Nteck systems

PRODUCT CATALOG

www.ntecksystems.com

Nteck systems

ABOUT US

Nteck Systems is a your reliable partner for AV-IT infrastructure Consulting & Distribution

Nteck Systems is formed with passion and works along with Industry professionals like Designers, Clients, Consultants & AV System Integrators to DESIGN and help to DEPLOY UC, AV-IT & Lighting Control infrastructure solutions to deliver a cost-effective, agile and scalable solution to meet the needs of today, and tomorrow.

High-performance Connectivity solutions include UC , AV over IP Switching, Video wall applications, KVM Switches and Lighting Control products. Coupled with AV Control solutions, customers can harness the full power of their systems and support many different services and applications at scale.

WE ARE DIFFERENT

Key Challenges

Businesses of all sizes face one common challenge - that of robust, scalable and cost-effective AV-IT & Lighting Control Infrastructure. As infrastructure grows, complexities increase. This, in turn, poses new challenges which need to be overcome. Designing & Consulting a world class usable AV-IT infrastructure is a nightmare, best left to specialists.

Nteck Systems team can design and help to deploy AV-IT & Lighting Control infrastructure solutions to deliver a cost-effective, agile, and scalable solution to meet the needs of today, and tomorrow.

Our Prime focus would remain in:

- Customer service and support in offering the highest quality UC, AV, and IT Products solutions to the market.
- Deliver industry-leading connectivity products that are designed to Provide a Mix platform, anytime-anywhere, fully scalable & secure AV Deployments
- Deliver superior performance and sophisticated intelligence at scale
- Deliver Connectivity solutions and KVM solutions and services that provide a competitive market advantage.

Nteck Systems has the support from leading Manufacturers & the ability to create a competitive advantage for businesses, delivering results by radically improving the remote management, security, performance, and economy of UC, AV over IP Systems.

INOGENI

About us

INOGENI designs and manufactures products for your video communication needs and enhances your video conferencing by offering the possibility to use multiple cameras and video sources.

Every Inogeni products are sold throughout the world and are proudly designed and manufactured in Canada.

Our technical support team makes the difference and will be there to assist you.

WORKS WITH zoom skype GoToMeeting Webex Meetings BlueJeans Vidyo vMix LIVE YouTube Wirecast Google Meet livestream AND MORE

Logos are trademarks of their respective owners.

All INOGENI USB converters, video selector and video mixers have:

- Full metal robust enclosure for all installations
- Reliable design for commercial use
- Works with all soft codecs, video-conferencing and streaming apps
- Designed, manufactured and supported by our engineers in Canada
- Digital Fluid technology - Internal frame buffers maximize frame rate for smooth video
- Automatic scaling and frame rate conversion
- Customizable video processing functions
- Supports multiple devices on the same PC
- Compatible with Windows, Mac OSX and Linux

INOGENI

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4KXPLUS

NEW / IN STOCK NOW!

4KXPLUS - HDMI TO USB 3.0

Enabling BYOM on Cisco Webex Room Series

Side View

webex by cisco Compatible

Proven technology device that captures uncompressed HDMI video and audio from Webex Devices, which then converts it to USB 3.0 for a third-party laptop.

ENABLING BYOM ON CISCO WEBEX ROOM SERIES

HDMI TO USB 3.0 CAPTURE DEVICE

4KXPLUS

The most cost-effective and user-friendly solution for interoperability

- Direct integration of the Webex Devices equipment (cameras and microphones).
- Solves the interoperability issues.
- Optimizes your assets and the license fees for CloudVideo Interop (CVI) service and user management.
- The external power supply on 4KXPLUS, maintains the connection with the 2nd display, with or without laptop.
- No driver required.
- Compatible with Windows, macOS and Linux on laptop.
- Easily programed macros in your Webex Room Device. Native Webex implementation available in Q2 CY2022.
- Intuitive interface on Webex Touch 10 or Webex Navigator.

Webex Device Support

Macro and native	Macro only
• Webex Room Kit	• Cisco MX700
• Webex Room Kit Plus	• Cisco MX800
• Webex Room Kit Pro	• Cisco SX80
• Webex Room 55	

4KX-PLUS
For **multiple** displays

4K2USB3
For **one** display

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TOGGLE- USB 3.0 SWITCHER

EXTEND YOUR MEETING ROOM POSSIBILITIES!

Share your room USB devices with your laptop!

- Your perfect partner for your BYOD or BYOM setup
- Three USB 3.0 device ports
- Switch between two USB 3.0 hosts
- Can automatically switch to the new host
- Compatible to USB 2.0
- Automatic, manual or remote control
- RS-232 control
- GPI contact-closure control
- Rugged full-metal enclosure
- External power supply can provide power to the USB 3.0 devices
- Two USB 3.0 cables is included
- TAA compliant
- Designed and made in CANADA

LEARN MORE

See our complete line of USB converters and multi-camera mixers

4KXUSB3

4K UHD to USB 3.0 with HDMI™ loop output for preview and VISCA port to control PTZ camera

- Simplify installation with HDMI loop output
- Integrated VISCA output, compatible to ZOOM
- Analog audio IO for added flexibility
- Supports Ultra HD, 4K at 30 fps and 1080p plus all common video formats at 60 fps
- HDMI audio support - embedded audio in the HDMI signals are extracted and output as two-channel LPCM
- Automatic scaling and frame rate conversion (UHD up-scaling not supported)
- Image controls: Brightness, contrast, saturation and hue settings

4K2USB3

4K UHD to USB 3.0

- Rugged and reliable design for trouble-free operation
- Zoom Technology Partner approved device
- Supports Ultra HD, 4K at 30 fps and 1080p plus all common video formats at 60 fps
- HDMI audio supported
- Hardware-based color space and sampling conversion
- Automatic scaling and frame rate conversion (UHD up-scaling not supported)
- Image controls: Brightness, contrast, saturation and hue settings

HD2USB3

HDMI/1080P to USB 3.0

- Same as 4K2USB3 but highest resolution limited to 1080p60
- Field upgradable to 4K at minimal fee ($95)

DVIUSB

HDMI/DVI to USB 3.0

- Rugged DVI connector supports HDMI sources with audio
- Supports 1080p, 1080i, 720p, 480p, and 576p video formats at up to 60 fps
- Supports 1920x1200, 1280x1024, 1280x960, 1024x768, 800x600, 640x480 graphic formats
- HDMI audio support

SDI2USB3

SDI to USB 3.0

- Active loop output connector
  - Supports 1080p, 1080i, 720p, 480p, 576p, NTSC and PAL at up to 60 fps
  - All SD and HD resolution signals are converted to 4:2:2 8-bit color space over USB 3.0
- Embedded audio extraction

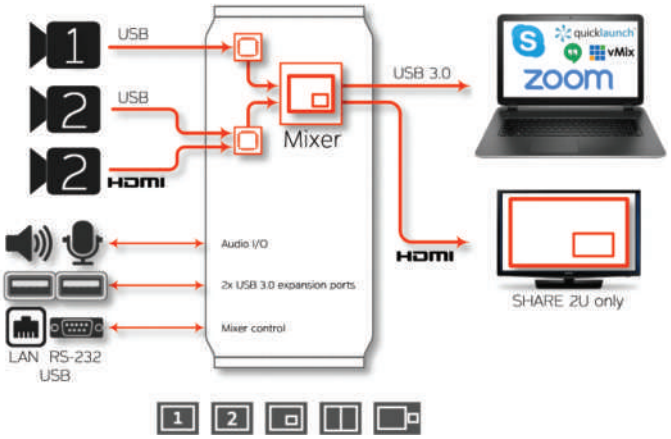
VGA2USB3

VGA to USB 3.0

- VGA/Component/CBVS and audio capture to USB 3.0
- Direct Show Compatible
- Supports 1080p, 720p, 480p, 576p, 1600x1200, 1920x1200, 1280x1024, 1280x960, 1024x768, 800x600, 640x480, NTSC, PAL and more at up to 60 fps
- Line level stereo audio support

SHARE2U

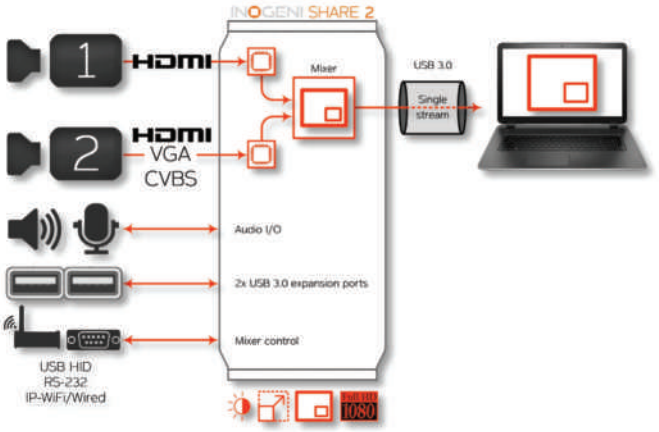
Dual USB Camera Mixer to USB3



- Better collaboration with two cameras
- Select or mix two sources into a single USB 3.0 output
- 2x USB 2.0 and 1x HDMI camera inputs
- Simultaneous HDMI and USB 3.0 outputs
- Compatible with all USB-based conferencing applications
- No drivers, no installation
- Versatile control: keypad, LAN, RS-232, USB

SHARE2

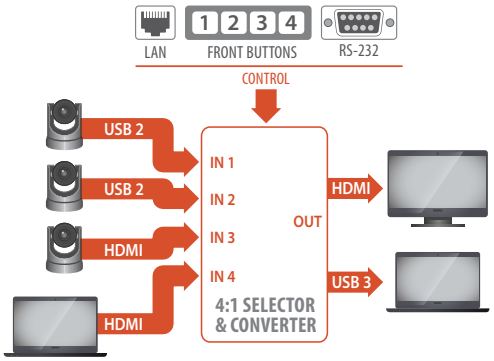
Dual HDMI/DVI/VGA Video Mixer to USB3



- Better collaboration with two cameras
- Select or mix two sources into a single USB 3.0 output
- 2x HDMI and 1xVGA inputs
- Compatible with all USB-based conferencing applications
- No drivers, no installation
- Versatile control: keypad, LAN, RS-232, USB

CAM300

Multi video selector to USB3



- Select between 4 sources
- 2 x USB 2.0 and 2 x HDMI sources
- Simultaneous HDMI and USB 3.0 outputs
- Control with push-buttons, LAN or RS-232
- No drivers, no installation

U-CAM

USB 3.0 o HDMI Converter Device

Convert and connect your USB camera and audio to an HDMI input - CODEC, matrix or display

- Capture video & audio from USB 3.0 and 2.0 cameras
- IP & RS-232 control
- Field upgradable
- Compatible with Windows, MacOS and Linux laptops
- Video input capabilities - Up to 4K30 uncompressed with USB 2.0 / 3.0 (MJPEG, I420/YV12 and NV12)
- Video output capabilities - HDMI 1.4 up to 4K30 & USB 2.0 720p30 MJPEG

INOGENI

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CAM230

3 VIDEO SOURCES /USB & HDMI SWITCHER

NEW / **FAST & SEAMLESS** VIDEO SWITCHER

ACHIEVE MEETING EQUITY

& STELLAR EXPERIENCES EVERY TIME

Introducing INOGENI's CAM230: The most cost-effective, versatile, and easy-to-use USB & HDMI multi-camera switcher that improves equity in virtual meetings.

