



PRODUCT HANDBOOK



About AMX

At-a-glance: Quick Specs

- 1 Single-Output Switchers
- 2 Matrix Switchers & Windowing Processor
- 3 Transmitters and Receivers
- 4 Network AV – SVSI Encoders / Decoders / Windowing Processors
- 5 Controllers
- 6 Touch Panels and Room Booking Panels
- 7 Buttons Panels
- 8 Cable Management
- 9 EDID Management, Scaling, & Capture



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AMX has been leading innovation in automation and video distribution for more than 40 years. AMX takes the complexity out of managing technology by providing reliable, consistent and scalable systems comprising control and automation, switching and signal distribution. AMX leads the way with the most innovative and comprehensive networked AV portfolio with SVSI solutions, the most secure, pixel-perfect video distribution with Enova matrix switchers, and defined the automation market with the NetLinx control platform. Secure. Robust. Mission-critical. This is why iconic institutions like the United Nations, NATO, and the US White House rely on AMX to be productive and effective.

MARKETS SERVED



CORPORATE



HOSPITALITY



HOUSE OF WORSHIP



EDUCATION



GOVERNMENT





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AT-A-GLANCE

Single-output switchers



SWITCHER

1 VPX

VPX-1401:

4x1 4K60 Switcher

Inputs:VGA, HDMI

Outputs: HDMI, DXLink

Audio Out:Yes

VPX-1701:

7x1 4K60 Switcher

Inputs:VGA, HDMI

Outputs: HDMI, DXLink

Audio Out:Yes

TRANSMITTER-RECEIVER KIT

2 CT Series

CTP-1301:

4x1 4K30 TxRx Kit

Inputs:VGA, HDMI

Output (Rx): HDMI

Audio Out:Yes

CTC-1402:

Multi-inputs with USB & USB-C
TxRx Kit

Inputs (Tx and Rx): VGA, HDMI, DP,
USB, USB-C

Outputs (Rx): HDMI, USB

Audio Out:Yes

AT-A-GLANCE

Matrix switchers and Windowing processors



FIXED	MODULAR	ALL-IN-ONE	WINDOW PROCESSOR
1 Precis Series	2 DGX	3 DVX 4K60	4 Precis Series
<p>PR-0402 - 4x2 4K60 HDMI Switcher</p> <p>PR-0404 - 4x4 4K60 HDMI Switcher</p> <p>PR-0602 - 6x2 4K60 HDMI Switcher</p> <p>PR-0808 - 8x8 4K60 HDMI Switcher</p> <p>Inputs: HDMI</p> <p>Outputs: HDMI</p> <p>Audio Out: Yes</p> <p>Integrated Control Processor: No</p> <p>PR01-0808 - 8x8+4 4K60 HDMI Switcher</p> <p>Inputs: HDMI</p> <p>Outputs: 8xHDMI + 4xHDBT</p> <p>Audio Out: Yes</p> <p>Integrated Control Processor: No</p>	<p>DGX Enclosure Configuration:</p> <p>DGX800: 8x8 in/out max</p> <p>DGX1600: 16x16 in/out max</p> <p>DGX3200: 32x32 in/out max</p> <p>DGX6400: 64x64 in/out max</p> <p>Input Boards format:</p> <p>4K60. HDMI, DXLink, Fiber - 4x input source per board</p> <p>Output Boards format:</p> <p>4K60. HDMI, DXLink, Fiber - 4x output source per board</p> <p>Audio Board:</p> <p>Audio Switching Board</p> <p>Audio Insert/Extract Board</p> <p>Integrated Controls Processor: Yes (via LAN only)</p>	<p>DVX-2265-4K:</p> <p>6x2 4K60 Video Switching</p> <p>Inputs: 4x HDMI, 2x DXLink</p> <p>Outputs: 2x HDMI, 1x DXLink (Mirrored port)</p> <p>DVX-3266-4K:</p> <p>8x4 4K60 Video Switching</p> <p>Inputs: 4x HDMI, 4x DXLink</p> <p>Outputs: 4x HDMI, 2x DXLink (Mirrored port)</p> <p>Dante Audio: Yes</p> <p>Analog Audio : Yes</p> <p>Mic input: Yes</p> <p>Amplifier output: Yes, 120W per channel</p> <p>Integrated Control Processor: Yes</p>	<p>PR-WP-412:</p> <p>4x1+1 4K60 HDMI Windowing Processor</p> <p>Inputs: HDMI</p> <p>Outputs: HDMI</p> <p>Audio Out: Yes</p> <p>Integrated Control Processor: No</p>

