)	

AVP-CBS2K-101

1G AV over IP Cat.6 1080P IP Controller

1G Solution | PoE | Cat.6 Cat.6a | RS 232 Commands | Web GUI | Configuration | Management

Front

Features

- IP control via LAN (Web GUI & Telnet) and a third party controller
- Features two Ethernet ports and two RS232 ports
- Discover encoders and decoders automatically
- Supports matrix switching between encoders and decoders
- Compatible with the configuration file from PC configurator to quickly perform operations on encoders and decoders, such as matrix and video wall
- Web configuration page

Back

Specifications

	Function	AVP-CBS2K-101
Technical	I/O Connections	1 x LAN1 (AV/POE)(10/100Mbps) 1 x LAN2 (C)(10/100Mbps) 2 x RS232
	LED	1 x STATUS LED 1 x POWER LED
	Button	1 x RESET Button
	Control Method	LAN (Web GUI & Telnet), RS232 and a third party controller
General	Power Supply	12 VDC 1A
	Power Consumption	4.5W Max. (without outputting 12 V 0.5 A using RS232port) 10.5W Mas. (with outputting 12 V 0.5 A using RS232 port)
	Surge Protection	Voltage: ±1000V
	ESD Protection	Human body model: ±8kV (air-gap discharge) / ±4kV (contact discharge)
Physical	Product Dimension	(L) 3.67in X (W) 1.02in X (H) 5.4in (93.2mm X 26mm X 138.7mm)
	Product Weight	0.38kg/0.84lbs (without accessories)
	Package Dimension	(L)6.69in X (W)3.15in X (H) 9.84in (170mm X 80mm X 250mm)
Environmental	Operation Temperature	32°F - 113°F (0°C - 45°C)
	Storage Temperature	-4°F - 140°F (20°C - 70°C)
	Humidity	20% - 90% (Non-Condensing)

AVP-CBS2VW-100

1G AV over IP 1080P IP Windowing Video Processor

1G Solution | PoE | Cat.6 Cat.6a | RS 232 Bi-directional | One-Touch -Play | Auto Scaler | Up to 6 IP Stream

Front

Back

Features

- Decodes up to 6 video streams from multiple encoders and supports window roaming to H.264 decoders and a single display
- Supports input streaming resolutions up to 1920x1080P@60Hz
- 2-way RS-232 between the display and the controller system
- Supports CEC one-touch-play and standby commands to power on/off the display
- Supports auto IP/DHCP/Static IP
- Supports Telnet/Multicast/HTTP/FTP
- Ease to use with aegis IP Touch
- Supports one HDMI output
- Built-in Auto Scaler
- Supports PoE

Specifications

	Function	AVP-CBS2VW-100
Video	Input Ports	1 x LAN
	Input Type	H.264/MPEG-4 AVC
	Input Resolutions	up to 1080p@60Hz
	Output Ports	1 x HDMI
	Output Type	HDMI
	Output Resolutions	HDMI: Up to 1080P@60Hz IP Stream: Up to 1080P@60Hz
Audio	Output Ports	3-Pin Phoenix Female Connector
	Output Format	Stereo, unbalanced
General	Control Method	Windows PC configurator, PF-IP Touch on iPad and IP control box
	ESD Protection	Human-body Model: ±8kV (Air-gap discharge)/ ±4kV (Contact discharge)
	Power Supply	DC 12V 1A
	Power Consumption	8.3W
Physical	Product Dimension	(L)8.7in X (W) 1in X (H) 5.1in (220mm X 25mm X 130.2mm)
	Product Weight	0.78kg/1.72lb
Environmental	Operation Temperature	32°F - 113°F (0°C - 45°C)
	Storage Temperature	-4°F - 158°F (-20°C - 70°C)
	Humidity	10% to 90%, non-condensing

AVP-DE2K-101

HDMI 1.3 1G AV over IP Cat.6 1080P Encoder

HDCP 1.4 | HDMI 1.3 | EDID | PoE | Cat.6 Cat.6a | 1G Solution | RS 232 Commands | IR Bi-directional | Matrix | Video Wall 16x16

Front

Back

Features

- Stream HDMI/RS232/IR/USB/ HID signal over IP networks.
- Decoder offers auto scaler with output resolutions supported from 480p@60Hz to 1920 x 1080@60Hz scaling based on the EDID of display.
- Support USB (keyboard/mouse only) pass-through from decoder to encoder.
- Able to output two IP streams. One large IP stream supports streaming resolution from 480p@60Hz to 1920 x 1080@60Hz to view a video on the decoder side.
  The other small one supports streaming resolution 360 x 240@15Hz to easily preview a video on a third party device (e.g. tablet).
- Support video wall up to the dimensions of 16 x 16.
- Available API interface for PC configurator (HDMI over IP Console)
- Support audio de-embedding output.
- Support RS232 pass-through and IR pass-through
- Can work at multicast mode or unicast* mode
- Support EDID import to encoder and EDID export from display to decoder.
- Decoder can receive CEC commands from the display and report them to IP control box.
- Support CEC one-touch-play and standby commands to power on and off the display.
- Support HDCP.
- Configurable encoding bit rate up to 30 Mbps.
- Support fast and seamless switching.
- Supports PoE to be powered by power source equipment.
- Support Auto IP (zeroconf) -- automatically generates a dynamic IP address at startup in the absence of a DHCP server.
- Support communications protocols such as HTTP, TCP/IP, Telnet, UDP and IGMP.

Specifications

	Function	AVP-DE2K-101
Video	Input Port	1 x LAN, 2 X USB
	Input Type	H.264/H.265
	Input Resolution	From 480p@60Hz to 1920x1080@60Hz
	Output Port	1 x HDMI
	Output Type	HDMI 1.3, HDCP 1.4
	Output Resolution	480p@60Hz, 576P@50Hz, 800x600@60Hz, 1024x768@60Hz, 720p@50Hz, 720p@60Hz, 1280x800@60Hz, 1280x1024@60Hz, 1366x768@60Hz, 1440x900@60Hz, 1680x1050@60Hz, 1920x540@60Hz,1080@24Hz, 1080p@25Hz, 1080p@30Hz, 1080p@50Hz, 1080p@60Hz, 1920x1200@60Hz
	Impendence	100Ω
	End-to-End Time Latency	When works with AVP-EN2K-101 encoder: About 80 ms (Low latency mode, from TX to RX) About 250 ms (High quality mode, from TX to RX)
Audio	Input Port	1 x LAN
	Input Format	LPCM/MPEG4 AAC stereo
	Output Port	1 x Phoenix connector; 1 x HDMI
	Output Format	Stereo
KVM	Port	USB-A type x 2
General	Control Method	Front panel button, IP Control Box, PC configurator (HDMI over IP Console), iPad software
	ESD Protecting	Human body model: ±8kV (air-gap discharge) / ±4kV (contact discharge)
	Surge Protection	Voltage: ±1kV
	Power Supply	12 V 1A DC
	Power Consumption	6W(Max.)
Physical	Product Dimension	(L) 6.9in X (W) 0.98in X (H) 3.94in (175mm X 25mm X 100.2mm)
	Product Weight	0.50kg / 1.1lbs
Environmental	Operation Temperature	32°F - 113°F (0°C - 45°C)
	Storage Temperature	-4°F - 140°F (-20°C - 70°C)
	Humidity	10% - 90% (Non-Condensing)

AVP-EN2K-101

HDMI 1.3 1G AV over IP Cat.6 1080P Encoder

HDCP 1.4 | HDMI 1.3 | EDID | PoE | Cat.6 Cat.6a | 1G Solution | RS 232 Commands | IR Bi-directional | Matrix | Video Wall 16x16

Front

Back

Features

- Stream HDMI/RS232/IR/USB/ HID signal over IP networks.
- Encoder supports resolutions up to 1920 x 1080@60Hz.
- Able to output two IP streams.
- One large IP stream supports streaming resolution from 480p@60Hz to 1920 x 1080@60Hz to view a video on the decoder side. The other small one supports streaming resolution 360 x 240@15Hz to easily preview a video on a third party device (e.g. tablet).
- Support video wall up to the dimensions of 16 x 16.
- Available API interface for PC configurator (HDMI over IP Console)
- Support audio de-embedding output.
- Support RS232 pass-through
- Support IR pass-through
- Allow video, audio, IR, USB and RS232 signals to be routed together or separately.
- Can work at multicast mode or unicast* mode
- Support EDID import to encoder and EDID export from display to decoder.
- Support CEC one-touch-play and standby commands to power on and off the display.
- Support HDCP.
- Configurable encoding bit rate up to 30 Mbps.
- Support fast and seamless switching.
- Supports PoE to be powered by power source equipment.
- Support Auto IP (zeroconf) -- automatically generates a dynamic IP address at startup in the absence of a DHCP server.
- Support communications protocols such as HTTP, TCP/IP, Telnet, UDP and IGMP.