- 2 x USBs and 1 x HDMI video sources for fast and seamless video camera switching in a single video flow
- Change camera and video configurations without interrupting the presentation
- Ideal for remote education, collaborative meetings, webinars, and live streaming

INOGENI

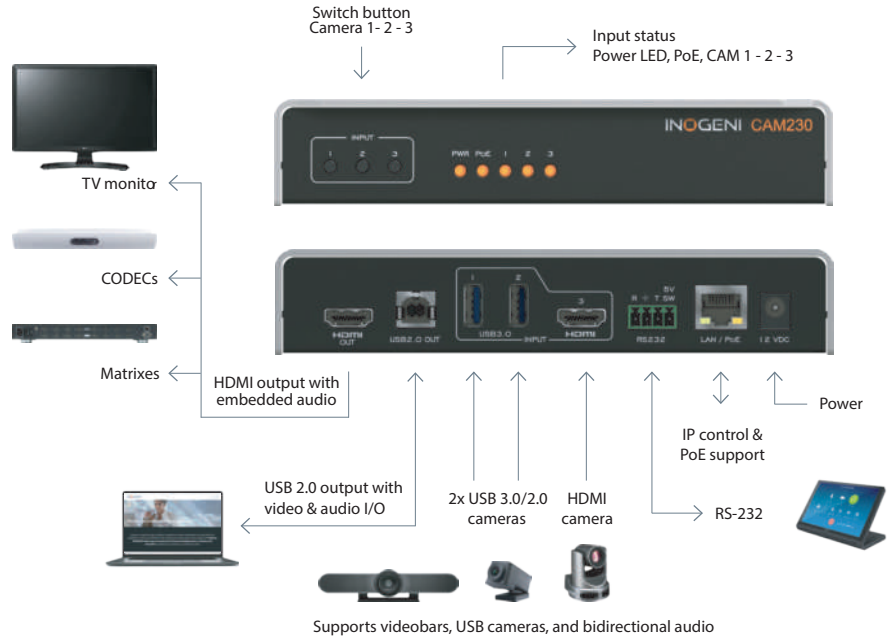
Nteck systems

CAM230

3 VIDEO SOURCES/ USB & HDMI SWITCHER

Enjoy a smooth multi-camera experience

with the ultimate solution for seamlessly switching between 2 USB and 1 HDMI cameras.



Multi-camera switcher for

CODECs / Matrixes / Monitors / Laptops / PC rooms

webex | Microsoft Teams | zoomrooms | poly | Lenovo

Plug and play without any drivers

Fully compatible with videoconferencing systems and all USB and HDMI cameras, including professional-caliber equipment, such as Vaddio, Huddly, HuddleCamHD, Aver, Jabra, Logitech, Marshall cameras, and web cameras.

Ensure a dynamic presentation with effortless camera switching

The most cost-effective, versatile, and ease-to-use camera switcher

INPUT (3 video sources):
- 2 x USBs (3.0/2.0 or MJPEG)
- 1 x HDMI (1080p60)

OUTPUT switch into a single interface:
- HDMI 2.0 output with audio for CODECs, matrixes and monitors
- USB 2.0 MJPEG – 1080p30 for laptops, PC rooms or CODECs

SWITCHING CONTROL:
- RS-232 and IP control
- Easy push button

SUPPORT:
- Bidirectional audio for videobars, such as Cisco, Poly, Logitech and Bose
- PoE LAN
- Multiple mounting options
- Visual LED status
- Designed and manufactured in Canada
- TAA-compliant

HT-GEMINI

4K 6 Multiformat Input Extender Switch with USB Extension for Softcodec

HT-GEMINI-RX

HT-GEMINI-TX

PRODUCT OVERVIEW

This product is a 4K 6 Multi-format Inputs Extender Switch with USB Extension for a soft codec, which provides AV switching, USB, HDMI, DP, VGA, and USB-C extension, plus system control for meeting spaces using PC-based conferencing codecs such as Microsoft Skype, Webex by Cisco and Citrix GoTo Meeting. The kit offers six video inputs shared between both devices for HDMI, Display Port, VGA plus analog audio in and USB-C video signals. To simplify conference room device management, the kit provides four USB Type-B connectors for host computers. Six built-in USB hubs, three on the transmitter and three on the receiver, allow for numerous Human Interface Devices (HID) as well as USB cameras and microphones.

The kit is compatible with Ultra High-Definition source up to 4K/UHD@60 Hz with 4:2:0 color subsampling. All audio, video, data, control, USB, and Ethernet transmission between the two devices is carried over a single, Ethernet-enabled HDBaseT link up to 100m/330ft.

It simplifies classroom and small office system integration, for installation beneath conference tables and in lecterns, to provide localized presentation switching support

FEATURES

- HDMI 2.0 with 4k@60Hz (Chroma sub-sampling 4:2:0 8-bit only) and HDCP 2.2 compliance, VGA input up to 1920x1200@60Hz.
- Provides a variety of interfaces including USB-C to simplify meeting room devices management.
- Inputs connected to either the transmitter or the receiver can be displayed on the HDMI out on either the transmitter or the receiver or both simultaneously.
- Automatically detects active inputs when sources are connected.
- Supports USB hosts such as Desktop and Laptop, and peripheral USB devices such as keyboard, mouse, microphone, speaker, camera, and whiteboard for a conference system.
- Ethernet can be connected into either the receiver or the transmitter, providing LAN accessibility for users.
- Allows connected displays to be controlled via CEC commands or front panel buttons.
- Relay commands can be triggered to control relay devices such as projection screens.
- RS232 pass through; IR pass through from TX to RX.
- API Control via LAN interface and RS232-C.
- De-embedded audio can be routed out of the Receiver to an external amplifier.

HALL TECHNOLOGIES

Nteck systems

TRANSMITTER:

Technical	
Input / Output Ports	1 x VGA IN, 1 x Audio IN (followed with VGA IN),1 x HDMI IN, 1 x DP IN, 1 x USB-C IN, 1 x HDBT OUT, 1 x HDMI OUT, 2 x LAN, 1 x RS232-P, 1 x RS232-C, 2 x USB HOST, 3 x USB DEVICE, 1 x IR IN, 1 x DC 12V IN
Input Signal Type	HDMI 2.0 with 4k@60Hz (Chroma sub-sampling 4:2:0 8-bit only) DP/USB-C: DP 1.2
Output Signal Type	HDMI2.0 with 4k@60Hz (Chroma sub-sampling 4:2:0 8-bit only); HDBT2.0
Resolution Supported	HDMI: 800x600@60Hz, 1024x768@60Hz, 1280x768@60Hz, 1280x800@60Hz,1280x960@60Hz, 1280x1024@60Hz, 1360x768@60Hz, 1366x768@60Hz, 1440x900@60Hz, 1400 x 1050@60Hz, 1600x900@60Hz, 1600x1200@60Hz, 1680x1050@60Hz, 1920x1200@60Hz, 480p@60Hz, 576p@50Hz, 720p@50/60Hz, 1080p@24/25/30/50/60Hz, 1080i@50/60Hz, 4096 x 2160@24/25/30/50/60Hz, 3840 x 2160@24/25/30/50/60Hz DP/USB-C: 800x600@60 Hz, 1024x768@60Hz, 1280x768@60Hz, 1280x800@60Hz, 1280x960@60Hz, 1280x1024@60Hz, 1360x768@60Hz, 1366x768@60Hz, 1440 x900@60Hz, 1600 x900@60Hz, 1600 x1200@60Hz, 1680 x1050@60Hz, 1920 x1080@60Hz, 1920 x1200@60Hz, 1280x720P@50Hz, 1280x720P@60Hz, 1920x1080P@50Hz, 1920x1080P@60Hz, 3840x2160@50Hz, 3840x2160@60Hz, 4096x2160@50Hz, 4096x2160@60Hz VGA: 640 x 480@60Hz, 800 x 600@60Hz, 1024 x 768@60Hz, 1280 x 720@60Hz, 1280 x 768@60Hz,1280 x 800@60Hz, 1280 x 1024@60Hz,1360 x 768@60Hz, 1366 x 768@60Hz, 1400 x 1050@60Hz, 1440 x 900@60Hz, 1600 x 1200@60Hz, 1680 x 1050@60Hz, 1920 x 1080@60Hz, 1920 x 1200@60Hz NOTE: 4096x2160/3840x2160@50Hz/60Hz is based on chroma sub-sampling 4:2:0 8-bit only
Maximum Pixel Clock	297MHz
Audio Format Supported	HDMI: Fully supports audio formats in HDMI 2.0 specification, including PCM 2.0/5.1/7.1, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio and DTS:X AUDIO IN: PCM 2.0

General	
Operating Temperature	0°C to 45°C (32°F to 113°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Humidity	10% to 90%, non-condensing
Surge Protection	Voltage: ±1 kV
ESD Protection	Human-body Model: ±8kV (Air-gap discharge) ±4kV (Contact discharge)
Power Supply	DC12V 2A
Power Consumption (Max)	14.5W
Device Dimension (W x H x D)	220mm x 42mm x 150mm / 8.66" x 1.65" x 5.91"
Product Weight	0.97kg / 2.14lb

RECEIVER:

Technical	
Input/Output Ports	1 x HDBT IN, 2 x HDMI IN, 1 x HDMI OUT, 1 x IR OUT, 1 x RS232-P, 1 x RS232-C, 2 x LAN, 3 x USB DEVICE, 2 x USB HOST, 1 x SCREEN UP, 1 x SCREEN DOWN, 1 x DC 12V IN
Input Signal Type	HDMI2.0 with 4k@60Hz (Chroma sub-sampling 4:2:0 8-bit only); HDBT2.0
Output Signal Type	HDMI2.0
Resolution Support	800x600@60Hz, 1024x768@60Hz, 1280x768@60Hz, 1280x800@60Hz, 1280x960@60Hz, 1280x1024@60Hz, 1360x768@60Hz, 1366x768@60Hz, 1440x900@60Hz, 1400 x 1050@60Hz, 1600x900@60Hz, 1600x1200@60Hz, 1680x1050@60Hz, 1920x1200@60Hz, 480p@60Hz, 576p@50Hz, 720p@50/60Hz, 1080p@24/25/30/50/60Hz, 1080i@50/60Hz, 4096 x 2160@24/25/30/50/60Hz, 3840 x 2160@24/25/30/50/60Hz NOTE: 4096x2160/3840x2160@50Hz/60Hz is based on chroma sub-sampling 4:2:0 8-bit only
Maximum Pixel Clock	297MHz
Audio Format Supported	Fully supports audio formats in HDMI 2.0 specification, including PCM 2.0/5.1/7.1, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio and DTS:X

General	
Operating Temperature	0°C to 45°C (32°F to 113°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Humidity	10% to 90%, non-condensing
Surge Protection	Voltage: ±1 kV
ESD Protection	Human-body Model: ±8kV (Air-gap discharge) ±4kV (Contact discharge)
Power Supply	DC12V 2A
Power Consumption (Maximum)	16.5W

General	
Device Dimension (W x H x D)	220mm x 42mm x 150mm / 8.66" x 1.65" x 5.91"
Product Weight	0.95kg/2.09lb

Transmission Distance

Note: T568B straight-through Category cable is recommended.

Cable Type	Range	Supported Video
Cat 5e	100m/330ft	Up to 1080p 60Hz 36bpp
	90m/300ft	1080p 60Hz 48bpp 1080p 60Hz 3D
Cat 6/6a/7	100m/330ft	4K2K/30Hz/4:4:4 24bpp 4K2K/60Hz/4:2:0 24bpp

Scan for more information, including product manual, specifications, and downloads

HT-CALIPSO

All-in-one meeting collaboration with ultra-wide angle 4KAI camera, microphone and speaker features, along with wired and wireless screen casting capability.

HT-MERCURY

PRODUCT OVERVIEW

The HT-CALIPSO is an all-in-one meeting collaboration video bar with an ultra-wide angle 4K AI camera, microphone and speaker features and wireless screen presentation capability. It includes a built-in Wi-Fi module and offers multiple connection options, including AirPlay, Miracast, Smart View, HT-Voyager and physical HDMI and USB-C ports. Connecting to the HT-CALIPSO using any of these methods can project the video from the connected device to the connected display.
The HT-MERCURY includes multiple features such as camera auto tracking, speaker tracking, presenter tracking, Guide Screen, and OSD display. It is ideal for applications in huddle, small, and medium-sized rooms.