AT-A-GLANCE

Full HD Encoders, Decoders, Windowing Processors



FULL HD	FULL HD	FULL HD
1 1000 Series	2 2000 Series	3 3000 Series
Encoders: N1122A Encoder – Box type N1122A-C Encoder – Card type N1133A Encoder – Box type N1133A-C Encoder – Card type N1115 WP Encoder – wall-plate Input: 1x HDMI, 1x VGA Local Monitor: No AES-67 Audio: Yes Decoders: N1222A Decoder – Box type N1222A-C Decoder – Card type N1233A Decoder – Box type N1233A-C Decoder – Card type Output: 1x HDMI Windowing Processor: NMX-WP-1512	Encoders: N2122A Encoder – Box type N2122A-C Encoder – Card type N2135A Encoder – Box type N2135A-C Encoder – Card type Input: 1x HDMI, 1x VGA Local Monitor: 1x HDMI AES-67 Audio: Yes Decoders: N2222A Decoder – Box type N2222A-C Decoder – Card type N2235A Decoder – Box type N2235A-C Decoder – Card type Output: 1x HDMI Windowing Processor: NMX-WP-N2510	Encoders: N3132 Encoder – Box type N3132C Encoder – Card type Input: 1x HDMI, 1x VGA Local Monitor: 1x HDMI AES-67 Audio: No Decoders: N3232 Decoder – Box type N3232-C Decoder – Card type Output: 1x HDMI Windowing Processor: NMX-WP-N3510

AT-A-GLANCE

4K Encoders, Decoders, Windowing Processors



4K30	4K60
1 2300 Series	2 2400 Series
<p>Encoders:</p> <p>N2312 Encoder – Box type</p> <p>N2312-C Encoder – Card type</p> <p>N2315 WP Encoder – wall-plate</p> <p>Input: 1x HDMI, 1x VGA</p> <p>Local Monitor: 1xHDMI</p> <p>AES-67 Audio: No</p> <p>Decoders:</p> <p>N2322 Decoder – Box type</p> <p>Output: 1x HDMI</p> <p>Windowing Processor: No</p>	<p>Encoders:</p> <p>N2412A Encoder – Box type</p> <p>N21412A-C Encoder – Card type</p> <p>Input: 1x HDMI, 1x VGA</p> <p>Local Monitor: 1x HDMI</p> <p>AES-67 Audio: Yes</p> <p>Decoders:</p> <p>N2422A Decoder – Box type</p> <p>Output: 1x HDMI</p> <p>Windowing Processor:</p> <p>NMX-WP-N2510</p>



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VPX-140I



VPX-170I



Features

- **4K60 4:4:4** Perfect pixel-for-pixel experience video reproduction of 4K60 source video with full 4:4:4 color space
- **HDCP 2.2** Supports the latest source devices
- **Mirrored HDBaseT Output** Provides simultaneous support to the local HDMI output and to compatible receiving devices
- **Scaling** Automatic scaling converts signals up or down to match the display resolution
- **Front Panel Control** Simple push-button switching
- **Audio Output Extraction** Directly connect to powered speakers for room or pod sound reinforcement
- **Web Configuration** Provides simple user interface for setup and configuration
- **Open Control API** IP controllable by any control system even directly by Zoom rooms