Specifications

	Function	AVP-EN2K-101
Video	Input Port	1 x HDMI
	Input Type	HDMI 1.3, HDCP 1.4
	Input Resolutions	640X480@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 800x600@60Hz, 1024x768@60Hz, 720p@50Hz, 720p@60Hz, 1280x800@60Hz, 1280x1024@60Hz, 1360x768@60Hz, 1366x768@60Hz, 1400x1050@60Hz, 1440x900@60Hz, 1680x1050@60Hz, 1920x540@60Hz, 1080i@50Hz, 1080i@60Hz, 1080p@50Hz, 1080p@60Hz
	Input Signal	0.5~1.2V p-p
	Output Port	1 x LAN
	Output Type	H.264/H.265, MJPEG
	Output Resolution	Large IP stream: from 480p@60Hz to 1920x1080@60Hz Small IP stream: 360x240@15Hz
	Encoding Data Rate	Large IP stream: Up to 30 Mbps, configurable Small IP stream: 512 Kbps by default, configurable
	End-to-End Time Latency	When works with the AVP-DE2K-101 decoder: About 80 ms (Low latency mode, from TX to RX) About 250 ms (High quality mode, from TX to RX)
	Impendence	100Ω
	Input DDC Signal	5V p-p(TTL)
Audio	Input Port	1 x HDMI
	Input Format	LPCM/MPEG4 AAC stereo
	Output Port	1 x Phoenix connector; 1 x LAN
	Output Format	Stereo
KVM	Port	USB Host-B type x 1
General	Control Method	IP Control Box , PC configurator (HDMI over IP Console), iPad software
	ESD Protection	Human body model: ±8kV (air-gap discharge) / ±4kV (contact discharge)
	Surge Protection	Voltage: ±1kV
	Power Supply	12 V 1A DC
	Power Consumption	6W(Max.)
Physical	Product Dimension	(L) 6.9in X (W) 0.98in X (H) 3.94in (175mm X 25mm X 100.2mm)
	Product Weight	0.50kg / 1.1lbs
Environmental	Operation Temperature	32°F - 113°F (0°C - 45°C)
	Storage Temperature	-4°F - 140°F (-20°C - 70°C)
	Humidity	10% - 90% (Non-Condensing)

AVP-EN1-100

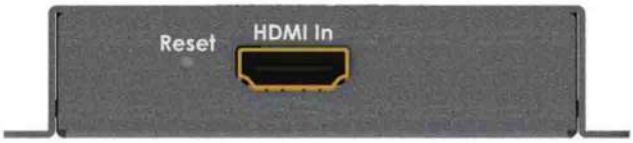
1080P Desktop Recorder

1080P | Portable | RTSP | RTMP

Front

- Lightweight and Portable
- Support resolution up to 1080P@30Hz
- Support H.264 H.265 encoding format
- Support simultaneous live streaming on any multi-platform
- Support HTTP, HLS, RTSP, RTMP down streaming, RTMP up streaming, UDP, multicast

Back



Specifications

	Function	AVP-EN1-100
Audio Encoding	Sampling Rate	16k, 32k, 44.1k, 48k
	Encode Rate Range	Arbitrary setting, recommended 64k-256kbps
	Encoding Format	AAC, PCMA, MP3, MP2
	Gain Adjustment	-24db - +24db, The default is 0, without adjusting the gain
Video Encoding	Encode Rate Range	40Mbps
	Rate Control	CBR, VBR, AVBR, FIXQP
	Encoding Format	H.264, H.265
	Encoding Agreement	H.265 Main Profile, Level 5.0
	Advanced Encoding	H.264 Baseline/ Main/ High Profile, Level 5.1
Network Agreement	General Agreement	SmartP, DualP, ROI
	SRT	HTTP, HLS, RTSP, RTMP down streaming, RTMP up streaming, UDP, multicast
	NDI	Support
Other Functions	Multi-Platform Live Broadcast	Support
	Network input	Supports simultianeous live streaming on any multi-platform
	Group Management	Supports RTSP, RTMP and other formats of network stream input encoding, re-encoding, directing, etc.
General	Power Supply	DC 12V1A or Type C 5V1A
Physical	Product Dimansion	88mm x 57mm x 18mm
	Product Weight	126g
Environmental	Operation Temperature	32°F - 113°F (0°C - 45°C)
	Storage Temperature	-4°F - 140°F (-20°C - 70°C)
	Humidity	10% - 90% (Non-Condensing)

4KVIEWER-KVM-4

4-Port HDMI Multi-View KVM Switch

Console USB | Computer USB | 4K/30hz | HDCP 1.4 | Quad View | Picture Drag & Drop | Picture Size Adjustment

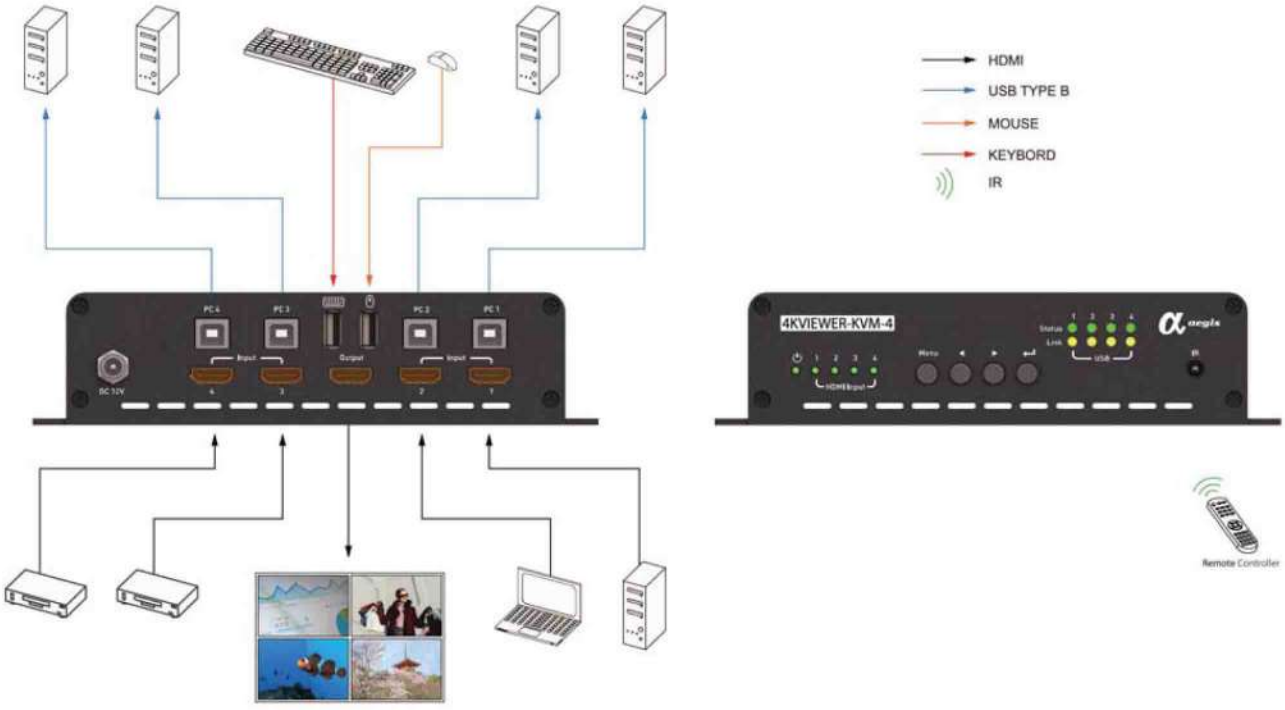
Front

Back

Features

- Multi-view modes allow users to view and control up to four video channels on one screen with display modes including Quad View, Picture in Picture (PiP), Picture by Picture (PbP), and Picture on Picture (PoP)
- Easy resizing and/or repositioning of PiP or PbP to suit users' viewing needs
- System configuration (display mode and KVM port selection) via the front panel, OSD, IR Remote control, and EnterNet commands
- Superior video quality – Up to 4K (4096 x 2160 @ 30 Hz)
- Drop-down menu – edit display windows and other functions with the console mouse and on-screen control panel
- KVM port selection via the front-panel pushbuttons, hotkeys, mouse
- Power on detection
- Hot-pluggable
- Supports keyboard combinations via emulation
- Boundless Switching – Simply moves the mouse cursor across windows to switch to other video sources