FEATURES

- Smart video conference collaboration bar with an all-in-one solution of video, speakers, microphone, and camera.
- Wired screen presentation via USB-C (with DisplayPort) and HDMI.
- Wireless BYOD via AirPlay, Miracast, and HT-Voyager (sold separately).
- Wide angle 4K video camera with 120° FOV.
- 4 x MEMS (micro-electromechanical system) digital microphone arrays with a range of 16~26 feet (5~8 meters) and an angle of 180°.
- 2 x 5W Stereo full range speakers with passive radiator bass enhancement.
- Includes AEC (Acoustic Echo Cancellation), AGC (Automatic Gain Control), ANS (Automatic Noise Suppression) and full duplex mode communication to make all participants feel like they are in the same room.
- Built-in AI technology on the camera allowing for Auto Framing, Speaker Tracking, and Presenter Tracking.
- Simple plug and play UCC with excellent compatibility for OS and UC applications (Zoom, Teams, Webex, etc.)
- Provides flexible control options using Web GUI, the included Remote Controller, and using API commands.
- Built-in Wi-Fi for wireless video casting.

AUDIO AND VIDEO	
Interface	1 x HDMI in, 1 x HDMI out, 1 x USB C, 1 x USBB, 1 x USB-A, 1 x Mic, 1 x RJ45, 1 x DC
Video Resolutions	3840x2160@30Hz 8bit 4:4:4 (Max)
Output Video Encoding	MJPEG/YUY2/H.264/H.265 | UVC 1.1

CAMERA AND SENSOR	
Lens	Fixed Focus
Sensor	1/2.5'', CMOS, Effective Pixel: 8.0M
White Balance	Auto
Backlight Compensation	Auto
Digital Noise Reduction	2D, 3D Digital noise reduction supported
Viewing Angle	FOV: 120°
ePTZ	Supported | 5 x Digital Zoom
HDR	Supported
Tracking Mode	Auto Framing / Speaker Tracking / Presenter Tracking

SPEAKERPHONE	
Microphone	4 x Linear microphone arrays with echo cancellation Pick-up Range: 5m/16.4ft~8m/26.2ft
Speaker	2 x 5 W

COMMUNICATION & CONTROL	
HDMI	HDMI 2.0, HDCP 2.2
USB	USB-C: USB 3.0 host (60W max charging) USB-A: USB 3.0 device USB B: USB 3.0 host
USB Protocol	UAC, UVC, USB HID
Ethernet	1 x RJ-45
WLAN	IEEE 802.11 a/b/g/n/ac
Control Method	Web UI, Bluetooth Remote Controller

GENERAL	
Operating Temperature	0°C ~ 40°C (32°F to 104°F), 10% to 90%, non condensing
Storage Temperature	-20°C ~ 60°C (4°F to 140°F), 10% to 90%, non condensing
MTBF	＞30000h
Power Supply	DC 24V 5A
Power Consumption (Max)	100W
Dimension (Width x Height x Depth)	700mm x 126.83 mm x 90mm/27.56” x 4.99” x 3.54” (with Bracket)
Net Weight	2.42kgs/5.324lbs (with Bracket)
Gross Weight	6.22kgs/13.68lbs

Scan for more information, including product manual, specifications, and downloads

HT-ODYSSEY

Conference Speakerphone with Video Presentation and BYOD

HT-ODYSSEY

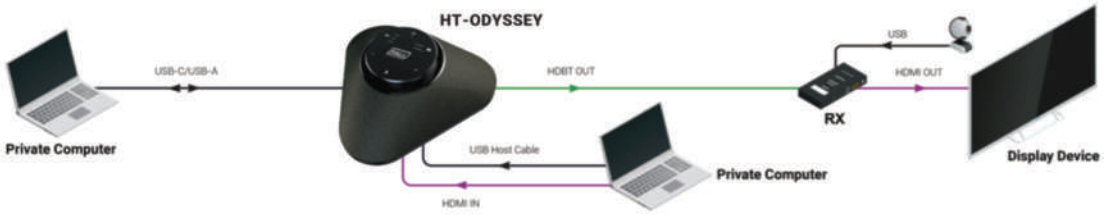
PRODUCT OVERVIEW

This product is an all-in-one BYOD Speakerphone with a presentation switch, wireless casting and an HDBT out port. It allows everyone to hear the sound in the meeting room during conference calls and to show a presentation from a laptop, smartphone, or tablet with USB Type-C port or HDMI in. The USB-C port also provides 60W of charging power. When connected through the Type-C port/HDMI In port, HDMI out/ HDBT out can support resolutions up to 4K@30Hz, while through USB 3.0 Display-Link technology, it can support resolutions up to 1080P@60Hz. With a 360-degree 4x Mic array that picks up sound from any angle, including echo cancellation, active background noise reduction and speech enhancement, HT-ODYSSEY offers excellent meeting performance.

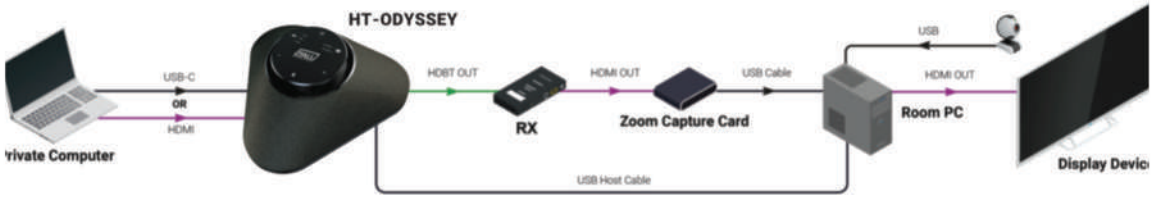
FEATURES

- All-in-one meeting collaboration with mic, speaker, and built-in presentation switch.
- Powerful and stable BYOD feature for sharing content via Miracast, AirPlay and HT-Voyager.
- Built-in HDBT module allows for 4K video signal extension up to 40m.
- 10W enhanced speaker with crystal sound can be heard anywhere clearly in the meeting room.
- Powerful Mic array with omni-directional pickup, unique automatic echo cancellation and noise reduction.
- Compatible with old and new laptops with multi-connector cable provided. (USB Type-C and USB 3.0 Type-A Adapter)
- Touch buttons, smart LED indicator for showing dynamic talking direction.
- Auto detects source status to send power on/off command to sync display.
- Plug and Play compatibility for Window, Mac OS, and Android, also UC platforms like Zoom, WebEx, Teams, etc.

BYOD or ZOOM ROOM



ZOOM ROOM ONLY WITH BYOD CONTENT SHARING



Video and Audio	
Video Input	1 x USB-C In (Type-C or USB3.0 via DisplayLink); 1 x HDMI In; 1 x LAN; 1 x WLAN
Video Output	1 x HDMI Out; 1 x HDBT Out
Video Resolution supported (max)	Input: HDMI/USB Type-C: up to 4K@30Hz 4:4:4 8bit USB 3.0 (DisplayLink): up to 1080P@60Hz Wi-Fi/HT-Voyager: up to 1080P@30Hz Output: HDMI/HDBT OUT: up to 4K@30Hz 4:4:4 8bit
Speaker	10W Sound pressure level: 82±3db 1m/1w at 1KHz Respond range: 150Hz~17K Hz Distortion: 5% max
Mics	4x Omnidirectional Mics Array Sensitivity：-26 dB 94 dB SPL @ 1 kHz SNR:64dB(A) 20 kHz bandwidth, A-weighted fCLOCK=2.4 MHz THD:0.2% 94 dB SPL @ 1 kHz AOP:120dB SPL 10% THD @ 1 kHz Frequency Response: ±2dB (100~10KHz) @94dB SPL
Meeting with	More than 10 People
Transmission Distance	HDBT OUT: up to 40m/131ft at 3840*2160 30Hz

General	
Operating Temperature	0°C to 45°C (32°F to 113°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Humidity	10% to 90%, non-condensing
ESD Protection	Human-body Model: ±8kV (Air-gap discharge)/±4kV (Contact discharge)
Power Supply	DC 24V 5A
Charging via Type-C Port	60W (Max)
Power Consumption	89W (Max)
Device Dimension (W x H x D)	267.3mm x 105.5mm x 232mm/10.52" x 4.15" x 9.13"
Product Net Weight	1.06kg/2.33lbs

Scan for more information, including product manual, specifications, and downloads

EMCEE200

Presentation Switcher

Capture to Stream in 4K

Record to External Storage Device

Dedicated Confidence and Presentation Monitor Outputs

Custom Multiview Layout

Dual Mic Mixer

Seamless Switching

FEATURES

- 18G multiview presentation switcher and scaler
- Customizable multiview layouts, including Picture-in-Picture (PIP) and Picture-over-Picture (POP) uncompressed 4K@60fps 4:4:4 on all inputs and outputs
- Record and save to external storage device
- USB 3.0 capture to stream in 4K
- Dual mic mixer with audio embedding and de-embedding
- Matrix confidence and presentation outputs
- Control via WEB GUI, IR, RS-232 and Telnet
- Optional HDBaseT™ 3.0 and 40-watt audio amplifier plugin modules available

DESCRIPTION

EMCEE200 is a seamless multiview presentation switcher and scaler with Picture-in-Picture (PIP) and Picture-Over-Picture (POP) capabilities. It can process up to four 4K@60 video sources and gives “Confidence” and “Present” HDMI outputs in different window layouts. With a built-in dual mic mixer and a wide range of audio embedding and de-embedding options, EMCEE200 will take center stage in any presentation space. The EMCEE200 can not only record the presentation to an external storage device but also provides a USB 3.0 interface to the PC to stream live without the need for any additional hardware.

Video	Input	4x	HDMI 2.0a
	Output	2x 2x	HDMI 2.0a A/V expansion bays
		18 Gbps bandwidth Up to 4K2K@60 4:4:4 8bits HDCP 1.4, 2.2	
	USB3.0 Capture	USB 3.0 superspeed type-B female Capture up to 4K2K@30 4:4:4 Compatible with Windows 7/8.1/10, Mac, and Linux OS	
	USB Recording	USB 2.0 type-A female 1080p@60 recording	
Audio	HDMI	PCM2, PCM5.1, PCM7.1, 16/20/24 bits per sample up to 96kHz sampling rate	
	MIC Input	1x	3.5mm audio jack
		1x	3-Pin Phoenix connector 48V Phantom and line level audio support
	Embedding	1x	Digital TOSLINK
		1x	Stereo L/R 3.5mm audio jack
	De-embedding	1x	Digital TOSLINK
		1x	Stereo L/R 3.5mm audio jack
		1x	Balanced stereo 5-pin Phoenix connector
Control	RS-232	115200 Baud rate 3-Pin Phoenix connector	
	IP	Embedded WEB-GUI TCP/IP, Telnet commands	
	IR Remote	38 KHz	
Power	Supply	24V 5A DC (US/EU standards/CE/FCC/UL certified)	
	Consumption	32W typical, 102W max (with expansion cards)	
Temperature	Operation	0~40°C [32~104°F]	
	Storage	-20~60°C [-4~140°F]	
	Relative Humidity	20~90% RH [non-condensing]	
Mechanical	Mount	Mounting brackets for 1RU rack or surface mount	
	Dimensions	17.30”(440 mm) W x 9.5”(241 mm) D x 1.75”(44 mm) H	
	Housing	Aluminum	
	ESD	Human body model - ±15kV [air-gap discharge] & ±8kV [contact discharge]	

DSCV1-70-TX DSCV2-70-TX-US DSCV2-70-TX-UK

Discovery Series

1 or 2-gang US & UK Standard
HDBaseT 2.0 Wall Plate
Transmitter & Receiver Kits

USB-C & 2x HDMI inputs, USB 2.0 pass through, Audio de-embedding and PoH

DSCV2-70-RX

DESCRIPTION

Our Discovery Series offers a cost-effective 4K extension with flexible USB and HDMI capabilities for software video conferencing and audio extraction. These kits were designed specifically to address signal extension for multiple participants in classrooms, huddle spaces, or conference rooms. The Discovery series includes an HDBaseT Wall Plate Transmitter, and Receiver kit that pairs natively with soft-codec video conferencing applications such as Zoom, Teams, Skype, WebEx and more. With both US and UK transmitter wallplate options available, Discovery makes collaboration easy and fluid with support for resolutions up to 4K.