SINGLE OUTPUT SWITCHER

VPX

VPX-140I

4x1 4K60 Switcher

Inputs: VGA, HDMI

Outputs: HDMI, DXLink

Audio Out: Yes

VPX-170I

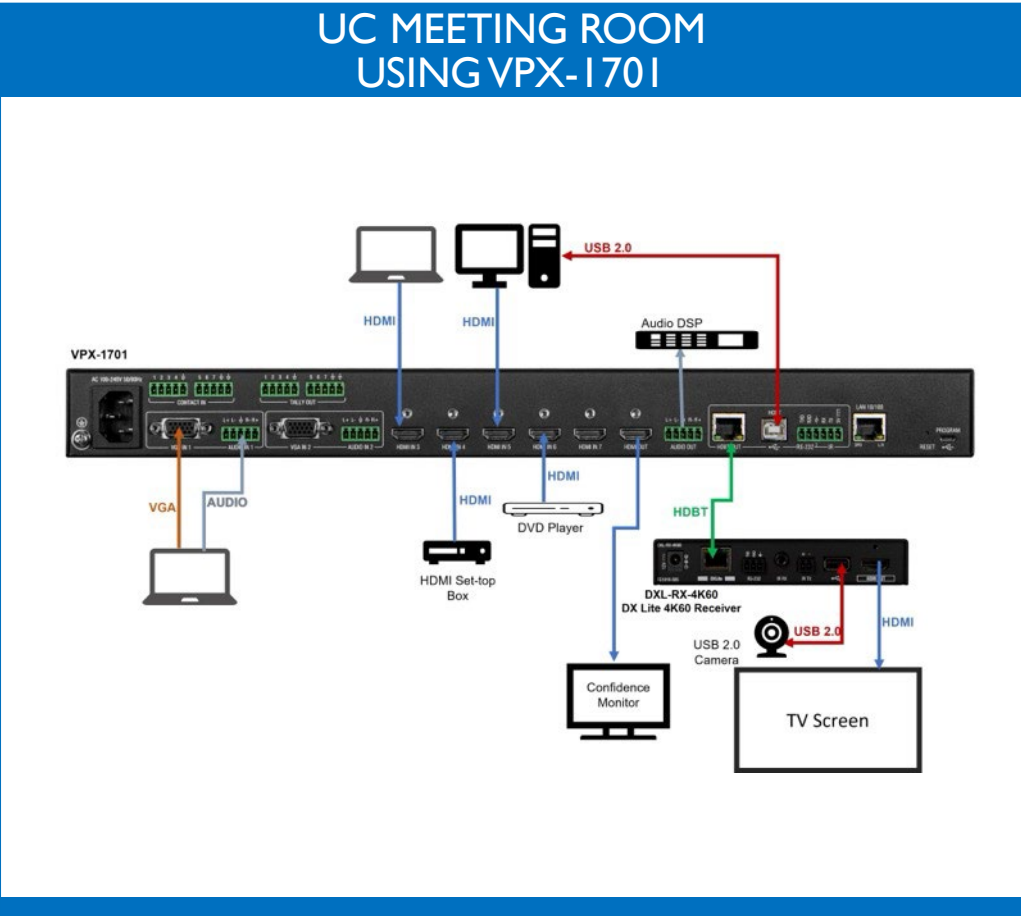
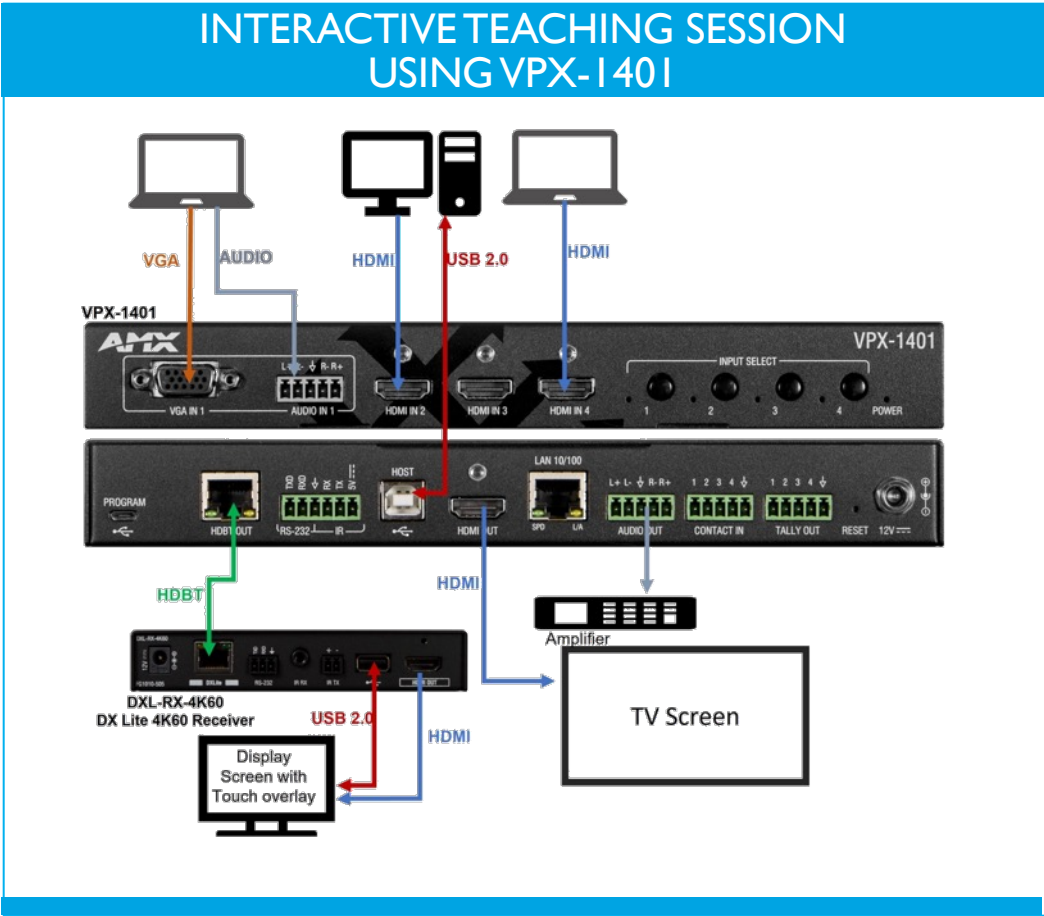
7x1 4K60 Switcher