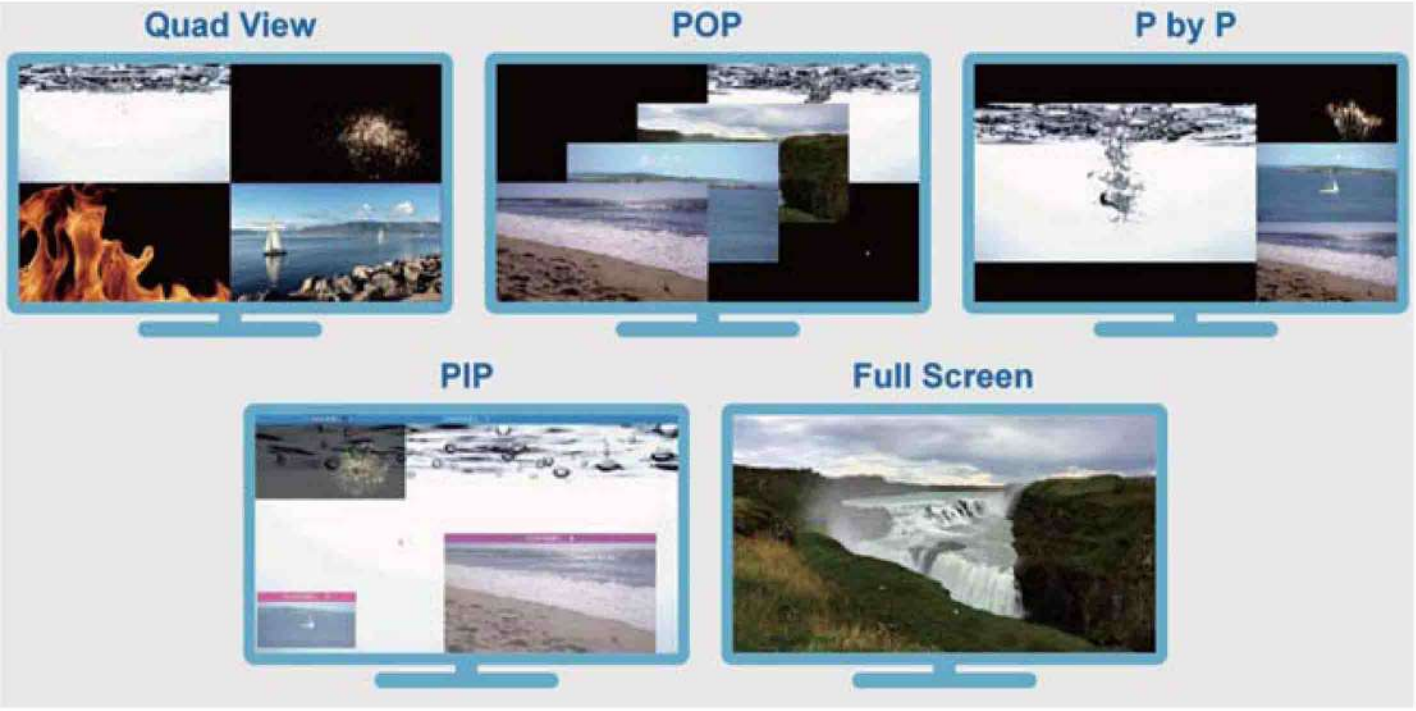
GUI Application



4KVIEWER-KVM-4

4-Port HDMI Multi-View KVM Switch

Console USB | Computer USB | 4K/30hz | HDCP 1.4 | Quad View | Picture Drag & Drop | Picture Size Adjustment



Specifications

	Function	4KVIEWER-KVM-4
Video	Input Ports	Video: HDMI Jack x 4 KVM: USB-B Jack x 4 Console: USB-A Jack X 2 (Keyboard / Mouse) Press Button X 4 Infrared: Infrared Receiver Module X 1 Power: Locking DC Jack X 1
	Output Ports	Video: HDMI Jack x 1
	HDMI Version	HDMI 1.4
	HDCP Version	HDCP 1.4
	USB Version	USB 2.0
	Resolution	Up to 4KX2K/30Hz
	Deep Color	Up to 12 bit
Audio	Audio	Up to 8 Channels (7.1)
General	Infrared	38KHz Frequency
	Distance	28AWG-2M / 26AWG-5M -4K 28AWG-2M / 26AWG-5M -1080p
	Power	100~240V , 12VDC / 2.0Amp.
	Consumption	24 Watt Max.
Physical	Product Dimension	(L) 8.3in X (W) 5.7in X (H) 2.0in (210mm X 146mm X 52mm)
	Product Weight	1.84 lb (829g)
	Package Dimension	(L) 258mm X (W) 198mm X (H) 97mm
Environmental	Package Weight	1247g
	Operation Temperature	32°F - 104°F (0°C - 40°C)
	Storage Temperature	32°F - 176°F (0°C - 80°C)
	Humidity	20% - 90% (Non-Condensing)

4KEXTENDER-100

4K UHD HDMI 2.0 Extender

4K/60hz | Cat.6 | IR Bi-directional | RS 232 Bi-directional

4K ULTRA HD 100M

Video Extender

Front

TX

RX

Back

TX

RX

Features

- Extends HDMI signals up to 100M
- Supports RS232 peripherals
- High Resolution up to 4K/60Hz (4:2:2)
- Supports lossless compressed Digital Audio formats : 2 Channel 16/20/24bit PCM at 32/44.1/48KHz
- IEC 61937 Compress audio with IEC 60958 frame rate at 2/44.1/48KHz, up to 8 channels.
- IEC Compressed audio format.
- Supports digital video formats in 'Deep Color' mode at up to 36-bit (12-bit/color)
- Uses a single CAT6/6A/7 cable for Data/DDC Transmission
- Optimal transmission quality regardless of the incoming signal quality
- Supports Bi-direction IR control HDMI source and display
- Easy to install and operate

Specifications

	Function	4KEXTENDER-100
Video	Input Ports - Transmitter	Video: HDMI Jack x 1 Infrared: 3.5 mm Stereo Jack x 1 via Receiver RS232: 3.5mm Stereo Jack x 1 Power: Locking DC Jack x 1
	Output Ports	Video: RJ45 Jack x 1 Infrared: 3.5mm Stereo Jack x 1 via Blaster
	Input Ports - Receiver	Video: RJ45 Jack x 1 Infrared: 3.5mm Stereo Jack x 1 via Receiver
	Output Ports	Video: HDMI Jack x 1 Infrared: 3.5mm Stereo Jack x 1 via Blaster RS232: 3.5mm Stereo Jack x 1
	HDMI Version	HDMI 2.0
	HDCP Version	HDCP 2.2
	Resolution	Up to 4K x 2K / 60Hz
	Deep Color	Up to 12 bit
Audio	Audio	Up to 8 Channels (7.1)
General	Infrared	20~60 KHz Frequency
	RS232	Up to 115.2kbps
	Distance	Up to 100m / 328ft - 4K Up to 150m / 490ft - 1080p
	Power	100~240V, 5VDC / 3.0Amp.
	Consumption	24 Watt Max.
Physical	Product Dimension	Transmitter: (L) 4.33in X (W) 2.95in X (H) 0.98in (110mm X 75mm X 24mm) Receiver: (L) 4.33in X (W) 2.95in X (H) 0.98in (110mm X 75mm X 24mm)
	Product Weight	Transmitter: 270g Receiver: 270g
	Package Dimension	(L) 247mm X (W) 195mm X (H) 90mm
	Package Weight	1400g
Environmental	Operation Temperature	32°F - 104°F (0°C - 40°C)
	Storage Temperature	32°F - 176°F (0°C - 80°C)
	Humidity	20% - 90% (Non-Condensing)

4KEXTENDER-100-KVM

4K UHD HDMI 2.0 with KVM Extender

4K/60hz | Cat.6 | USB 2.0 | IR Bi-directional | RS 232 Bi-directional

4K ULTRA HD | 100M | KVM

Video Extender

Front

TX

RX

Back

TX

RX

Features

- Extends HDMI signals up to 100M
- KVM feature
  Transmitter—USB 2.0 Type B*1
  Receiver—USB 2.0 Type A *2
- Supports RS232 peripherals
- High Resolution up to 4K/60Hz (4:2:2)
- Supports lossless compressed Digital Audio formats : 2 Channel 16/20/24bit PCM at 32/44.1/48KHz
  IEC 61937 Compress audio with IEC 60958 frame rate at 2/44.1/48KHz, up to 8 channels.
  IEC Compressed audio format.
- Supports digital video formats in 'Deep Color' mode at up to 36-bit (12-bit/color)
- Uses a single CAT6/6A/7 cable for Data/DDC Transmission
- Optimal transmission quality regardless of the incoming signal quality
- Supports Bi-direction IR control HDMI source and display
- Easy to install and operate

Specifications

	Function	4KEXTENDER-100-KVM
Video	Input Ports - Transmitter	Video: HDMI Jack x 1 Infrared: 3.5 mm Stereo Jack x 1 via Receiver RS232: 3.5mm Stereo Jack x 1 Power: Locking DC Jack x 1
	Output Ports	Video: RJ45 Jack x 1 Infrared: 3.5mm Stereo Jack x 1 via Blaster
	Input Ports - Receiver	Video: RJ45 Jack x 1 Infrared: 3.5mm Stereo Jack x 1 via Receiver
	Output Ports	Video: HDMI Jack x 1 Infrared: 3.5mm Stereo Jack x 1 via Blaster RS232: 3.5mm Stereo Jack x 1
	HDMI Version	HDMI 2.0
	HDCP Version	HDCP 2.2
	Resolution	Up to 4K x 2K / 60Hz
	Deep Color	Up to 12 bit
Audio	Audio	Up to 8 Channels (7.1)
General	Infrared	20~60 KHz Frequency
	RS232	Up to 115.2kbps
	Distance	Up to 100m / 328ft -4K Up to 150m / 490ft - 1080p
	Power	100~240V, 5VDC / 3.0Amp.
	Consumption	24 Watt Max.
Physical	Product Dimension	Transmitter: (L) 4.33in X (W) 2.95in X (H) 0.98in (110mm X 75mm X 24mm) Receiver: (L) 4.33in X (W) 2.95in X (H) 0.98in (110mm X 75mm X 24mm)
	Product Weight	Transmitter: 270g Receiver: 270g
	Package Dimension	(L) 247mm X (W) 195mm X (H) 90mm
	Package Weight	1400g
Environmental	Operation Temperature	32°F - 104°F (0°C - 40°C)
	Storage Temperature	32°F - 176°F (0°C - 80°C)
	Humidity	20% - 90% (Non-Condensing)

4KEXTENDER-DP-100KVM

4K/60hz DisplayPort Extender 100M-KVM

4K/60hz | PoC | DP 1.2 | Cat.6 | USB 2.0 | IR Bi-directional | RS 232 Bi-directional