DSCV1-70-TX

Single Gang HDBaseT Wall Plate Transmitter and Receiver with USB Hub & Audio Extraction

The Discovery 1 signal extender kit was designed specifically to address HDMI and USB extension for soft-codec Video Conferencing with applications such as Zoom, Teams, Skype, WebEx and more.

DSCV2-70-TX-US

DSCV2-70-TX-US

2-Gang HDBaseT 2.0 Wall Plate Transmitter & Receiver Kits with USB-C & 2x HDMI inputs, USB 2.0 pass through, Audio de-embedding and PoH.

DSCV2-70-TX-UK

4K UHD In-Wall Transmitter with USB host and CEC Triggering

This product is a 3 x 1 auto switching HDBaseT 2.0 transmitter that supports long distance transport of HDMI, USB-C and high-speed USB 2.0 signals up to 40m/131ft using a Cat 5e/6/6a/7 cable. It is 4K compatible with a max resolution of 4K@60Hz/4:2:0 8bit deep color. The PoH feature enables the transmitter to be powered by an HDBT receiver.

DSCV-70-RX

HDBaseT 2.0 Receiver with USB and Audio De-embedding

This product is an HDBT 2.0 receiver that is designed to work with an HDBT wall plate transmitter, reliably extending UHD video, multi-channel audio, USB 2.0, RS232 signal and power up to 40m/131ft using a single Cat 5e/6/6a/7 cable. With PSE module built-in, it can supply power to the transmitter with PD module via a single power supply.

DSCV-70-RX Specifications

Technical	
Input/Output Port	1 x HDBT IN, 1 x HDMI OUT, 1 x RS232, 2 x AUDIO OUT (One for De-embed and another one for Pass-through), 4 x USB DEVICE, 1 x DC 12V IN
Input Signal Type	HDBT 2.0
Output Signal Type	HDMI with 4K@60Hz 4:2:0 8 bit, HDCP 2.2
Input/Output Resolution Supported	**VESA:** 800x600[8], 1024x768[8], 1280x768[8], 1280x800[8], 1360x768[8], 1366x768[8], 1440x900[8], 1600x900[8], 1600x1200[8], 1680x1050[8], 1920x1200[8] **SMPTE:** 1280x720P[1,2,3,4,5,6,7,8], 1920x1080I[6,8], 1920x1080P[1,2,3,4,5,6,7,8], 3840x2160[2,3,5,6,8], 4096x2160[2,3,5,6,8] 1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = at 60 Hz **NOTE:** 4096x2160/3840x2160@50Hz/60Hz is based on chroma sub-sampling 4:2:0 8-bit only.
Maximum Pixel Clock	340MHz
Audio Format	**HDMI OUT:** Supports multi-channel audio formats, including PCM 2.0/5.1/7.1, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio and DTS:X **AUDIO OUT**: Stereo

DSCV2-70-TX-US Specifications

Technical	
Input/Output Port	2 x HDMI IN, 1 x USB-C, 1 x AUDIO IN (Unbalanced stereo 3.5mm), 1 x USB HOST, 1 x HDBT OUT, 1 x RS232 (5-Pin 3.5mm Phoenix connector), 1 x UPDATE (Micro USB)
Input Video Signal	HDMI (4K@60Hz YUV 4:2:0, HDCP 2.2), USB-C DP Alt mode
Output Video Signal	HDBT 2.0
Input/Output Resolution Supported	**HDMI:** VESA: 800x600[8], 1024x768[8], 1280x720[8], 1280x768[8], 1280x800[8], 1280x960[8], 1280x1024[8], 1360x768[8], 1366x768[8], 1440x900[8], 1600x900[8], 1600x1200[8], 1680x1050[8], 1920x1080[8], 1920x1200[8], 2560x1440[8], 2560x1600[8] SMPTE: 3840x2160P[2,5,8(YUV4:2:0)], 4096x2160P[2,5,8(YUV4:2:0)] **USB-C:** Same as above 1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = 60 Hz
Audio Format	**HDMI/USB-C:** Fully supports audio formats in HDMI 2.0 specification, including PCM 2.0/5.1/7.1, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio and DTS:X **AUDIO IN:** Stereo
Maximum Pixel Clock	340MHz
Maximum Data Rate	10.2Gbps
Control Method	Auto Switching, Front panel buttons, API commands

HT-CAM-4K-EPTZ

Auto Framing 4K EPTZ Camera

FEATURES

- **Ultra HD 4K Resolution:** 1/2.8 inch high quality CMOS sensor. Resolution is up to 4K with frame rate up to 30fps (MJPG) or 30fps (H.264); compatible with 1080P and 720P.
- **ePTZ:** ePTZ and 10X digital Zoom;
- **Built-in MIC:** Built-in two omni-directional MIC pickups; with unique noise suppression algorithm, effective pickup distance up to 6 meters.
- **Auto Framing:** Employing superior face detection algorithm to intelligently and automatically frames according to the number of people in the scene, and the characters are in the middle.
- **Wide FOV:** 100° wide angle and small distortion lens.
- **Video output interface:** Video output interface USB 3.0;
- **Multiple Audio/Video Compression Standard:** Supports H.264, MJPG, YUY2, NV12 video compression, to made video play smoothly.
- **Low Noise and High SNR:** Super high SNR image is achieved with low noise CMOS. Even in the case of ultra-low illumination, the picture remains clean and clear.
- **Multiple Installations:** Standard equipped with mold clamp. Easy to install on any devices, such as LCD screen, laptop, table and tripod.
- **Easy to Use:** No need to download driver; USB 3.0 Plug and play;
- **Wide Applications:** Personal video conferencing, enterprise video conferencing, collaboration meeting, etc.

DESCRIPTION

HT-CAM-4K-EPTZ is a 4K ultra-high-definition ePTZ camera with a new design. With AI intelligence, it can frame according to the number of people in the scene, and the characters are in the middle. It has perfect functions and superior performance, which employs advanced ISP processing algorithms so as to provide vivid images with evenly clear brightness, strong color layering, high resolution, and fantastic color rendition. Easy and convenient to install and maintain, stable and reliable.

Model	Lens 1	Lens 2	Lens 3
Camera Parameter			
Sensor	1/2.8-inch-high quality 4K CMOS sensor		
Effective Pixels	8.28MP,16：9		
Video Interface	1 Channel USB 3.0 output, Type B; Support audio signal output		
Audio input	2*Built-in MIC pickup		
Video Format	MJPG：3840*2160@30 /2560*1440@30 /1920*1080@30 /1600*896@30 /1280*720@30 /1024*576@30 /960*540@30 /800*600@30 /800*448@30 /720*576@30/ 720*480@30 /640*480@30 /640*360@30 /480*270@30 /352*288@30 /320*240@30 H264：3840*2160@30 /2560*1440@30 /1920*1080@30 /1600*896@30 /1280*720@30 /1024*576@30 /960*540@30 /800*600@30 /800*448@30 /720*576@30/ 720*480@30 /640*480@30 /640*360@30 /480*270@30 /352*288@30 /320*240@30 YUY2：1920*1080@30 /1280*720@30 /1024*576@30 /800*600@30 /800*448@30 /640*480@30 /640*360@30 /480*270@30 /320*180@30 NV12：1920*1080@15 /1280*720@30 /1024*576@30 /800*600@30 /800*448@30 /640*480@30 /640*360@30 /480*270@30 /320*180@30		
View Angle	95°（D）/83°(H)/46°(V)	115°（D）/100°(H)/56°(V)	138°（D）/120°(H)/68°(V)
Focal Length	f=3.24mm	f=2.26mm	f=1.89mm
Aperture	F2.1	F1.8±5%	F2.0±5%
Digital Zoom	10X		
Minimum Illumination	0.1Lux (F1.8, AGC ON)		
White Balance	Auto / Manual		
Focus	Manual		
Exposure	Auto / Manual/		
BLC	On/Off		
SNR	≥50dB		

USB Feature	
Operation Systems	Windows 7(1080p or lower), Windows 8.1, Windows 10 ; macOS™ 10.10 or higher; Android； Linux (UVC support)
Video Compression Format	YUY2, NV12, MJPG, H264
USB Audio	Support
USB Communication Protocol	UVC, UAC
PTZ Control	Support EPTZ
Hardware Requirement	2.4 GHz Intel@ Core 2 Duo or higher,2GB or higher, USB 3.0 port (USB 3.0 for 4K)

Other Parameter	
Input Voltage	5V
Input Current	1A(max)
Power Consumption	5W(max)
Stored Temperature	-10℃～+60℃
Stored Humidity	20%～90%
Working Temperature	-10℃～+50℃
Working Humidity	20%～80%
Dimension	180mm×42.5mm×46.3mm
Weight	Around 0.3kg
Working Environment	Indoor
Accessory	User Manual, USB 3.0 cable

HT-CAM-1080PTZ

Full HD PTZ Camera

FEATURES

- **Full HD Resolution:** 1/2.8 inch high quality CMOS sensor. Resolution is up to 1920x1080 with frame rate up to 60 fps.
- **Optical Zoom Lens:** 12X optical zoom lens.
- **Leading Auto Focus Technology:** Fast, accurate and stable auto focusing technology.
- **Low Noiseand High SNR:** Super high SNR image is achieved with low noise CMOS. Advanced 2D/3D noise reduction technology further reduces the noise while ensuring high image clarity.
- **Multiple video output interfaces:** HDMI, SDI, CVBS, LAN.
  Simultaneously output audio and video signal via HDMI, SDI and LAN. LAN interface support POE, USB 3.0 support dual code stream, SDI support transmission up to 100m under 1080P60 format
- **Multiple Audio/Video Compression Standards:** Support H.264/H.265 video compression, up to 1920 1080 resolution 60 fps; support AAC, MP3 and G.711A audio compression, 8000, 16000, 32000, 44100, 48000 sampling frequency
- **USB3.0 Support Dual Coding Stream:** Support main stream and sub-stream, and simultaneous output; support YUY2, MJPEG, H.264, NV12, H.265 video coding format
- **Built-in Gravity Sensor:** support PTZ auto-flip function and easy installation.
- **Multiple Network Protocol:** support ONVIF, GB/T28181, RTSP, RTMP, VISCA OVER IP, IP VISCA, RTMPS, SRT protocols; Support RTMP push mode easy to be connected to streaming server (Wowza, FMS); Support RTP multicast mode;
- **Control Interface:** RS422 is compatible with RS485, RS232-IN, RS232-OUT, and the RS232interface supports cascading.
- **Multiple Control Protocol:** Support VISCA, PELCO-D, PELCO-P protocols; Support automatic identification protocols.
- **Quiet Pan / Tilt Movement:** with high accuracy step driving motor, camera can pan / tilt extremely quiet and smooth.
- **Various remote controls:** Users can choose infrared remote control or wireless remote control according to the environmental conditions used. The 2.4G wireless remote control is not affected by angle, distance, and infrared interference. Support the remote control signal transparent transmission function, which isconvenient for back-end equipment to use.
- **Multiple Application:** Online-education, Lecture Capture, Webcasting, Video conferencing, Tele-medicine, Unified Communication, Emergency command and control systems, etc.

DESCRIPTION

This series camera has perfect functions, superior performance and rich video output interfaces; Featuring with advanced ISP processing algorithms, offering vivid and high resolution video with a strong sense of depth and fantastic color rendition. It supports H.264/H.265 encoding which makes motion video more fluent and clear under low bandwidth conditions.