Inputs: VGA, HDMI

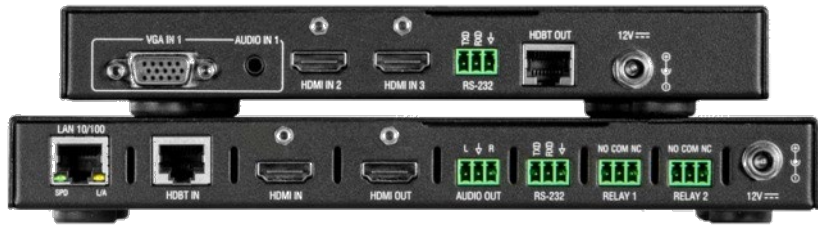
Outputs: HDMI, DX-Link

Audio Out: Yes

CONNECTION DIAGRAMS



CTP-130I



Transmitter

Receiver

CTP-130I FEATURES

- **Inputs (TX)** – Transmitter includes 2x HDMI and 1x VGA inputs
- **Outputs(RX)** – Receiver includes 1x HDMI input and scaled HDMI output
- **Distance Transport** – Eliminates the need for additional cable extenders by connecting the TX and RX with a single category cable
- **Simplified Room Control** – Control the display or projector and a screen from built-in control ports on the RX; transmitter and receiver connect via a single category cable
- **4K30 4:4:4 Support** – 4K source devices and displays support

CTC-I402



CTC-I402 FEATURES

- **HDMI, DP,VGA, and USB-C* Inputs (TX)** - Supports common laptop video connectors at the table
- **HDMI Inputs (RX)** – Switch to a room PC located near the display
- **USB Switching** – Allows room USB devices at the table or near the display to be dynamically shared between visiting and permanent computing devices without having to disconnect/reconnect
- **Simplified Room Control** – Control the display or projector and a screen from built-in control ports on the RX
- **4K60 4:4:4 Support** – Future-proof for 4K source devices and displays

SINGLE OUTPUT SWITCHER

I

CT Series

CTP-130I:

4xI 4K30 TxRx Kit

Inputs:VGA, HDMI

Output (Rx): HDMI

Audio Out:Yes

CTC-I402:

Multi-inputs with USB and USB-C TxRx Kit

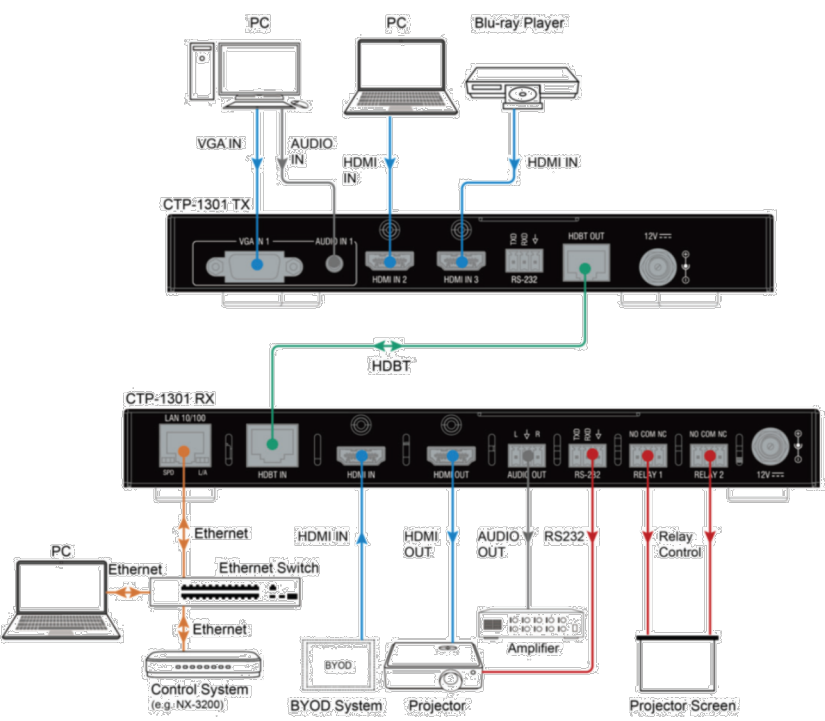
Inputs (Tx and Rx): VGA, HDMI, DP, USB, USB-C

Outputs (Rx): HDMI, USB

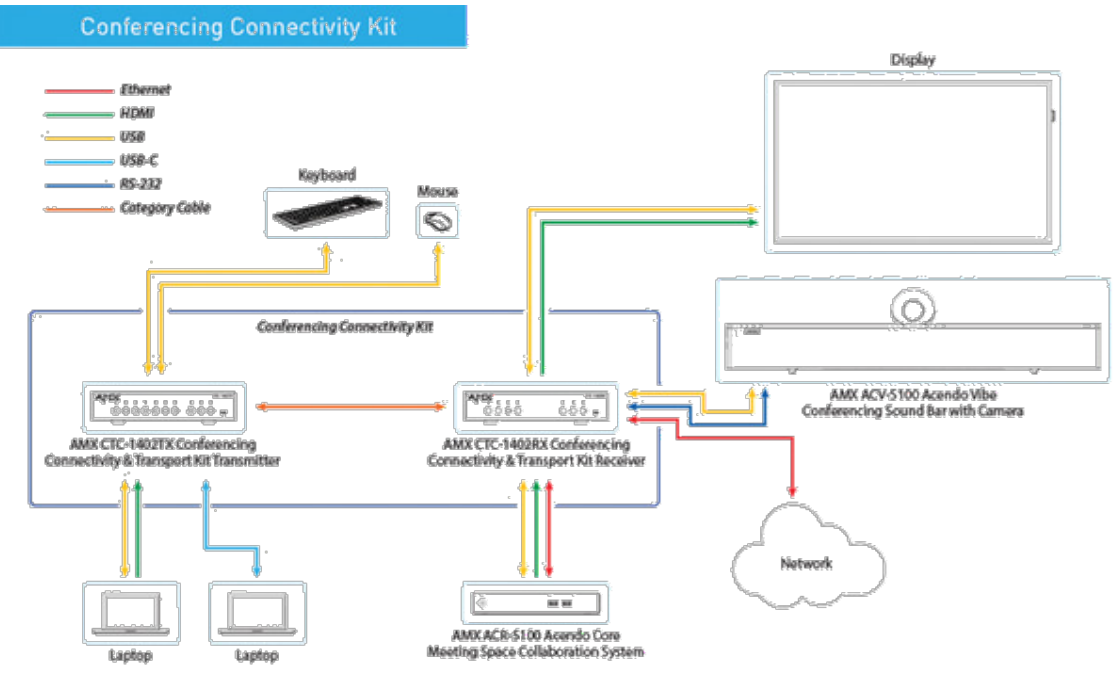
Audio Out:Yes

CONNECTION DIAGRAMS

TRADITIONAL CLASSROOM ENVIRONMENT
USING CTP-1301



“BRING-YOUR-OWN-MEETING”
USING CTC-1402





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MATRIX SWITCHER

PRECIS

- PR-0402** - 4x2 4K60 HDMI Switcher
- PR-0404** - 4x4 4K60 HDMI Switcher
- PR-0602** - 6x2 4K60 HDMI Switcher
- PR-0808** - 8x8 4K60 HDMI Switcher