Front

TX

RX

Back

TX

RX

Features

- Audio and video are transmitted digitally over CAT.6 (or up) cable without signal loss.
- Range: 100 meters with 4K2K resolution.
- Compliant with DP1.2a, main link configuration
- HDCP Support 1.3
- HBR2/HBR/RBR link rate
- 1, 2, or 4 lanes
- Support Connect USB type Keyboard & Mouse
- Support Bi-directional IR/RS-232 pass-through
- Two ways PoC, either form Tx or Rx

Specifications

	Function	4KEXTENDER-DP-100TX	4KEXTENDER-DP-100RX
Video	DisplayPort Bandwidth	21.6Gbit/s (High Bit Rate 2 (HBR2) mode)	
	DisplayPort Resolution	720P, 1080P/24,30,50,60Hz, 4Kx2K/24,30,60Hz	
	HDCP	1.3	
	Input Port	DisplayPort x 1	RJ45 x 1-Cat.6/6e/7
	Output Port	RJ45 x 1-Cat.6/6e/7	DisplayPort x 1
Audio	Audio Format	2Channel 16/20/24bit PCM at 32/44.1/48KHz IEC 61937 Compress audio with IEC 60958 frame rate at 2/44.1/48KHz, up to 8 channels. IEC Compressed audio format.	
General	Control Port	IR Blaster x 1-3.5mm	
		IR Receiver x 1-3.5mm	
		RS232 x 1-3.5mm	
		USB 2.0	USB 2.0 Type A-Keyboard
		Type B x 1	USB 2.0 Type A-Mouse
	IR Frequency	20-60Khz	
	Baud Rate	Up to 115200 bps	
	Cable Distance	4k/60Hz 8bit 4:4:4 Cat.6 100M (MAX.)	
	Power Supply	48VDC/0.5 Amp (US,UK,EU,AU Power Plug)	
	Power Consumption	18W-Max.	
Physical	Product Dimension	(L) 4.33in X (W) 2.95in X (H) 0.98in (110mm X 75mm X 25mm)	
	Product Weight	270g	
	Chassis Material	Metal	
	Chassis Color	Black	
Environmental	Operation Temperature	32°F - 104°F (0°C - 40°C)	
	Storage Temperature	-4°F - 140 °F (-20°C - 60°C)	
	Humidity	10 - 85%RH (Non-Condensing)	

4KHDBT-42P

4-input x 2-Output HDMI 2.0 Presentation Switcher with Matrix Outputs

4K ULTRA HD

HDBaseT | HDMI 2.0 | DP 1.2 | EDID | PoC | IR Bi-directional | RS 232 Commands | GUI Control

Front

TX

RX

Back

TX

RX

Features

- The transmission distance between the switcher and HDBaseT receiver can up to 70m at 1080p, and 40m at 4K video.
- Supports automatic switching.
- HDMI and DP video resolution up to 4Kx2K@60Hz 4:4:4.
- Supports HDMI 2.0, HDCP 2.2 compliant.
- Supports DP 1.2 and Multi-Stream Transport (MST).
- The MIC and LINE input can be mixed to audio outputs.
- 3-type microphone input, supports condenser microphone, dynamic microphone and wireless microphone.
- Smart EDID management: Four built-in preset EDIDs for various applications and customized setting allowed.
- Supports 12V PoC.
- Controllable by front panel buttons, IR remote, RS232 and GUI.
- Supports firmware upgrade.

Specifications

	Function	4KHDBT-42PS
Video	Input	(1) HDMI/MHL, (3) HDMI, (1) DP
	Input Connector	(3) Type-A female HDMI, (1) DisplayPort
	HDMI Input Resolution	Up to 4Kx2K@60Hz 4:4:4 8bit
	MHL Input Resolution	Up to 1080P@60Hz
	DP Input Resolution	Up to 4Kx2K@60Hz 4:4:4 8bit
	Output	(1) HDMI, (1) HDBT
	Output Connector	(1) Type-A female HDMI, (1) RJ45
	HDMI Output Resolution	Up to 4Kx2K@60Hz 4:4:4 8bit
	HDBT Output Resolution	Up to 4Kx2K@60Hz 4:2:0 8bit
	HDMI Version	2
	HDCP Version	2.2
	MHL Version	2.2
	DP Version	1.2
	HDR	Supported
	CEC	Supported
	HPD	Supported
Audio	Input	(1) MIC, (1) LINE
	Input Connector	(2) 3-pin terminal blocks
	HDMI Input Format	PCM 7.1 audio, Dolby Atmos®, Dolby® TrueHD, Dolby Digital® Plus, DTS:X™, and DTS-HD® Master Audio™ pass-through
	DP Input Format	8 channels LPCM, up to 24bit 192KHz, AC3, DTS
	LINE/MIC Input Format	PCM
	Input Impedance	>10KΩ
	Output	(1) L/R balanced analog audio
	Output Connector	(1) 5-pin terminal block
	Output Analog Format	PCM
	HDMI Output Format	Bypass Mode: PCM 7.1 audio, Dolby Atmos®, Dolby® TrueHD, Dolby Digital® Plus, DTS: X™, and DTS-HD® Master Audio™ pass-through. Mix Mode: PCM 7.1 audio.

4KHDBT-42P

4-input x 2-Output HDMI 2.0 Presentation Switcher with Matrix Outputs

4K ULTRA HD

HDBaseT | HDMI 2.0 | DP 1.2 | EDID | PoC | IR Bi-directional | RS 232 Commands | GUI Control

Specifications

	Function	4KHDBT-42PS
Audio	DP Output Format	Bypass Mode: 8 channels LPCM, up to 24bit 192KHz, AC3, DTS. Mix Mode: 8 channels LPCM, up to 24bit 192KHz, AC3, DTS.
	Max Output Level	<0.1% (-80 dB), 20Hz – 20KHz bandwidth, 1KHz sine at 0 dBFS level (or max level)
	THD+N	<0.1% (-80 dB), 20Hz – 20KHz bandwidth, 1KHz sine at 0 dBFS level (or max level)
	SNR	>80dB
	Crosstalk Isolation	>75dB, 10KHz sine at 0dBFS level (or max level before clipping)
	L-R Level Deviation	<0.5dB, 1KHz sine at 0dBFS level (or max level before clipping)
	Frequency Response Deviation	<±0.5 dB, 20Hz ~ 20KHz
	Output Load Capability	1KΩ and higher (supports 10x paralleled 10KΩ loads)
General	Control Port	(1) IR IN, (1) IR OUT, (1) IR EYE, (1) FIRWARE, (1) RS232, (1) TCP/IP
	Control Connector	(3) 3.5mm mini jacks, (1) Type-A USB, (1) 3-pin terminal block, (1) RJ45
	Transmission Distance	1080P≤70m, 4Kx2K≤40m
	Bandwidth	18Gbps
	External Power Supply	Input: AC 100~240V, 50/60Hz, Output: 24V DC 2.71A
	Power Consumption	27W (Max)
Physical	Product Dimension	(L) 220mm X (W) 44mm X (H) 172.5mm
	Product Weight	735g
Environmental	Operation Temperature	14°F - 131°F (-10°C - 55°C)
	Storage Temperature	-13°F - 158°F (-25°C - 70°C)
	Humidity	10% - 90% (Non-Condensing)
	Function	**HDBaseT Receiver**
Video	Input	(1) HDBT
	Input Connector	(1) RJ45
	Output	(1) HDMI
	Output Connector	(1) Type-A female HDMI
General	Control Port	(1) IR IN, (1) IR OUT, (1) RS232
	Control Connector	(2) 3.5mm mini jacks, (1) 3-pin terminal block
	Transmission Distance	1080P≤70m, 4Kx2K≤40m
	Resolution	Up to 4K×2K@60Hz 4:4:4 8bit
	Bandwidth	18Gbps
	HDMI Version	2
	HDCP Version	2.2
	Power Consumption	14W (max)
	External Power Supply	Input: 100VAC~240VAC, 50/60Hz, Output: 12V DC 2A
Physical	Product Dimension	(L) 115mm X (W) 16mm X (H) 84mm
	Product Weight	153g
Environmental	Operation Temperature	14°F - 131°F (-10°C - 55°C)
	Storage Temperature	-13°F - 158°F (-25°C - 70°C)
	Humidity	10% - 90% (Non-Condensing)

4KHDBT-44

4-ports HDMI 2.0 HDBaseT Matrix Switcher with 4 Receivers

4K ULTRA HD

HDBaseT | HDMI 2.0 | HDCP 2.2 | PoC | EDID | IR Bi-directional | RS 232 Commands | TCP/IP Control

Front

TX

RX

Back

TX

RX

Features

- 4x4 HDBaseT matrix switcher with audio matrix.
- Fully compliant with the HDMI 2.0 and HDCP 2.2.
- Supports HDMI resolution up to 4K@60Hz 4:4:4, HDR10.
- Features four mirrored HDMI outputs for four HDBaseT outputs, and the four HDMI outputs support 4K to 1080p down-scaling.
- The four HDBaseT outputs support 24V PoC, allowing the receivers to draw their power from the matrix switcher over the HDBaseT cable.
- Transmits 4K signal to the distance up to 131 feet (40 meters) and 1080p signal to the distance up to 230 feet (70 meters) over a single CATx Ethernet cable.
- Supports audio matrix. Provides four digital SPDIF audio outputs and four analog L+R audio outputs for HDMI input audio de-embedding and HDBaseT output audio de-embedding. Moreover, the four digital SPDIF audio outputs supports ARC audio output from receivers.
- Volume adjustment for analog L+R audio outputs.
- Supports comprehensive EDID management and advanced HDCP handling.
- Controllable via front panel buttons, RS232 local and pass-through, IR local and pass-through, CEC, and TCP/IP (built-in GUI).