Camera Parameter			
Parameter/Model	12X	20X	30X
Focus	3.9 – 46.8mm	5.2 – 98mm	4.3 – 129mm
FOV	6.3°（N） 72.5°（W）	3.2°（N） 56°（W）	2.34°(N) 65°(W)
Aperture Value	F1.8 – F2.4	F1.5 -- F3.0	F1.6 – F4.7
Effective Pixels	2.07, 1/2.8-inch high-quality CMOS sensor		
Video Format	HDMI/SDI: 1080P60, 1080P50, 1080P30, 1080P25, 720P60, 720P50, 1080P59.94, 1080P29.97, 720P59.94； USB3.0: mainstream： YUY2/NV12: 1920×1080/1280×720/1024×576/800×600/800×448/640×360/640×480/480×270/320×180@30/25/20/15/10/5fps; MJPG/H264: 1920×1080/1600×896/1280×720/1024×576/960×540/800×600/800×448/720×576/720		
	×480/640×360/640×480/480×270/352×288/320×240@30/25/20/15/10/5fps; Sub-stream： YUY2/NV12: 1920×1080/1280×720/1024×576/800×600/800×448/640×360/640×480/480×270/320×180@30/25/20/15/10/5fps; MJPG/H264: 1920×1080/1600×896/1280×720/1024×576/960×540/800×600/800×448/720×576/720×480/640×360/640×480/480×270/352×288/320×240@30/25/20/15/10/5fps;		
Minimum illumination	0.5Lux(F1.8, AGC ON)		
DNR	2D&3D		
AWB	Automatic, manual, one-key white balance, specified color temperature		
Focus mode	Automatic, manual, one-key focus		
Exposure mode	Auto, manual, shutter priority, aperture priority, brightness priority		
Iris value	F1.8 – F11、CLOSE		
Shutter Speed	1/25 – 1/10000		
BLC	on/off		
Dynamic range	Off, 1 – 8		
Image adjustment	Brightness, chroma, saturation, contrast, sharpness, black and white mode, gamma curve		
SNR	≥50dB		

Interface	
Product Interface	HDMI, LAN(POE), USB3.0(B Type Compatible with USB2.0), SDI, A-IN, RS232-IN、RS232-OUT、RS422（Compatible with RS485）、Rotary Switch、DC12V Power、
Video Encoding Format	LAN Interface：Support mainstream and sub-stream H.265、 H.264 USB3.0 Interface：main stream support YUY2、MJPG、H264、NV12
Audio input interface	Dual channel 3.5mm linear input
Audio output interface	HDMI、SDI、LAN、USB3.0
Audio compression	AAC, MP3, G.711A
LAN interface	10M/100M/1000M adaptive Ethernet port, support POE power supply, support audio and video output
Network protocol	RTSP, RTMP, ONVIF, GB/T28181, VISCA OVER IP, IP VISCA, RTMPS, SRT Support remote upgrade, remote restart, remote reset
Control Interface	RS232-IN、RS232-OUT、RS422 compatible with RS485
Serial Communication protocol	VISCA/Pelco-D/Pelco-P, support baud rate 115200/38400/9600/4800/2400
USB Communication protocol	UVC（video communication protocol）, UAC（audio communication protocol）
Power interface	HEC3800 Power socket (DC12V)
Power adapter	Input AC110V-AC220V； output DC12V/2.5A
Input voltage	DC12V±10%
Input currency	<1A
Consumption	<12W

PTZ	
Pan rotation	-170° – +170°
Tilt rotation	-30° – +90°
Pan speed	0.1°/s – 100°/s
Tilt speed	0.1°/s – 45°/s
Preset speed	Pan：100°/s，Tilt：45°/s
Preset quantity	Maximum 255 preset positions can be set (10 via remote controls)
Other Parameter	
Storage temperature	-10℃ – +70℃
Storage humidity	20% – 95%
Working temperature	-10℃ – +50℃
Working humidity	20% – 80%
Dimension	181mm×115mm×149mm
Weight	1.15kg
Environment	Indoor

Accessory	
Standard accessory	Power adapter, RS232 control line, USB3.0 connection line, remote control, manual, warranty card & certificate
Optional accessory	Ceiling mounting bracket, wall mounting bracket

HIVE Touch

Touch Panel Interface

FEATURES

- Intuitive User Interface
- Dynamically Renders the Hive Cloud's Control Panels
- 10 Point Capacitive Touch
- PoE Powered
- Wall and Table Mounting Options
- Access to the HIVE online APP Store

DESCRIPTION

HIVE Touch is an intuitive capacitive touch panel interface that seamlessly connects with the HIVE Cloud. It renders the HIVE's control panels natively to give a dynamic user experience. HIVE Touch provides access and asset management to devices that are connected to the HIVE Cloud. Hive Touch acts as a control system for the entire room and can control all IP devices on the network. With the addition of the HIVE Node, it can also communicate with devices via IR, RS-232, Contact Closure and Relay. With built-in PoE and wireless connectivity, the HIVE Touch can be easily integrated into a wide range of applications.

Display	Size		10.1 Inch IPS
	Resolution		1280 x 800 WXGA
	Viewing Angle		±89° horizontal, ±89° vertical
	Luminance		300 nits cd/m2
	Contrast Ratio		600:1
	Touch		10 Point Capacitive Multi-Touch
System	CPU		Cortex-A17 Quad-core up to 1.6GHz
	OS		Android 7.1
	RAM		2GB DDR
	Storage		8GB emmc
Connectivity	Ethernet		RJ45 10/100/1000
	WiFi		802.11a/b/g/n/ac
	Bluetooth		4.2
IO	1x	RJ45	PoE+ (class 4)
	1x	USB	USB 2.0 Type A
Power	Supply		12V DC 2A
	Consumption		10 Watts Max

HSM-44-UHD

4K 4x4 Matrix Switch

FEATURES

- HDMI 2.0 version (Support 4K@60Hz YUV4:4:4)
- Bandwidth up to 18Gbps
- HDCP2.2 input ,HDCP2.2 output
- HDCP1.4 input, HDCP1.4 output
- Support HDR10
- 4xHDMI Input, 4xHDMI output
- Analog and Digital Audio extraction
- Any one of the 4 Ultra HD sources to any one of the 4 Ultra HD displays
- Support Panel Button, Local IR, RS232 Control with command, IP Control, Web GUI Control
- Support Dolby True HD and DTS-HD master audio, Dolby Atmos under copy EDID mode
- Support firmware updating through USB port

DESCRIPTION

As a member of Genesis Digital Matrix series of switchers, the HSM-44-UHD matrix provides exceptional quality, intuitive operation and powerful control methods that are hallmarks of Hall Technologies video matrix switchers. The 4K matrix is a 4x4 cross-point switch in a compact 1-RU enclosure.
The HSM-44-UHD supports HDMI resolutions up to 4K @ 60Hz4:4:4. It also supports HDCP 2.2 and 1.4, 3D, deep-color and PCM, Dolby, DTS, and HD audio standards. The matrix intelligently calculates EDID for each input based on the EDID of the connected sinks.
Users can save and recall multiple matrix routing configuration PRESETs. HDMI outputs can also be blanked. The matrix includes a two-line character LCD on it's front panel to display the current video routing and to facilitate creating or recalling presets.
The HSM-44-UHD matrix is ideal for conference rooms, multimedia presentations, digital signage, houses of worship, and many other settings.

Video Input Ports:	(4) HDMI 2.0
Video Output Ports:	(4) HDMI 2.0
HDCP:	HDCP 2.2 and HDCP 1.4
HDMI Bandwidth:	18 Gbps
HD Resolutions:	Up to 4K60 (4:4:4)
PC Resolutions:	VGA through WQXGA
Audio Output Ports:	(4) TOSLINK (S/PDIF digital supports all formats listed below) (4) 3.5 mm (Analog Stereo, L/R, supports only 2-channel formats) PCM 2.0, PCM 5.1, PCM 7.1, Dolby 5.1, DTS 5.1, DD+, D-TrueHD, DTS-HD 16/20/24 bits per sample and up to 96 KHz Sampling Rate
Control:	Front Panel / Telnet / RS-232/ IR / WebGUI
Baud Rate:	115200 bps
Power Consumption:	Max 12.5 W / Min 4 W
Power Supply:	External 5V 4A
Housing:	Metal Enclosure
Color:	Black
ESD Protection:	Human body model - ±12 kV [air-gap discharge]& ±8
Operating Temperature:	32 to 122 ° F (0 to 50 ° C) 10%~90%, non-condensing
Storage Temperature:	-40 to +158 °F (-40 to +70 °C)
Dimensions: protrusions):	Device (including 8.50” (216 mm) W x 5.00” (127 mm) D x 1.75” (45 mm) H Shipping: 11.1” (280 mm) W x 9.25” (235 mm) D x 3.23” (82 mm) H
Weight:	Device: 2.05 lbs. (0.93 kg) Shipping: 4.25 lbs. (1.92kg)
EMI/EMC:	CE, FCC Class B
MTBF:	90,000 hours
Warranty:	3-years

LYNX Series

HDMI Over CAT6 Extender Family
Box Receiver w/ Box Transmitter and
US and EU Wall Plate Transmitter Options

FEATURES

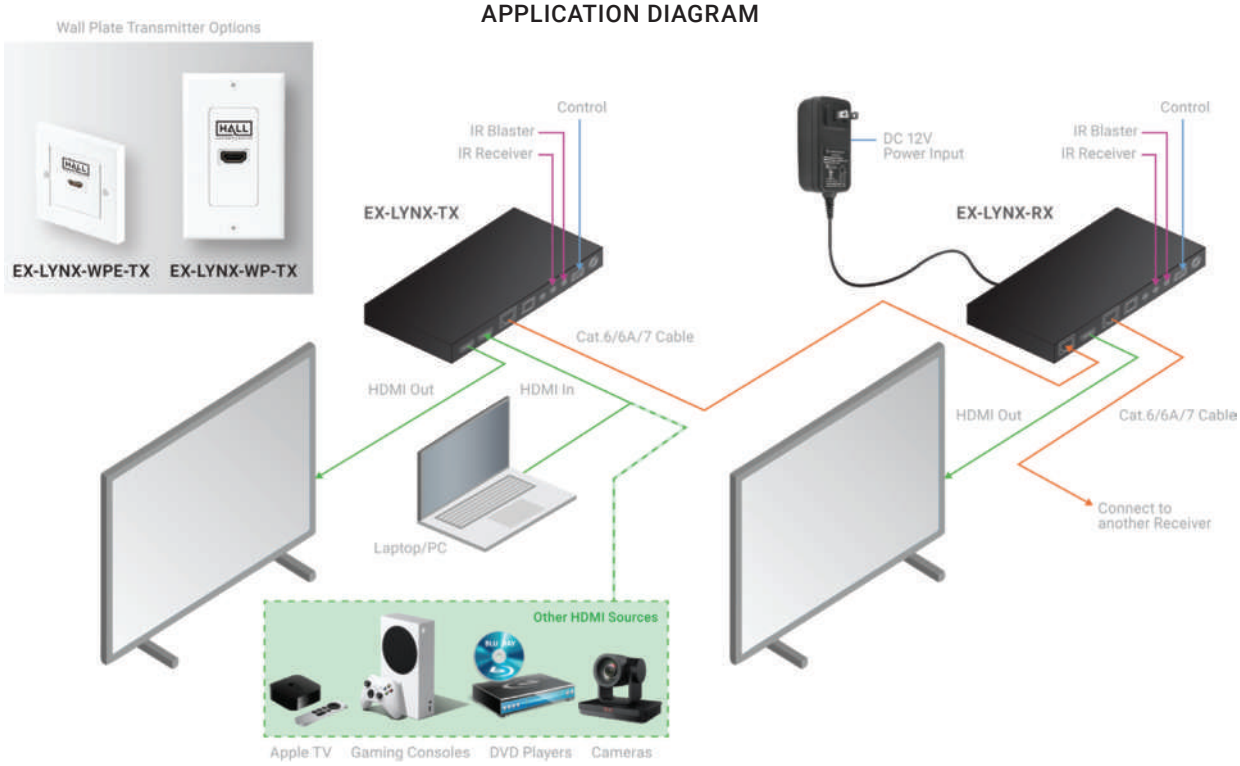
- HDMI 2.0, HDCP 2.2 / HDCP 1.4
- 4k2k@60Hz 4:4:4 signal extends distance up to 60 meters over a single Cat6 cable
- Supports Ultra HD resolution 4K/2K@60Hz,4:4:4
- Supports HDR (High Dynamic Range)
- Bi-directional IR supported
- Supports Local Loop Output and cascading
  - Note: Rs232 & IR only can be used between Transmitter and the first Receiver, if multiple Receivers are cascaded.
- Support for mixing EDID for better compatibility
- Offers simple and quick distribution for HDMI video signals - position your monitors wherever you wish
- Resolutions: 4K2K (60Hz), 4K2K (30Hz), 1080p, 1080i, 720p, 576p, 576i, 480p, 480i
- LED status display
- Max transfer rate: 18 Gbps
- Color depth: 12 bit
- Supports compressed audio signals, such as DTS digital, Dolby digital (including DTS-HD and Dolby True HD)
- Supports uncompressed audio signals such as LPCM
- Compact size, simple use and installation
- Supports PoC, function. This means either transmitter or receiver is powered by a 12v power adapter, the other device doesn't need a power supply.