Inputs: HDMI

Outputs: HDMI

Audio Out: Yes

Integrated Control Processor: No

PR01-0808 - 8x8+4 4K60 HDMI Switcher

Inputs: HDMI

Outputs: 8xHDMI + 4xHDBT

Audio Out: Yes

Integrated Control Processor: No

PR Series



PR-0402 - 4x2 4K60 HDMI Switcher

PR-0404 - 4x4 4K60 HDMI Switcher

PR-0602 - 6x2 4K60 HDMI Switcher

PR-0808 - 8x8 4K60 HDMI Switcher

PR01 Series



PR01-0808 - 8x8+4 4K60 HDMI Switcher

PR01-RX - Precis PR01 HDBaseT Receiver



Key Features:

- Perfect HDMI 2.0 4K60 4:4:4 Video - Ideal for users that can benefit from processing the full fidelity of their displays
- High Dynamic Range (HDR) and Deep Color Support - Support for HDR10+, 36-bit per pixel Deep Color, and Dolby® Vision
- HDCP 2.2 - Supports the latest video standards to realize the full capabilities of HDMI interfaces.
- EDID Management - Provides comprehensive management of EDID to ensure that every source is displayed at the optimal resolution and format.
- Audio de-embedding - Includes the convenience of analog audio de-embedding from each HDMI output separately

Physical:

- 4 HDMI Inputs
- 2 HDMI Outputs
- 2 Analog Stereo Audio Outputs
- 1 Ethernet Port
- 1 Serial Port
- 1 USB Program Port
- 12V DC Power
- Front Panel Buttons

MATRIX SWITCHER

PRECIS

PR-0402

4x2 4K60 HDMI Switcher

Inputs: HDMI

Outputs: HDMI

Audio Out: Yes

Integrated Control Processor: No

MATRIX SWITCHER

PRECIS

PR-0404

4x4 4K60 HDMI Switcher

Inputs: HDMI

Outputs: HDMI

Audio Out: Yes

Integrated Control Processor: No



Key Features:

- Perfect HDMI 2.0 4K60 4:4:4 Video - Ideal for users that can benefit from processing the full fidelity of their displays
- High Dynamic Range (HDR) and Deep Color Support - Support for HDR10+, 36-bit per pixel Deep Color, and Dolby® Vision
- HDCP 2.2 - Supports the latest video standards to realize the full capabilities of HDMI interfaces
- EDID Management - Provides comprehensive management of EDID to ensure that every source is displayed at the optimal resolution and format
- Audio de-embedding - Includes the convenience of analog audio de-embedding from each HDMI output separately

Physical:

- 4 HDMI inputs
- 4 HDMI outputs
- 4 Analog Stereo Audio Outputs
- 1 Ethernet port
- 1 Serial Port
- 1 USB program port
- 12V DC power
- Front-panel buttons



MATRIX SWITCHER

PRECIS

PR-0602

6x2 4K60 HDMI Switcher

Inputs: HDMI

Outputs: HDMI

Audio Out: Yes

Integrated Control Processor: No

Key Features:

- Perfect HDMI 2.0 4K60 4:4:4 Video - Ideal for users that can benefit from processing the full fidelity of their displays
- High Dynamic Range (HDR) and Deep Color Support - Support for HDR10+, 36-bit per pixel Deep Color, and Dolby® Vision
- HDCP 2.2 - Supports the latest video standards to realize the full capabilities of HDMI interfaces
- EDID Management - Provides comprehensive management of EDID to ensure that every source is displayed at the optimal resolution and format
- Audio De-Embedding - Includes the convenience of analogue audio de-embedding from each HDMI output separately

Physical:

- 6 HDMI inputs
- 2 HDMI outputs
- 2 Analog Stereo audio outputs
- 1 Ethernet port
- 1 Serial port
- 1 USB Program port
- 12V DC power
- Front panel buttons

MATRIX SWITCHER

PRECIS

PR-0808

8x8 4K60 HDMI Switcher

Inputs: HDMI

Outputs: HDMI

Audio Out: Yes

Integrated Control Processor: No



Key Features:

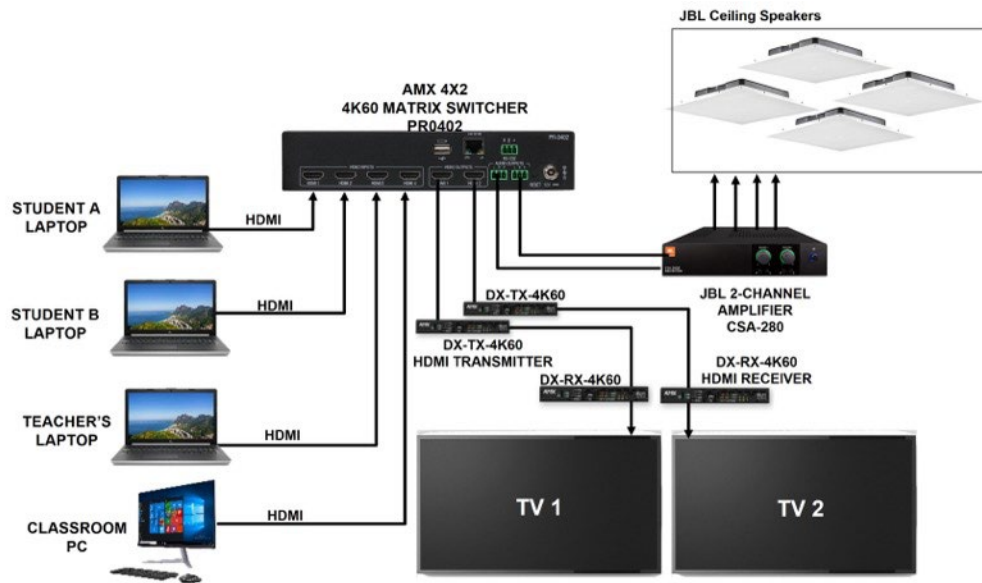
- HDMI 2.0 4K60 4:4:4 Video - Ideal for users that can benefit from processing the full fidelity of their displays
- High Dynamic Range (HDR) and Deep Color Support - Support for HDR10+, 36-bit per pixel Deep Color, and Dolby® Vision
- HDCP 2.2 - Supports the latest video standards to realize the full capabilities of HDMI interfaces
- EDID Management - Provides comprehensive management of EDID to ensure that every source is displayed at the optimal resolution and format
- Audio De-Embedding - Includes the convenience of analogue audio de-embedding from each HDMI output separately

Physical:

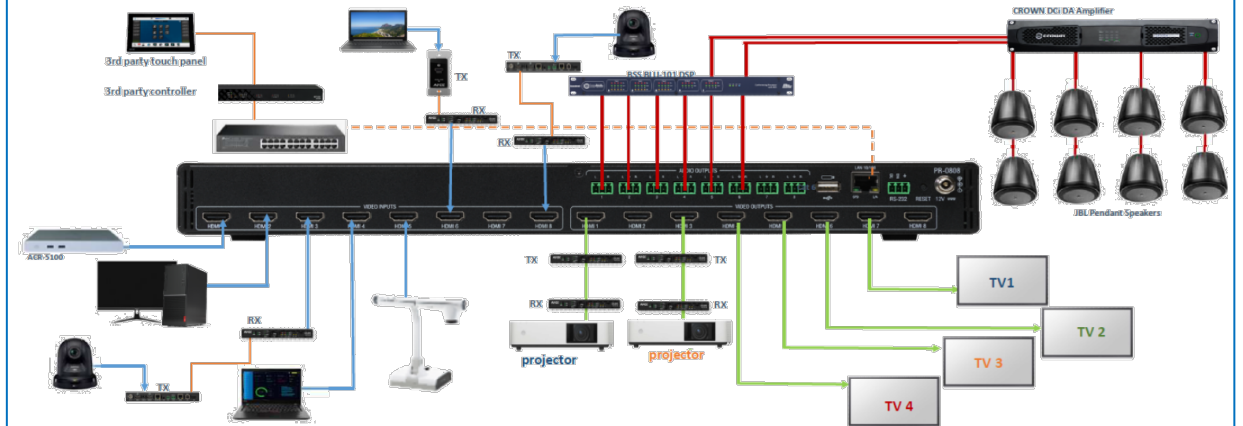
- 8 HDMI inputs
- 8 HDMI outputs
- 8 Analog Stereo audio outputs
- 1 Ethernet port
- 1 Serial port
- 1 USB program port
- 12V DC power
- Front panel buttons