Specifications

	Function	4KHDBT-44
Video	Input	(4) HDMI
	Input Connector	(4) Type-A female HDMI
	HDMI Input Resolution	Up to 4Kx2K@60Hz 4:4:4, HDR10,1080p 3D
	MHL Input Resolution	Up to 1080P@60Hz
	Output	(4) HDBaseT, (4) HDMI
	Output Connector	(4) RJ45, (1) Type-A female HDMI
	HDMI Output Resolution	Up to 4Kx2K@60Hz 4:4:4, HDR10, 1080p 3D. Supports 4K to 1080p down-scaling.
	HDBaseT Output Resolution	Up to 4Kx2K@60Hz 4:2:0
Audio	Output	(4) Stereo analog L+R audio, (4) Digital SPDIF audio
	Output Connector	(4) 3-pin terminal blocks, (4) Toslink connectors
	HDMI Signal	LPCM 7.1 audio, Dolby Atmos®, Dolby® TrueHD, Dolby Digital® Plus, DTS:X™, and DTS-HD® Master Audio™ pass-through.
	Analog L+R Format	Supports PCM
	Digital SPDIF Format	Supports PCM, Dolby Digital, DTS, DTS-HD
	Local Sampling Rate	Supports 44.1KHz, 48KHz, 96KHz
	ARC Sampling Rate	Supports 48KHz, 96KHz
	Frequency Response	20Hz – 20KHz, ±3dB
	Output Impedance	70Ohms
	Max Input Level	L+R: 2.0Vrms ± 0.5dB. 2V = 16dB headroom above -10dBV (316mV) nominal consumer line level signal. SPDIF: ±0.05dBFS.
	THD+N	< 0.05% (-80dB), 20Hz – 20KHz bandwidth, 1KHz sine at 0dBFS level (or max level).
	SNR	L+R: > 80dB, 20Hz - 20KHz bandwidth. SPDIF: > 90dB, 20Hz-20 kHz bandwidth.
	Crosstalk Isolation	SPDIF: < -70 dB, 10KHz sine at 0dBFS level (or max level before clipping). L+R: < -80 dB, 10KHz sine at 0dBFS level (or max level before clipping).
	L-R Level Deviation	L+R: < 0.3dB, 1KHz sine at 0dBFS level (or max level before clipping).
	Frequency Response Deviation	< ± 0.5dB 20Hz - 20KHz.
	Output Load Capability	L+R: 1KΩ and higher (Supports 10x paralleled 10KΩ loads).
	Stereo Channel Separation	>70dB@1KHz.
	Noise Level	L+R: -80dB; SPDIF: -90dB

4KHDBT-44

4-ports HDMI 2.0 HDBaseT Matrix Switcher with 4 Receivers

4K ULTRA HD

HDBaseT | HDMI 2.0 | HDCP 2.2 | PoC | EDID | IR Bi-directional | RS 232 Commands | TCP/IP Control

Specifications

	Function	4KHDBT-44
General	Control port	(4) IR IN, (1) IR ALL IN, (4) IR OUT, (1) IR ALL OUT, (1) IR EYE, (5) RS232, (1) FIRWARE, (1) TCP/IP
	Control Connector	(11) 3.5mm jacks, (5) 3-pin terminal blocks, (1) Type-A USB, (1) RJ45
	Transmission Mode	HDBaseT
	Transmission Distance	1080p ≤ 230 feet (70 meters), 4K@60Hz ≤ 131 feet (40 meters)
	Bandwidth	18Gbps
	External Power Supply	100V~240V AC, 50/60Hz
	Power Consumption	65W (Max)
Physical	Product Dimension	(L) 436.4mm X (W) 44mm X (H) 356.6mm
	Product Weight	3.3kg
Environmental	Operation Temperature	23°F - 131°F (-5°C - 55°C)
	Storage Temperature	-13°F - 158°F (-25°C - 70°C)
	Humidity	10% - 90% (Non-Condensing)
	Function	**HDBaseT Receiver**
Video	Input	(1) HDBT
	Input Connector	(1) RJ45
	Input Resolution	Up to 4Kx2K@60Hz 4:2:0
	Output	(1) HDMI
	Output Connector	(1) Type-A female HDMI
	Output Resolution	Up to 4Kx2K@60Hz 4:4:4 8bit, HDR10
Audio	Input	(1) ARC Audio In
	Input Connector	(1) Toslink Connector
	Output	(1) Audio Breakout
	Output Connector	(1) Toslink connector
	Format	Supports PCM, Dolby Digital, Dolby True-HD, DTS and DTS-HD.
	Frequency Response	20Hz – 20KHz, ±3dB
	Max Output Level	2.0Vrms ± 0.5dB. 2V = 16dB headroom above - 10dBV (316mV) nominal consumer line level signal
	THD+N	< 0.05% (-80dB), 20Hz - 20KHz bandwidth, 1KHz sine at 0dBFS level (or max level)
	SNR	> 85dB, 20Hz - 20 kHz bandwidth
	Crosstalk Isolation	> 70dB, 10KHz sine at 0dBFS level (or max level before clipping)
	L-R Level Deviation	< 0.3dB, 1KHz sine at 0dBFS level (or max level before clipping)
	Frequency Response Deviation	< ± 0.5dB 20Hz - 20KHz
	Output Load Capability	1KΩ and higher (Supports 10x paralleled 10KΩ loads)
	Stereo Channel Separation	>70dB@1KHz
General	Control Part	(1) ARC Mode button, (1) FW, (1) IR In, (1) IR Out, (1) RS232
	Control Connector	(1) ARC Mode button, (1) FW, (1) IR In, (1) IR Out, (1) RS232
	Bandwidth	18Gbps
	HDMI Standard	2
	HDCP Version	2.2, 1.4 compliant
	CEC	Pass-through
	Bidirectional PoC	Supported
	HDMI 2.0 Cable Length	4K@60Hz 4:4:4 ≤ 5m, 4K@60Hz 4:2:0 ≤ 15m, 1080p ≤ 20m
	Transmission Standard	HDBaseT
	Transmission Distance	1080p@60Hz ≤ 230 feet (70 meters), 4K@60Hz ≤ 131 feet (40 meters)
Physical	Product Dimension	(L) 40mm X (W) 19.5mm X (H) 84mm
	Product Weight	290g
Environmental	Operation Temperature	23°F - 131°F (-5°C - 55°C)
	Storage Temperature	-13°F - 158°F (-25°C - 70°C)
	Humidity	10% - 90% (Non-Condensing)

4KCHANGER-TC1

4-Port Multi Inputs Signal Converter

4K/60hz | HDMI | Mini DP | USB-C type | VGA | PoC

Hot SELLING

Front

Features

- Accessibility : Allow 4 different inputs: Type-C, VGA+3.5mm Audio, Mini DP & HDMI
- Easy to switch : Auto Detect Source and Select Button functions
- Great AV presentation : support resolution up to 4K@60Hz
- Convenience : provide USB-A & USB-C charging
- Long life-time usage: Design of lid cover keep ports away from dust and extend the device life-time
- Elegant Design : Well fit in conference room interior designs

Back

Specifications

	Function	4KCHANGER-TC1
Video	Input Ports	Video: Mini DisplayPort Jack x 1 HDMI Jack x 1 VGA HD-15 Pin Jack x 1 USB 3.1 C Jack x 1 Select: Push Button x 1 Ethernet: RJ45 Jack x 1 Power: Locking DC Jack x 1
	Output Ports	Video: HDMI Jack x 1 Charging: USB-A Jack x 1(BC 1.2) USB-C Jack x 1
	HDMI Version	HDMI 2.0
	HDCP Version	HDCP 2.2
	DisplayPort Version	DP 1.2
	USB Version	USB 2.0 / USB 3.1
	Resolution	Digital: Up to 4Kx2K / 60Hz Analog: Up to 1920 x 1080p / 60Hz
	Deep Color	Up to 12 bit
Audio	Audio	HDMI: Up to 8 Channels (7.1) Analog: 2.1 Channels Audio: 3.5mm Stereo Jack x1
General	Distance	28AWG-2M / 26AWG-5M
	Power	100~240V, 12VDC / 2.0 Amp.
	Consumption	24 Watt Max.
Physical	Product Dimension	(L) 7.2in X (W) 3.1in X (H) 3.6in (184mm X 80mm X 90mm)
	Product Weight	2.82 lb (1270g)
	Package Dimension	(L) 258mm X (W) 198mm X (H) 97mm
	Package Weight	1303g
Environmental	Operation Temperature	32°F - 104°F (0°C - 40°C)
	Storage Temperature	32°F - 176°F (0°C - 80°C)
	Humidity	20% - 90% (Non-Condensing)