DESCRIPTION

The Hall Technologies LYNX 4K Extender Set features extension of Ultra HD resolution, 4K 60Hz video signal with audio and control up to 60m (197ft) over a single CAT6 cable. Both the LYNX-TX and the LYNX-RX include local audio de-embedding via 3.5mm stereo output. The LYNX-TX, transmitter includes a Local Loop Output, to allow for monitoring and playback status of the local source. Additionally, the LYNX-RX, receiver also includes a Loop Output via RJ45, to allow up to eight receivers to be cascaded to create a larger distribution solution and/or to enable greater distribution distance. LYNX also supports bi-directional pass-through for source and display control and comes with a pair of infrared emitters.

Description	4K60 HDMI over CAT6 Transmitter
Video Input Ports	1 x HDMI
Video Output Ports	1 x HDMI
	1 x RJ45 (HDMI over CAT6)
HDCP	HDCP 2.2 and HDCP 1.4
HD Resolutions	480i, 480p, 576i, 576p,720p, 1080i, 1080p 8, 12 or 16 bits per channel (24, 36 or 48 bits aggregate), 4K30 4:4:4, 4K60 4:4:4
PC Resolutions	Up to 4096x2160
Audio Output Ports	1 x SPDIF (Toslink) Digital Multichannel output
	PCM 2.0, PCM 5.1, PCM 7.1, Dolby 5.1, DTS 5.1, DD+, D-TrueHD, DTS-HD
	16/20/24 bits per sample and up to 96 KHz Sampling Rate
	1 x 3.5mm (Analog Stereo, L/R, supports only 2-channel formats)
Control	RS-232, IR
Baud Rate	4800~115200 bps
Power Supply	DC 12V/1A (Locking connector)
Power consumption	2.5W
Housing	Metal Enclosure
Color	Black
ESD Protection	Human body model - ±12kV [air-gap discharge] & ±8kV
Operating Temp	32 to 122 °F (0 to 50 ℃)
	10%~90%, non-condensing
Storage Temp	-40 to +158 °F (-40 to +70 °C)
Dimensions	Device:
	(180 mm) W x (75 mm) D x (25 mm) H
Weight	Device:
	0.69 lbs. (315g)
MTBF	90,000 hours

APPLICATION DIAGRAM



HT-TRK1

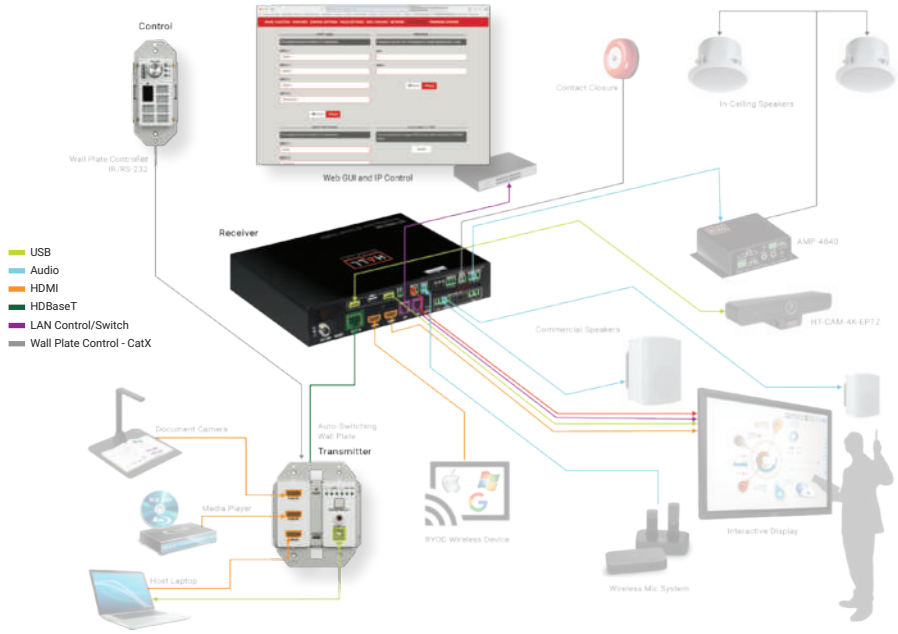
Apollo Technology Room Kit

FEATURES

- 4K Compatibility Built on long-range HDBaseT Technology
- Versatile, All-in-One System
- Control and Security
- DSP Mixing Function
- Built-In Audio System
- Power, Video and Control over Cat6a up to 330 feet
- Simple Operation with Web GUI Interface

DESCRIPTION

Designed with ease-of-use, flexibility and reliability in mind, the APOLLO Room Kit offers a complete packaged solution for workspaces and learning environments alike. APOLLO provides HDMI video switching, system control, video extension and analog audio amplification – all in a convenient three-piece kit. Utilizing the long-range HDBaseT technology, power, control, video up to 4K@60Hz and audio are transported over a single Category 6a cable between a wall plate transmitter and the receiver with a transport distance of 30m/100ft. The wall plate control panel allows remote switching of the sources and volume control from a convenient location. You can switch among four HDMI Inputs, and you can scale the HDMI inputs up to 4K@60Hz. Additionally, the receiver features a built-in Web UI for control and analog audio de-embedding to your choice of a built-in 20W stereo amplifier for driving low impedance speakers, a 70V amplifier for driving commercial 70V speakers or stereo analog audio outputs. An integrated Ethernet switch allows easy configuration with the IP Network.



Technical	
Input/Output Port	**Transmitter:** 3 x HDMI IN; 1 x Source Selector Button; 1 x AUDIO IN; 1 x USB Type-B Host; 1 x Micro USB FW update port; 1 x HDBT OUT; 1 x RJ45; 1 x REBOOT button **Receiver:** 1 x HDBT IN; 1 x HDMI IN, 1 x HDMI OUT; 2 x LAN; 1 x Micro USB FW update port; 1 x 4Ω/8Ω SPEAKER OUT; 1 x 70V SPEAKER OUT; 1 x Speaker Out Select Switch; 3 x USB Type-A Device; 1 x IR OUT; 1 x RS232 IN; 1 x RS232 OUT; 1 x select switch (LINE IN/MIC IN/MIC IN with phantom power); 1 x AUDIO IN; 1 x MUTE IN; 1 x AUDIO OUT; 1 x DC 24V; 1 x RESET button **Control Panel:** 1 x Volume control knob; 1 x IR Sensor; 6 x Button; 1 x RJ45
Input Signal Type	**Transmitter** HDMI with 4K@60Hz YUV 4:2:0, HDCP 2.2 **Receiver:** HDMI with 4K@60Hz YUV 4:4:4, HDCP 2.2
Input Resolution Supported	**HDMI IN on Transmitter:** **VESA:** 800x600[8], 1024x768[8], 1280x768[8], 1280x800[8], 1280 x960[8], 1280x1024[8], 1360x768[8], 1366x768[8], 1440x900[8], 1600x900[8], 1600x1200[8], 1680x1050[8], 1920x1200[8] **SMPTE:** 1280x720P[6,7,8], 1920x1080P[6,7,8], 3840x2160[2,3,5,8]*, 4096x2160[2,3,5,8]* 1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = at 60 Hz, * = 4:2:0 **HDMI IN on Receiver:** **VESA:** 800x600[8], 1024x768[8], 1280x768[8], 1280x800[8], 1280x960[8], 1280x1024[8], 1360x768[8], 1366x768[8], 1440x900[8], 1600x900[8], 1600x1200[8], 1680x1050[8], 1920x1200[8] **SMPTE:** 1280x720P[6,7,8], 1920x1080P[6,7,8] 3840x2160[2,3,5,8], 4096x2160[2,3,5,8] 1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = at 60 Hz
Output Signal Type	HDMI with 4K@60Hz YUV 4:4:4, HDCP 2.2
Output Resolution Supported	**VESA:** 800x600[8], 1024x768[8], 1280x768[8], 1280x800[8], 1280x960[8], 1280x1024[8], 1360x768[8], 1366x768[8], 1440x900[8], 1600x900[8], 1600x1200[8], 1680x1050[8], 1920x1200[8] **SMPTE:** 1280x720P[6,8], 1920x1080P[6,8]
	3840x2160[2,3,5,6,8], 4096x2160[2,3,5,8] 1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = at 60 Hz **Note:** Built-in Scaler cannot output resolutions with Deep Color, HDR and 4:2:2/4:2:0 color space.
Audio Format	• HDMI IN/OUT: Stereo • All AUDIO IN & MIC/LINE IN: Stereo • AUDIO OUT & 4Ω/8Ω SPEAKER OUT: Stereo • 70V SPEAKER OUT: Mono
Maximum Data Rate	HDMI IN, HDBT OUT on transmitter & HDBT IN on receiver: 10.2Gbps HDMI IN & HDMI OUT on receiver: 18Gbps
Control Method	Control Panel; Button on transmitter; LAN control (Web UI/Telnet); RS232

General	
Operating Temperature	0°C to 45°C (32°F to 113°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Humidity	10% to 90%, non-condensing
ESD Protection	Human-body Model: ±8kV (Air-gap discharge)/ ±4kV (Contact discharge)
Power Supply	DC 24V 5A
Power Consumption (Max)	81W
Device Dimension (W x H x D)	**Transmitter:** 89mm x 105.6mm x 43mm/ 3.5" x 4.16" x 1.69" **Receiver:** 215mm x 42mm x 160.2mm/ 8.46" x 1.65" x 6.31" **Control Panel:** 45mm x 105.6mm x 28.7mm/ 1.77" x 4.16" x 1.13"
Product Weight	Transmitter: 0.3kg/0.66lb Receiver: 1.43kg/3.15lb Control Panel: 0.16kg/0.35lb

Cable Type	Range	Supported Video
Cat 5e	100m/330ft	Up to 1080P@60Hz 36bpp
	90m/295ft	1080P@60Hz 48bpp
Cat 6/6a/7	100m/330ft	1080P@60Hz 3D 4K@30Hz 4:4:4 24bpp 4K@60Hz 4:2:0 24bpp
HDMI	Input: 15m/50ft Output: 10m/33ft	1080P@60Hz 24bpp
	Input/Output: 10m/33ft	4K@30Hz 4:4:4 24bpp 4K@60Hz 4:2:0 24bpp
	Input: 5m/16ft Output: 3m/10ft	4K@60Hz 4:4:4 24bpp

VERSA-4K

4K Video & USB Over IP

FEATURES

- Extend and switch multiple 4K HDMI video and USB on a simple Gigabit LAN
- Can be used directly (without LAN) for point-to-point HDMI/DVI video, USB 2.0, Audio, IR, and RS232 extension on Cat6
- Low latency video and audio
- Video rotation and flipping (horizontal and vertical)
- User configurable video-wall processor
- Extends signals up to 120 meters (400 ft)
- HDMI video loop output on the Sender
- Extracted HDMI audio in stereo analog format on both Sender and Receiver
- 4 USB ports on the Receiver, 2 for keyboard and mouse plus 2 general purpose USB 2.0 ports
- PoE powered. Power supply included for direct point to point extension or if PoE is not available
- USB Device Class Filtering (to exclude devices like USB flash memory)
- CEC, IR, and R-232 Serial over IP for control
- Automatic KVM switching (when more than one receivers are routed to one source)
- Telnet and integrated Web GUI control
- Front panel character-LCD for configuration of IP parameters and status indication
- Receivers include small IR remote controller for switching channels
- Free PC GUI with advanced features to ease setup and configuration
- Sender accepts a max resolution of 4K 60Hz 4:4:4 on its input and loop output
- Receiver outputs a max resolution of 4K 30Hz 4:4:4
- HDCP2.2 and 1.4 compliant

DESCRIPTION

The VERSA-4K provides the means to extend and switch multiple HDMI video and USB data to virtually an unlimited number of receivers on a simple Gigabit network. Bidirectional IR, RS-232, and auxiliary stereo audio can also be extended. Advanced features include, low latency video and audio, CEC and Serial over IP for control, video wall processor to expand and split 4K video on to multiple screens, video rotation and flipping (horizontal and vertical), USB Device class filtering for excluding specific USB device types such as USB flash drives, automatic KVM switching, Telnet and webGUI control, Dynamic Virtual Matrix™ (DVM) operation, PoE (power over Ethernet) support, and more.

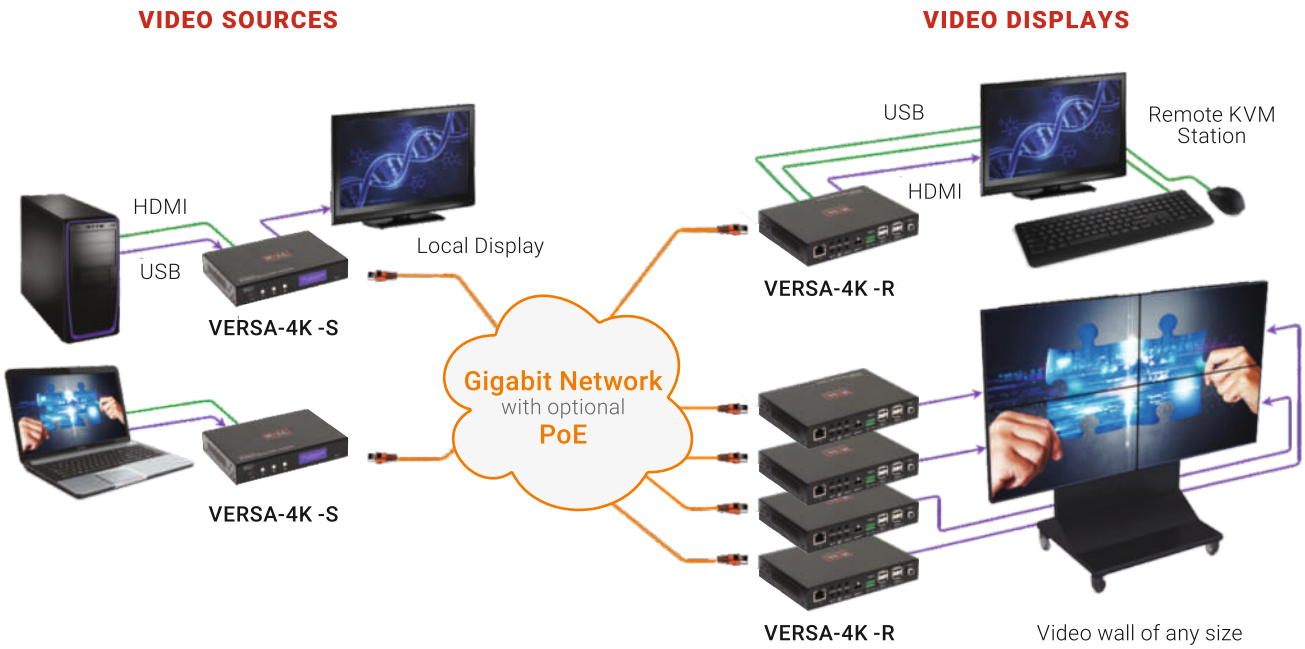
4K Video & USB over IP

In a 1-to-1 setup (one Sender to one Receiver) no external network equipment is needed, just connect a Cat6 cable up to 120 meters (400 ft) between the two ends. In a many-to-many setup, a dedicated gigabit network switch (with IGMP and Jumbo-frame support) is required. Each VERSA-4K includes a power supply adapter, however, if the network switch provides PoE, connection of the power adapter is not required. Users can route the video from up to 64 senders to virtually unlimited receivers.

The Sender can accept any HDMI resolution including 4K, 60 Hz 4:4:4 with HDCP 2.2 and it includes an HDMI video loop output together with extracted HDMI audio in analog format for maximum flexibility. The Receiver also includes extracted HDMI audio output and provides a scaled video output with maximum resolution of 4K, 30 Hz 4:4:4 . There are 4 USB ports available on the Receiver, two dedicated for use with keyboard and mouse (auto switching based on user activity) and two general purpose USB 2.0 port that support touch screens, memory devices, audio capture, and many other USB device functions.

Both the Sender and Receiver provide a two-line front panel character-LCD that can be used to easily configure parameters such as IP settings, video multicast channel selection, assignment of device names, and more. Receivers also include an IR remote controller that can be used to easily switch the video among Senders.
Free PC GUI is available with many unique and advanced features to ease setup and configuration. The VERSA-4K is perfect for applications such as: Interactive digital signage, KVM extension, virtual matrix switching, USB over LAN extension, and much more.

Supported Resolutions	PC (VGA to WUXGA) HDTV(480i to 4K/UHD)
Power Supply	12V/1A DC with universal AC plug kit and locking DC connector (US/EU standards, CE/FCC/UL certified)
Operating Temperature	+32 to +104F (0 to +40℃) 20-90%, non-condensing
Product Dimensions	6.30"(160 mm) W x 3.94"(100.0 mm) D x 1.38" (35 mm) H
Net Weight	**TX (Unit)** 1.12 lbs (0.51 KG) **RX (Unit)** 1.12 lbs (0.51 KG)
Chassis Material	Metal
Mounting Option	Mounting Brackets (included)



CUSB3-AP*

USB 3.0/3.1 Gen 1 Javelin™ Active Optical Plenum Cable

FEATURES

- Plenum Rated
- Date transfer rates of upto 5 Gigabits per second
- Offers fiber-optic noise immunity
- No additional power supply required
- Supports all USB 3.0 (USB 3.1 Gen 1) devices
- Thin and flexible with bend radius of 0.3 inch
- Plug and Play – no driver installation required

DESCRIPTION

The CUSB3-AP cables are members of Hall Technologies' Javelin™ family of active optical video and USB cables. The CUSB3-AP cables are used to extend USB 3.0 (USB 3.1 Gen1) Super-Speed signals at data rates of up to 5 Gbps. They support transparent extension of USB 3.1 Gen1 and are compatible with all USB 3.0 devices including 4K USB 3.0 cameras and USB 3.0 memory devices. They are offered at standard lengths of 15, 30, and 50 meters (50, 100 , and 164 ft).

The cables are light-weight and are constructed using a hybrid of fiber and copper. Fiber optics offer high immunity to EMI and RFI noise for trouble free operation. The cable uses minimal power and does not require any additional power supply. The USB host connection provides 5v power for operation and the cable sends 5v via its copper wires to the remote (device) end. The cables are constructed using Plenum (CMP) Rated jacket material to ensure compliance with modern building codes. The small cable ends can be easily pulled through most conduits (pulling sock is recommended).

CUSB3-AP cables are compatible with virtually all USB 3.0 and 3.1 Gen1 devices, and are a perfect solution for extending 4K videoconferencing cameras, video capture, docking stations, and other high-speed data communications. They are not recommended for use with USB 2.0 or 1.1 devices. For use with USB 2.0 or 1.1 Hall Technologies offers Special Hubs with USB 2.0/1.1-to-USB3.0 Transaction Translators that convert USB 2.0 traffic to USB 3.0 so that they can be extended using the CUSB3-AP cables.

Note that the CUSB-AP cables only extend USB 3.0 signals.

Performance Characteristics	Input Output Available Lengths USB Standards Bandwidth	Male USB 3.0 Type A Female USB 3.0 Type A **CUSB3-AP-15** 15 meters (50 ft) **CUSB3-AP-30** 30 meters (100 ft) **CUSB3-AP-50** 50 meters (164 ft) USB 3.0 or USB 3.1 Gen 1 5 Gbps max
Electrical Characteristics	Supply Voltage Supply Current Power consumption	Powered from USB 5v pin Nominal: 5v (operating range: 4.7v ~ 5.3v) Damage will occur if 5v input is greater than 6v Nominal: 50 ma max (not including the remote USB device load) Nominal: 0.25 watts
Cable Characteristics	Grade Color Diameter Bend Radius Connector Pull Strength	Plenum CMP (UL) Black 5 mm (0.2 inch) 8 mm (0.3 inch) minimum 10 Kg (22 lbs) maximum (never pull on the connector, use a pulling sock)
General	Connector Housing Dimensions	**USB A Male (host side)** 1.4 inch x 0.6 inh x 0.3 inch (35.6 mm x 15.3 mm x 7.6 mm) Total length including USB and strain relief: 2.3 inch (58.4 mm) **USB A Female (device side)** 1.8 inch x 0.6 inch x 0.3 inch (45.7 mm x 15.3 mm x 7.6 mm) Total length including strain relief: 2.2 inch (55.9 mm)
	Temp/humidity	Storage: -4 to +158°F (-20 to +70°C) / 5% to 90%, non-condensing Operating: +32 to +122°F (0 to +50°C) / 10% to 85%, non-condensing
	Regulartory	CE, RoHS
	EMI/EMC	CE, FCC Class A

IPEVO

Nteck systems

Simple, Affordable, Powerful

IPEVO represents a whole new approach to classroom technology, designing its document camera as versatile, lightweight, and easy-to-use tools.

These tools, together with IPEVO software applications, enable educators and professionals to co-create, teach, and work remotely in a more intuitive, efficient, and convenient manner.

Personal Tabletop

IPEVO V4K PRO

Ultra HD USB Document Camera

See what I see, hear what I mean.

IPEVO V4K

Ultra HD USB Document Camera

See what I see

IPEVO

Nteck systems

Professional On-the-go

IPEVO DO-CAM
USB Document Camera
Creator's Edition

Do what you love,
share what you do.

A special edition of IPEVO's most portable document camera, for those who build themselves a unique, creative space.

IPEVO DO-CAM
USB Document Camera

Do what you love,
share what you do.

DO-CAM's innovative design makes it highly portable and allows users to fold it into the shape and size of a pencil case, with the USB cable hidden inside.

Advanced Connectivity

IPEVO VZ-X
Wireless, HDMI & USB
Document Camera

Visualise the Big Picture,
wirelessly.

Display images on a computer screen or directly connect to a TV, projector, or mobile device - via Wi-Fi, HDMI, or USB.

IPEVO VZ-R
HDMI& USB Dual Mode
Document Camera

Visualise the Big Picture,
clearly.

Two connection options - HDMI and USB, together with direct camera controls allow teachers and presenters to present with utmost convenience and flexibility.

Communication Tools

IPEVO Uplift
Multi-angle Arm for Smartphones

Hold up your phone
without holding up your phone.

Uplift delivers the versatility of IPEVO document cameras to the users, who utilise their smartphones for online conferencing, providing them with a sturdy and stable stand that allows any angle they might need.

*One package is 6 Mirror-Cams and 6 whiteboards

IPEVO Mirror-Cam

Free the Doc Cam in your laptop

Mirror-Cam is the most affordable tool for online learning, that anyone can use. When attached to the camera of a laptop, its mirror reflects anything inside the keyboard area right into the build-in webcam.