4KCHANGER-TC2

4-Port Multi Inputs Signal Converter with 30M Extender

BEST SELLING

4K/60hz | HDMI | Mini DP | USB-C type | VGA | PoC

Front

Features

- Accessibility : Allow 4 different inputs: Type-C, VGA+3.5mm Audio, Mini DP & HDMI
- Easy to switch : Auto Detect Source and Select Button functions
- Great AV presentation : support resolution up to 4K@60Hz
- Convenience : provide USB-A & USB-C charging
- Signal Extension: for large room space, choice of adding 30M Ethernet cable (PoE) to delivery of power and data transmission distance.
- Long life-time usage : Design of lid cover keep ports away from dust and extend the device life-time.
- Elegant Design : Well fit in conference room interior designs

Back

Specifications

	Function	4KCHANGER-TC2
Video	Input Ports - Transmitter	Video: Mini DisplayPort Jack X 1 HDMI Jack X 1 VGA HD-15 Pin Jack X 1 USB 3.1 C Jack X 1 Select: Push Button X 1 Ethernet: RJ45 Jack X 1 Power: Locking DC Jack X 1
	Output Ports	Video: RJ45 Jack X 1 Charging: USB-A Jack X 1 (BC 1.2) USB-C Jack X 1
	Input Ports - Receiver	Video: RJ45 Jack X 1
	Output Ports	Video: HDMI Jack X 1
	HDMI Version	HDMI 2.0
	HDCP Version	HDCP 2.2
	DisplayPort Version	DP 1.2
	USB Version	USB 2.0 / USB 3.1
	Resolution	Digital: Up to 4Kx2K / 60Hz Analog: Up to 1920 x 1080p / 60Hz
	Deep Color	Up to 12 bit
Audio	Audio	HDMI: 2.1 Channels Analog: 2.1 Channels Audio: 3.5mm Stereo Jack X 1
General	Distance	Up to 30m / 100ft
	Power	Transmitter: 100~240V, 24VDC / 1.5Amp. Receiver: PoC
	Consumption	24 Watt Max.
Physical	Product Dimension	Transmitter: (L) 7.2in X (W) 3.1in X (H) 3.6in (184mm X 80mm X 90mm) Receiver: (L) 4.3in X (W) 2.17in X (H) 0.98in (110mm X 55mm X 24mm)
	Product Weight	Transmitter: 1270g Receiver: 125g
	Package Dimension	(L)258mm X (W)198mm X (H) 97mm
	Package Weight	1487g
Environmental	Operation Temperature	32°F - 104°F (0°C - 40°C)
	Storage Temperature	32°F - 176°F (0°C - 80°C)
	Humidity	20% - 90% (Non-Condensing)

TAP-AV-1003

4-Port Multi Inputs Signal Converter with Local Output & 60M Extender

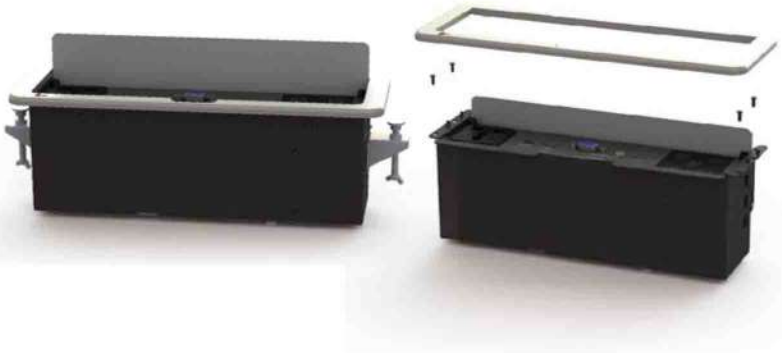
4K/60hz | HDMI | Mini DP | USB-C type | VGA | PoC

Features

- Allow 4 different source, Analog Audio & Video, VGA+3.5mm audio, mini DisplayPort, HDMI input and USB-C convert to HDMI via Cat6 cable connect to the Receiver.
- Support distance up to 60M.
- User is able to charge their devices through USB-A and USB-C(5V2A)
- Support Ethernet by-pass function.
- Input source auto-detect function
- 110V-240V Power Socket (Pass through)
- Resolution is up to 4K2K@60Hz.
- LED light indication with touch panel.
- One HDMI Local out

Front

Back



Specifications

	Function	TVP-AV-1003
Video	Input Ports - Transmitter	HDMI, M/DP, VGA+3.5mm, TYPE-C
	Output Ports	RJ45, HDMI (Local Out)
	Input Ports - Receiver	RJ45
	Output Ports	HDMI
	HDMI Max bandwidth	297MHz
	HDMI Max baud rate	6Gbps
	HDR Support	YES
	HDMI Resolution	480P/720P/1080P@24Hz/30Hz/50Hz/60Hz, up to 4K@60Hz Supports1080P@120Hz,/3D.
Audio	HDMI Audio format	Dolby True HD/DTS HD/Dolby Atoms/ Dolby Digital 5.1 / Dolby Digital Plus/ DTS 5.1/LPCM
General	Distance	4K /Cat-6@60M
	Power	AC 100~240V / DC24V 1.5A
	Consumption	TAP-AV-1003 ≤0.91mA@24V
	Output cable length	4K/AWG 30 ≤2m
	Transmission delay	<3ms
Physical	Product Dimension	Transmitter: (L) 10.5in X (W) 3.76in X (H) 3.76in (269mm X 95.5mm X 95.4mm) Receiver: (L) 4.3in X (W) 2.17in X (H) 0.98in (110mm X 55mm X 24mm)
	Product Weight	Transmitter: 1280g Receiver: 110g
Environmental	Operation Temperature	23°F – 104°F (-5°C - 40°C)
	Storage Temperature	5°F – 131°F (15°C - 55°C)
	Humidity	Operation: 5% - 85% RH (No Condensation) Storage: 5% - 95% RH (No Condensation)

TAP-AV-1004

4-Port Multi Inputs Signal Converter

4K/60hz | HDMI | Mini DP | USB-C type | VGA | Auto Detect | Switch Button

Features

- Accessibility : Allow 4 different inputs: Type-C, VGA+3.5mm Audio, Mini DP & HDMI.
- Easy to switch : Auto Detect Source and Select Button.
- Great AV presentation : Support resolution up to 4K@60Hz .
- Slim Design : Easy to fit in conference table and the outlet box .
- Flexible installation design : Place on the table, install in the table or on the wall.
- Advanced Technology : Use of signal conversion chip to convert all different signals to one HDMI output.

Front

Back

Specifications

	Function	TAP-AV-1004
Video	Input Ports	Mini DisplayPort Jack X 1 HDMI Jack X 1 VGA Jack X 1 Audio X 1 -3.5mm Stereo Jack USB 3.1 C Jack X 1 Select: Select button X 1
	Output Ports	HDMI Jack X1
	HDMI Version	HDMI 2.0
	HDCP Version	HDCP 2.2
	Resolution	HDMI Input: Up to 4Kx2K/60Hz Mini DisplayPort: Up to 4Kx2K /60Hz VGA: Up to 1920 x 1080p USB-C: Up to 4Kx2K/60Hz HDMI Output: Up to 4Kx2K/60Hz
	HDMI bandwidth	600MHz / 18.0Gbps
Audio	Audio	PCM 2 Channel at 48KHz
General	Power	24VDC / 1.5 Amp
	Consumption	36 Watt Max.
	Chassis Material	Metal
Physical	Product Dimension	(L)6.1in X (W)3.1in X (H)0.9in (155mm X 80mm X 24mm)
	Product Weight	360 g
Environmental	Operation Temperature	32°F - 104°F (0°C - 40°C)
	Storage Temperature	5°F - 131°F (-15°C - 55°C)
	Humidity	5 - 85% RH (Non-Condensing)

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CONNECTION TOGETHER

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Gaming & Graphics

- *Effortless Switch*
- *High Performance Splitter*
- *Efficient Extension*

SWT-UBC-1000

Portable Dual C to HDMI Switch with KVM

2USB-C Type | 2USB-A Type | KVM | Switch Button | USB 3 2 Gen 2 | Portable | 3 5mm Audio

Front

Back

Features

- Dual USB Type C to switch between devices (ie. laptops, or mobile devices).
- Supports KVM function to operate between USB type C devices.
- Supports one HDMI output to a display screen.
- Supports two USB 3.0 for USB peripheral devices such as keypoard, Mouse or USB flash drive.
- USB 3.2 Gen 2 compliant, which can support data transfer rate up to 10Gbps.
- Compatible with USB 3.1 Gen 1, USB 2.0 and USB 1.1.
- Supports 3.5mm Audio cable.
- Supports resolution 1080P and up to 4K/30hz (only for DP1.4).
- No additional power require, plug 'n play.
- Additional 9cm USB Type C cable located undermeath the main devices.
- Supports Apple ipad Pro.
- Supports Samsung DeX mode and Huawei desktop mode.
- Lightweight and easy to carry.

* For other mobile device, supports with DP Alt mode only in screen mirroring.

Specifications

	Function	SWT-USBC-1000
Video	Computer	2xUSB 3.2 Type-C Female
	Device	2xUSB 3.0 Type-A Female
	TYPE-C resolution	480P / 720P / 1080P@24Hz / 30Hz / 50Hz / 60Hz, up to 4K@30Hz Supports 1080P@120Hz / 3D etc.
	HDR Support	Yes
	Output cable length	HDMI: 4K / AWG 30-2m, USB 3.2-1m
General	Max Power Comsumption	7.5W
	Port Selection	Push Button
	LED's	Selected 2 (Green)
Physical	Product Dimension	77.95mm X 77.95mm X 23.8mm
	Product Weight	160g
Environmental	Operation Temperature	23˚F - 104˚F (-5˚C - 40˚C)
	Storage Temperature	5˚F - 131˚F (-15˚C - 55˚C)
	Humidity	10% - 90% (Non-Condensing)

SWT-USBC-1001

Portable Dual C to DisplayPort Switch with KVM

2USB-C Type | 2USB-A Type | KVM | Switch Button | USB 3.2 Gen 2 | Portable | 3.5mm Audio | PD 3.0

Front

Back

Features

- Dual USB Type C to switch between devices (ie. laptops, or mobile devices).
- Supports KVM function to operate between USB type C devices.
- Supports one HDMI output to a display screen.
- Supports two USB 3.0 for USB peripheral devices such as keypoard, Mouse or USB flash drive.
- USB 3.2 Gen 2 compliant, which can support data transfer rate up to 10Gbps.
- Compatible with USB 3.1 Gen 1, USB 2.0 and USB 1.1.
- Supports 3.5mm Audio cable.
- Supports resolution 1080P and up to 4K/30hz (only for DP1.4).
- No additional power require, plug 'n play.
- Additional 9cm USB Type C cable located undermeath the main devices.
- Supports Apple ipad Pro.
- Supports Samsung DeX mode and Huawei desktop mode.
- Lightweight and easy to carry.

* For other mobile device, supports with DP Alt mode only in screen mirroring.

Specifications

	Function	SWT-USBC-1001
Video	Computer	2xUSB 3.2 Type-C Female
	Device	2xUSB 2.0 Type-A Female
	TYPE-C resolution	480P / 720P / 1080P@24Hz / 30Hz / 50Hz / 60Hz, up to 4K@60Hz Supports 1080P@120Hz / 3D etc.
	HDR Support	Yes
	Output cable length	DiplayPort: 4K / AWG 28-2m, USB 3.2-1m
General	Max Power Comsumption	7.5W
	Port Selection	Push Button
	Type-C PD	100W
	LED's	Selected 2 (Green)
Physical	Product Dimension	77.95mm X 77.95mm X 23.8mm
	Product Weight	160g
Environmental	Operation Temperature	23°F - 104°F (-5°C - 40°C)
	Storage Temperature	5°F - 131°F (-15°C - 55°C)
	Humidity	10% - 90% (Non-Condensing)

SPP-USBC-1000

USB Type-C 1x2 HDMI Splitter 4K60 MST

Dual HDMI Ports | 4K/60hz | USB-C type | MST / SST | VESA DP V1.4 Compliant | Plug-n-Play | DP alt Mode Thunderbolt 3 port

Features

- Extend your system to 2 additional external displays via HDMI
- Support high resolution 4K Ultra HD HDMI video output
- Plug 'n Play, no additional power require.
- Support extended, mirror and video wall display modes
- Compatible with USB-C (Alt Mode) or Thunderbolt 3 port
- Support 1/2/4 lanes digital input, speed up to RBR (1.62-Gbps) / HBR (2.7-Gbps) / HBR2 (5.4-Gbps) / HBR3 (8.1-Gbps)
- VESA DisplayPort v1.4 compliant
- Support High Dynamic Range (HDR) transport
- Support Single Stream Transport (SST) or Multi-Stream Transport (MST) with Microsoft Windows system. Two output ports can be the same screen (SST) or extended screens (MST) through the Windows Setting configuration

It does not support MST mode with Apple MacOS, only mirror function.

Specifications

	Function	SPP-USBC-1000
Video	Input Ports	USB Type-C x 1
	Output Ports	HDMI x 2
Resolution	Input	Output
	DP1.4	HDMI1: 4K2K/60Hz HDMI2: 4K2K/60Hz
	DP1.2	HDMI1: 4K2K/60Hz HDMI2: X
		HDMI1: 4K2K/30Hz HDMI2: 4K2K/30Hz
General	Type-C Input	• Support 1/2/4 lanes digital input, speed up to RBR (1.62-Gbps) / HBR (2.7-Gbps) / HBR2 (5.4-Gbps) / HBR3 (8.1-Gbps) • VESA DisplayPort v1.4 compliant
	HDMI Output	• Support Single Stream Transport (SST) or Multi-Stream Transport (MST) • Support High Dynamic Range (HDR) transport • It does not support MST mode with Apple MacOS, only mirror function. • It does support SST and MST mode with Microsoft Windows system. Two output ports can be the same screen (SST) or extended screens (MST) through the Windows Setting configuration
Environmental	Operation Temperature	32°F - 158°F (0°C - 70°C)
	Storage Temperature	-22°F - 248°F (-30°C - 120°C)
	Humidity	Operation: 20% - 80%RH Storage: 20% - 90%RH

SPP-USBC-1001

USB Type-C 1x2 DisplayPort Splitter 4K60 MST

Dual DisplayPort Ports | 4K/60hz | USB-C type | MST / SST | VESA DP V1.4 Compliant | Plug-n-Play | DP alt Mode Thunderbolt 3 port

Features

- Extend your system to 2 additional external displays via DisplayPort.
- Support high resolution 4K Ultra HD DisplayPort video output
- Plug 'n Play, no additional power require.
- Support extended, mirror and video wall display modes
- Compatible with USB-C (Alt Mode) or Thunderbolt 3 port
- Support 1/2/4 lanes digital input, speed up to RBR (1.62-Gbps) / HBR (2.7-Gbps) / HBR2 (5.4-Gbps) / HBR3 (8.1-Gbps)
- VESA DisplayPort v1.4 compliant
- Support High Dynamic Range (HDR) transport
- Support Single Stream Transport (SST) or Multi-Stream Transport (MST) with Microsoft Windows system. Two output ports can be the same screen (SST) or extended screens (MST) through the Windows Setting configuration

It does not support MST mode with Apple MacOS, only mirror function.

Specifications

	Function	SPP-USBC-1001
Video	Input Ports	USB Type-C x 1
	Output Ports	DisplayPort x 2
Resolution	Input	Output
	DP1.4	DP1: 4K2K/60Hz DP2: 4K2K/60Hz
	DP1.2	DP1: 4K2K/60Hz DP2: X
		DP1: 4K2K/30Hz DP2: 4K2K/30Hz
General	Type-C Input	• Support 1/2/4 lanes digital input, speed up to RBR (1.62-Gbps) / HBR (2.7-Gbps) / HBR2 (5.4-Gbps) / HBR3 (8.1-Gbps) • VESA DisplayPort v1.4 compliant
	DisplayPort Output	• Support Single Stream Transport (SST) or Multi-Stream Transport (MST) • Support High Dynamic Range (HDR) transport • It does not support MST mode with Apple MacOS, only mirror function. • It does support SST and MST mode with Microsoft Windows system. Two output ports can be the same screen (SST) or extended screens (MST) through the Windows Setting configuration
Environmental	Operation Temperature	32°F - 158°F (0°C - 70°C)
	Storage Temperature	-22°F - 248°F (-30°C - 120°C)
	Humidity	Operation: 20% - 80%RH Storage: 20% - 90%RH

SPP-USBC-1002

USB Type-C 1x3 DisplayPort Splitter 4K60 MST

Triple DisplayPort Ports | 4K/60hz | USB-C type | MST / SST | VESA DP V1.4 Compliant | Plug-n-Play | DP alt Mode Thunderbolt 3 port

Features

- Extend your system to 3 additional external displays via DisplayPort
- Support high resolution 4K Ultra HD DisplayPort video output
- Plug 'n Play, no additional power require.
- Support extended, mirror and video wall display modes
- Compatible with USB-C (Alt Mode) or Thunderbolt 3 port
- Support 1/2/4 lanes digital input, speed up to RBR (1.62-Gbps) / HBR (2.7-Gbps) / HBR2 (5.4-Gbps) / HBR3 (8.1-Gbps)
- VESA DisplayPort v1.4 compliant
- Support High Dynamic Range (HDR) transport
- Support Single Stream Transport (SST) or Multi-Stream Transport (MST) with Microsoft Windows system. Two output ports can be the same screen (SST) or extended screens (MST) through the Windows Setting configuration

It does not support MST mode with Apple MacOS, only mirror function.