IPEVO

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Best in class with best value

- High image quality

  All IPEVO document cameras sport 8-megapixel sensors from Sony, capable of Ultra HD resolution, with exceptional image clarity and colour reproduction.

- Simple and intuitive

  IPEVO cameras are plug-and-play and require no additional training.

- Free software support

  IPEVO software and add-ons further expand the capabilities of document cameras and provide useful presentation tools such as video recording, annotation, or on-the-fly image adjustments.

- Compatible with everything

  All IPEVO cameras work with conferencing apps such as Zoom, Microsoft Teams, or Skype on Windows, Mac, and Chromebooks.

- Affordable and accessible

  By designing affordable and easy-to-use devices, IPEVO makes document cameras accessible to just anybody.

V4K PRO
Ultra HD USB
Document Camera

Size and Weight

581g
Dimensions (folded)
LxWxH:27.7x7.8x4.8cm

Camera

8MP Sony CMOS sensor
-

Output

USB to Computer
-
-

Viewing Area

A4 (21.0 x 29.7cm)
-* Note 1
-* Note 1

Resolution

USB – up to 3264 x 2448
-
-

Frame Rate

Up to 30 fps at 3264 x 2448p

Built-in Features

LED Light
Microphone
-
AI-Enhanced Voice (Noise Reduction)
Auto-focus
- *Note 4
- *Note 4
Exposure

Note 1: You can easily elevate the document camera by yourself to reach a greater viewing area.
Note 3: You can make recordings and video calls using the microphone of your computer.

IPEVO

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V4K
Ultra HD USB
Document Camera

DO-CAM
USB
Document Camera

VZ-X
Wireless, HDMI & USB
Document Camera

HDMI
Document Camera

581g	335g	1.17kg	1.0kg
Dimensions (folded)	Dimensions (folded)	Dimensions (folded)	Dimensions (folded)
LxWxH:27.7x7.8x4.8cm	LxWxH:22.0x6.3x2.2cm	DxWxH:11.6x10.8x32.2cm	DxWxH:11.6x10.8x30.1cm
8MP Sony CMOS sensor	8MP Sony CMOS sensor	8MP Sony CMOS sensor	8MP Sony CMOS sensor
-	-	Ambarella SoC image processor with H.264 codec engine	Ambarella SoC image processor with H.264 codec engine
USB to Computer	USB to Computer	USB to Computer	USB to Computer
--	-	HDMI to TV or projector	HDMI to TV or projector
--	-	Wireless to computer or mobile device	-
A4 (21.0 x 29.7cm)	A4 (21.0 x 29.7cm)	A4 (21.0 x 29.7cm)	A4 (21.0 x 29.7cm)
-* Note 1	-* Note 1	B4 (25.0 x 35.3cm)	B4 (25.0 x 35.3cm)
-* Note 1	-* Note 1	A3 (29.7 x 42.0cm)	A3 (29.7 x 42.0cm)
USB – up to 3264 x 2448	USB – up to 3264 x 2448	USB – up to 3264 x 2448	USB – up to 3264 x 2448
--	-	HDMI – up to 1080p	HDMI – up to 1080p
--	-	Wireless – up to 1080p	-
Up to 30 fps at 1080p	Up to 30 fps at 1080p	Up to 30 fps at 1080p	Up to 30 fps at 1080p
-	-	LED Light	LED Light
Microphone	- *Note 3	Microphone	Microphone
-	-	Battery (9-12 hours)	-
-	-	-	-
Auto-focus	Auto-focus	Auto-focus	Auto-focus
- *Note 4	Image rotation	Image rotation	Image rotation
- *Note 4	- *Note 4	Zoom	Zoom
Exposure	- *Note 4	Exposure	Exposure

Note 2: In order to use VZ-R for viewing A3-sized documents, please change its output display ratio to 4:3.

Note 4: You can access this function and many others through the IPEVO Visualizer Software or the IPEVO CamControl Add-on.

IPEVO

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IPEVO is a leading brand specializing in intelligent communication technology. We make video conferencing and document cameras with innovative design and intuitive user experience. Our products and software applications enable educator and professionals to co-create, work, teach and collaborate remotely in a more intuitive and efficient manner.

TOTEM VOCAL-1
Be sure your voice are heard

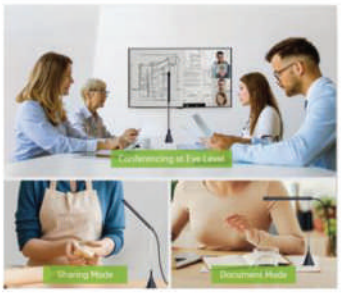
AI Beamforming Bluetooth Speakerphone

- Beamforming technology
- Beam-mode and omni-mode
- Upstream & downstream AI noise cancelation
- Compatible with all conferencing software

TOTEM NX-120A
Conferencing, sharing, and Doc Scanning.

Multimodal Collaboration Cam

- AI framing and tracking
- AI enhanced voice technology
- Dual-lens: Ultra wide 120˚ and portrait 80˚
- Compatible with all conferencing software



TOTEM NX-180
Ultra wide 180˚ capturing everyone at the table

180˚ Panoramic Conference Cam

- AI framing and tracking
- USB connection. Plug and play
- Voice enhanced microphones with noise reduction
- Compatible with all conferencing software

TOTEM NX-360SA
Seamless stitched 360 ˚ image with speakerphone

360˚ Immersive Conference Cam

- AI framing and tracking
- AI enhanced voice technology
- 3 Built-in collaboration modes
- Compatible with all conferencing software

IPEVO

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New Experience for Conference and Hybrid learning

	VOCAL-1	NX-120A	NX-180	NX-360SA
				
Application	All kinds of Conference room	Single person Huddle room Small room	Middle room Large room Hybrid learning	All kinds of conference Hybrid learning
Camera	–	8MP Sony CMOS	6.4MP Duo Cams Sony CMO	5MP 4 x Cams Sony CMOS
Resolution	–	4K @ 30fps	1080p @ 30fps	1080p @ 30 fps
FOV	–	Cam 1: 120° Cam 2: 80° (A4)	180°	360°
Focus	–	Cam 1: fixed Cam 2: Auto focus	Fixed	Fixed
Mic	5m	3m	5m	5m
Speaker	Built-in	–	–	Built-in
Connection	USB Type C 2.0 (1.8m) Bluetooth 5.0	USB Type C 2.0 (1.2m)	USB Type C 3.0 (1.8m)	USB Type C 2.0 (1.8m)
AI	2-way noise cancelation	Noise cancelation	Noise reduction	Noise reduction
Weight & Dimension	500 g 7.16 x 7.16 x 24.15 cm	450 g 5.4 x 6 x 33.5 cm	TBC	400 g 7.2 x 7.2 x 25.5 cm

www.opticis.com

Nteck systems

USB 3.0 Active Optical Cable
USB-FC30AA

Description

OPTICIS USB extension cable, USB-FC30AA, links the USB data up to 100m (328ft) without any repeater. USB-FC30AA provides the simplest way to link the USB device far from the host. Owing to the advanced VCSEL and PD, the USB protocol is capable of transmitting fully secured data with high cost efficiency by adapting hybrid fiber cable. Connected device must be self-powered.

USB-FC30AA provides A plug to A plug. In addition, instead of using a pure fiber optical cable, to enhance its affordability, hybrid fiber cable with electrical wire is used, yet it meets Plenum grade. This offers convenient extension where there is no AC power supply adjacent at the end of the device. Furthermore, bi-directional transmission increases the convenience in such users do not need to distinguish TX/RX side of the connector. The cable is designed to be insensitive on the side.

A to B copper cable (15cm) and a locking housing are provided as an options for Type B device such as Camera, USB hub and etc.

Specification

- Compatible with USB 3.0 standards
- Transmits USB 3.0 data to 100m (328 feet) over hybrid cable.
- TX / RX insensitive design (two-way port)
- SuperSpeed USB 5Gbps data rate
- A dopts plenum graded hybrid cable
- Operated by 5V source power
- USB 3.0 A plug to A type plug
- No software installation required: Plug and Play

Applications

- Security / Monitoring over USB Camera
- Conference Room
- Control Room
- Offices / Factories
- Government
- Military

Nteck systems

OUR PRODUCTS -

Works with some of the World's best Brands

INOGENI

HALL TECHNOLOGIES

opticis

IPEVO

crowdbeamer

sonetonix redefining time & energy

ULTRASONIC AUDIO TECHNOLOGIES

OUR CLIENTS -

SBI

ISB

DLF

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IIMB तेजस्वि नावधीतमस्तु

Providence

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NetApp

wipro

ZYETA

Abbott

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HYUNDAI

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RBL BANK

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asianpaints

Bliss GVS

DSP

EY

fiserv.

GITAM DEEMED TO BE UNIVERSITY

kotak

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Nteck systems

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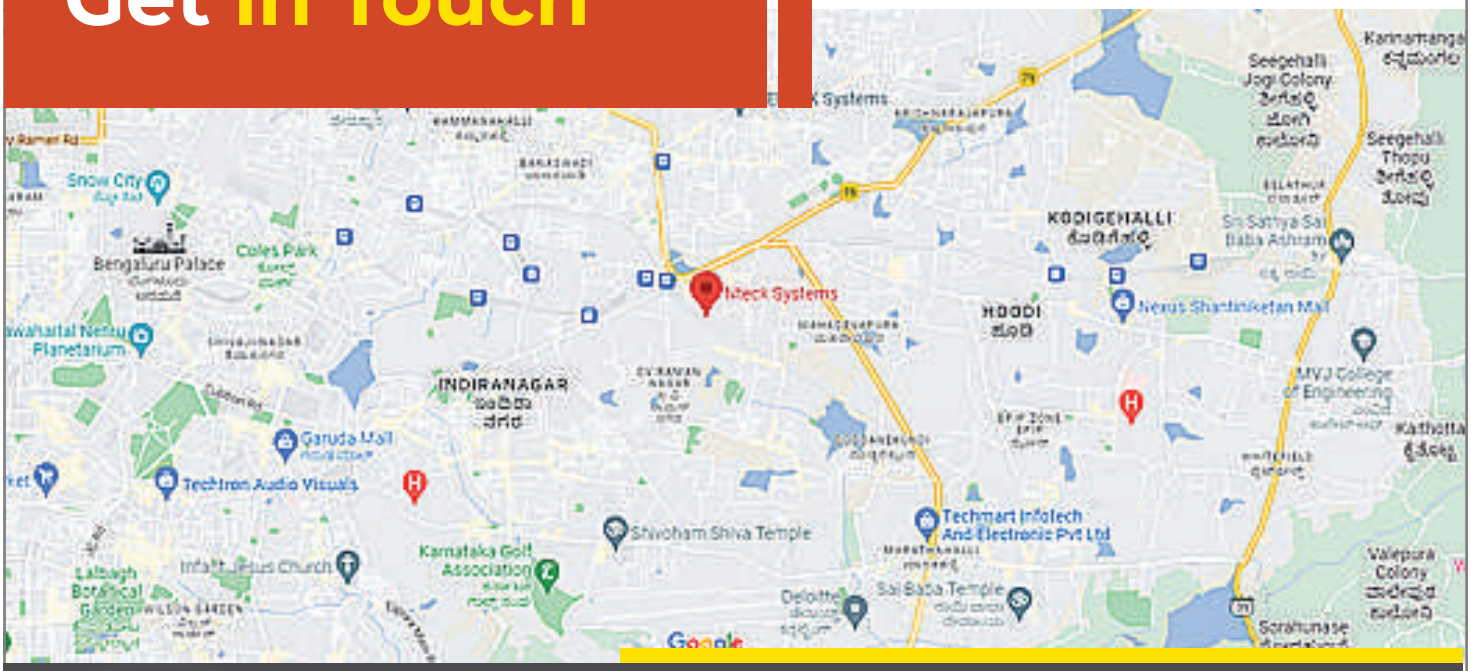

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