Specifications

	Function	SPP-USBC-1002
Video	Input Ports	USB Type-C x 1
	Output Ports	DisplayPort x 3
Resolution	Input	Output
	DP1.4	DP1: 4K2K/60Hz DP2: 4K2K/30Hz DP3: 4K2K/30Hz
		DP1: 4K2K/60Hz DP2: 4K2K/60Hz DP3: X
	DP1.2	DP1: 4K2K/30Hz DP2: 1080P DP3: 1080P
		DP1: 4K2K/30Hz DP2: 4K2K/30Hz DP3: X
		DP1: 4K2K/60Hz DP2: X DP3: X
General	Type-C Input	• Support 1/2/4 lanes digital input, speed up to RBR (1.62-Gbps) / HBR (2.7-Gbps) / HBR2 (5.4-Gbps) / HBR3 (8.1-Gbps) • VESA DisplayPort v1.4 compliant
	DisplayPort Output	• Support Single Stream Transport (SST) or Multi-Stream Transport (MST) • Support High Dynamic Range (HDR) transport • It does not support MST mode with Apple MacOS, only mirror function. • It does support SST and MST mode with Microsoft Windows system. Two output ports can be the same screen (SST) or extended screens (MST) through the Windows Setting configuration
Environmental	Operation Temperature	32°F - 158°F (0°C - 70°C)
	Storage Temperature	-22°F - 248°F (-30°C - 120°C)
	Humidity	Operation: 20% - 80%RH Storage: 20% - 90%RH

SPP-HDMI-1200

HDMI 1X2 splitter

HDMI 1.4 | HDCP 1.4 | 4K/30 | 3D

Specifications

Function	SPP-HDMI-1200
HDMI Input	1 Port
HDMI Output	2 Ports
HDCP Compliant	Yes
Resolution	4K/30hz
Deep Color	48bit
Bandwidth	Up to 340Mhz
Power Consumption	2.5 W
Power Adapter	DC 5V/1A
Net Weight	130g
Dimension	100mm x48mm x25mm

Features

- Fully HDMI 1.4 specification compliant..
- Supports high resolutions: 480P up to 4K@30/hz.
- Supports 30/36 dark, extended color space support including: SYCC601, Adobe RGB, Adobe YCC601
- Blu-ray DVD 24/50/60fs and HD-DVD xvYCC.
- Audio formats DTS-HD/Dolby-TrueHD/LPCM7.1/DTS/Dilby-AC3 and DSD.
- Supports 3D.
- Led indicates signal and power mode.
- Plug and play.

SPP-HDMI-1201

HDMI 1X4 splitter

HDMI 1.4 | HDCP 1.4 | 4K/30 | 3D

Specifications

Function	SPP-HDMI-1201
HDMI Input	1 Port
HDMI Output	4 Ports
HDCP Compliant	Yes
Resolution	4K/30hz
Deep Color	48bit
Bandwidth	Up to 340Mhz
Power Consumption	3.5 W
Power Adapter	DC 5V/1A
Net Weight	390g
Dimension	150mm x64mm x25mm

Features

- Fully HDMI 1.4 specification compliant..
- Supports high resolutions: 480P up to 4K@30/hz.
- Supports 30/36 dark, extended color space support including: SYCC601, Adobe RGB, Adobe YCC601
- Blu-ray DVD 24/50/60fs and HD-DVD xvYCC.
- Audio formats DTS-HD/Dolby-TrueHD/LPCM7.1/DTS/Dilby-AC3 and DSD.
- Supports 3D.
- Led indicates signal and power mode.
- Plug and play.

EXP-USB-3000

USB 2.0 Cat 5 Extender 1x1

USB 2.0 | Win, Mac OS Support | Bus-Powered | 50M

Specifications

Function	EXP-USB-3000	
Units	Local Unit	Remote Unit
Upstream Port	USB Type A Male X 1	USB Type A Female X 1
Downstream Port	RJ45	
Power Mode	Bus-powered	Self-powered, DC 5V 2A
USB Specification	USB 2.0 / 1.1 High (480Mb/s) / Full (12Mb/s) / Low Speed (1.5Mb/s)	
Interconnect Cable	Standard Category 5/5e/6 or higher Network cable	
Max Cable Length	50M (164.04ft)	
Operation Temperature	32°F - 122°F (0°C - 50°C)	
Storage Temperature	-4°F - 158°F (-20°C - 70°C)	
Humidity	0 - 80%RH (Non-Condensing)	

Features

- Support for any High-Speed (480Mb/s), full-speed (12 Mb/s) or low-speed (1.5 Mb/s) USB devices
- Allows a USB device to have its cable length extended up to 50m
- Support suspend/resume detection
- Support Hot Plug
- Low cost in comparison with extension of cable using Hubs or other USB extender
- No software driver required
- Operating Temperature: 0℃ to 55℃

EXP-USB-3001

USB 2.0 Cat 5 Extender 1x4

USB 2.0 | Win, Mac OS Support | Bus-Powered | 50M

Specifications

Function	EXP-USB-3001	
Units	Transmitter (TX)	Receiver (RX)
Upstream Port	USB Type B Male X 1	USB Type A Female X 4
Downstream Port	RJ45 X 1	
Power Mode	Bus-powered	Self-powered, DC 5V, 13W
USB Specification	USB 2.0 / 1.1 High (480Mb/s) / Full (12Mb/s) / Low Speed (1.5Mb/s)	
Interconnect Cable	Standard Category 5/5e/6 or higher Network cable	
Max Cable Length	50M (164.04ft)	
Product Dimension	(L) 95.3mm X (W) 68mm X (H) 23.3mm	(L) 95.3mm X (W) 68mm X (H) 23.3mm
Product Weight	67g	72g
Operation Temperature	32°F - 122°F (0°C - 50°C)	
Storage Temperature	-4°F - 158°F (-20°C - 70°C)	
Humidity	0 - 80%RH (Non-Condensing)	

Features

- Support for any High-Speed (480Mb/s), full-speed (12 Mb/s) or low-speed (1.5 Mb/s) USB devices
- Allows up to 4 USB devices to have its cable length extended up to 50m
- Support suspend/resume detection
- Support Hot Plug
- Low cost in comparison with extension of cable using Hubs or other USB extender
- No software driver required
- Operating Temperature：0℃ to 50℃

ACC-HDMI-AOC-30/50/100

18G HDMI Active Optical (AOC) High Speed Cable

4K ULTRA HD | 30M | 50M | 100M

18 Gbps | HDCP | HDMI 2.0 | EDID | EMI/RFI Resistance

Specifications

Function	ACC-HDMI-AOC 4K	
Units	Transmitter(Source)	Receiver(Sink)
HDCP & DDC	HDCP 2.2 Fully Support bi-directional EDID and HDCP communication	
Video Bandwidth	6 Gbps/x3Channel (max)+Clock.	
Supported Resolution & Distance	PC: WUXGA 1920x1200 up to 100 meters, HDTV: 480p, 720p, 1080i and 1080p deep color, 4K(60P), 3DFull HD 1920x1080 up to 100 meters	
O/E Converter	4 channel 850 nm VCSEL array	4CH GaAs PD array
Connector Type	HDMI type A	
Cable Type	Hybrid type with OM3 fiber and copper wire	
Differential Input	100 ohm (typ)	
Power Consumption	250mW (max)	
Power Supply	Non external power required	
Cable Length	30m / 50m / 100m (with+/-30m tolerance)	
Cable Outer Diameter	4.5mm	
Jacket Outer Material	PVC/TPU (Custom)	
Cable Weight	30M: 0.8kgs 50M: 1.3kgs 100M: 2.5kgs	
Cable Color	Black	
Operation Temperature	32°F - 122°F (0°C - 50°C)	
Storage Temperature	-40°F - 158°F (-40°C - 70°C)	
Humidity	10 - 80%RH (Non-Condensing)	

Features

- Up to 100m Maximum Length
- Low Power Consumption: 250mW (max)
- Bandwidth up to 18Gbps (6Gbps per channel)
- Dynamic synchronization of video and audio streams
- Supports premium video quality up to 4KX2K/60Hz and 3D
- Compatible with HDMI 2.0 standard.
- Support HDCP
- Self-detecting function for EDID information
- No loss of signal delivering crystal clear digital images instantly.
- Compatible with all devices that support HDMI
- No external power supply is required.

EXP-AOC-2004/2005/2006/2007

48Gbps HDMI Active Optical (AOC) High Speed Cable

8K | 25M | 35M | 50M | 100M

48 Gbps | HDCP 2.2 | HDMI 2.1 | EDID | eARC | Fiber Copper

Specifications

Function	EXP-AOC 2.1 (8K)	
Units	Transmitter(Source)	Receiver(Sink)
HDCP & DDC	HDCP 2.2 Fully Support bi-directional EDID and HDCP communication	
Video Bandwidth	12 Gbps/x 4Channel	
Supported Resolution & Distance	480p, 720p, 1080i and 1080p deep color, 4Kp50/60/100/120 and 8Kp50/60 up to 100m	
O/E Converter	4 channel 850 nm VCSEL array	4 CH GaAs PD array
Connector Type	HDMI type A	
Cable Type	Hybrid type with OM3 fiber and copper wire	
Differential Input	100 ohm (typ)	
Power Consumption	250mW (max)	
Power Supply	Non external power required	
Cable Length	25m/35m/50m/100m (with +/-30cm tolerance)	
Cable Outer Diameter	4.5mm	
Jacket Outer Material	PVC/TPU (Custom)	
Cable Weight TBD	Cable Weight TBD	
Cable Color TBD	Cable Color TBD	
Operation Temperature	32°F - 122°F (0°C - 50°C)	
Storage Temperature	-40°F - 158°F (-40°C - 70°C)	
Humidity	10 - 80%RH (Non-Condensing)	

Features

- Up to 100m Maximum Length. (Custom Length Available)
- Plug and Play
- Compatible with HDMI 2. 1 standard.
- Backward compatible with HDMI2.0 /HDMI1. 4
- Support HDCP 2.2
- Support (HDR) Dynamic HDR formats is supported.
- Support (VRR) Variable refresh rate
- Support (QMS) Quick media switching
- Support (QFT) Quick frame transport
- Support (ALLM) Auto low latency Mode
- Support (DSC) Display Stream Compression
- Support 48 Gbps Bandwidth with 4Kp 50/60/100/ 120 and 8Kp50/ 60
- Self-detecting function for EDID information
- Support eARC(Enhanced audio return channel)
- No loss of signal
- Hybrid optical cable with fiber and copper wire

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CONNECTION TOGETHER

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