CONNECTION DIAGRAMS

DUAL-SCREEN BRIEFING AREA/MEETING SPACE USING PR-0402



OPERABLE ROOMS / COMBINABLE ROOMS USING PR-0808



MATRIX SWITCHER

PRECIS

PR01-0808

8x8+4 4K60 HDMI Switcher

Inputs: HDMI

Outputs: HDMI, DXLink

Audio Out: Yes

Integrated Control Processor: No



Features:

- 4K60 4:4:4 with HDCP 2.2 – Supports latest source and display resolutions
- 8x HDMI inputs and outputs
- HDBaseT Outputs – Four of the eight HDMI outputs also support HDBaseT, which is useful for distances runs. Connect the output to the Precis HDBaseT RX or directly to a display or projector that supports standard HDBaseT
- Easy Deployment – Fixed configuration provides a switching solution that is cost-effective and easy to specify, procure and install
- Audio de-embedding – 8 independent audio output ports.



PR01-RX:

- For use with the Precis PR01-0808 8x8 4K60 HDMI Matrix Switcher only.
- Scaling – Auto scaling converts signals up or down to match the resolution of the display.
- Support for 4K and Non-4K – Sources are automatically down-scaled to display lower resolutions without having to manipulate source device content.
- HDBaseT Support – Uses the global standard for transmission of ultra-HD A/V, Ethernet, controls, USB and up to 100W of power over a single, long-distance cable.

DGX800



DGX1600



DGX3200



DGX6400



Enova DGX is a modular solutions platform with a built-in NX Integrated Control Processor for distributing up to 4K and UHD video and/or audio content across an enterprise network.

Key Features

- **HDMI/ HDCP Switching** – End-to-end distribution of HDMI/HDCP without interruption or key constraints using InstaGate Pro® Technology
- **Flexibility** – Available in the following matrix switch sizes/enclosures: 8x8; 16x16; 32x32; and 64x64, the number of connections can be populated with Enova DGX video input and output boards, up to the maximum number of inputs and outputs that the chassis can support (8x8, 16x16, 32x32, or 64x64). There are four connections per video board, and each enclosure holds two video input boards and two video output boards
- **HDCP Compliance Over Fiber** – Compatible DXLink Fiber boards transmit uncompressed video, including HDCP protected content, up to 10 Km at 10 Gbps (single mode fiber options transmit 10 Km, multimode 300 m)
- **Embedded NetLinx NX Integrated Control Processor** – Allows any connected device to be managed, monitored or controlled
- **Automatic Setup of DXLink Endpoints** – Simplified installation by auto-discovering DXLink devices when they are connected to DGX InstaGate Pro Technology – easily integrate HDCP into system designs and enjoy hassle-free matrix switching to all compliant displays. No tools, no delays, and no key constraints – it just works
- **SmartScale Technology** – Automatically responds to the display's declared EDID information and scales the video to the best resolution and video parameters for that display without manual setup; this prevents inferior video quality when sources are forced to lower resolutions to support the least capable display in the system

MATRIX SWITCHER

DGX

DGX Enclosure Configuration:

DGX800: 8x8 in/out max

DGX1600: 16x16 in/out max

DGX3200: 32x32 in/out max

DGX6400: 64x64 in/out max

Input Boards format:

4K60. HDMI, DX-Link, Fiber - 4x input source per board

Output Boards format:

4K60. HDMI, DX-Link, Fiber - 4x output source per board

Audio Board:

Audio Switching Board.

Audio Insert/Extract Board.

Integrated Controls Processor: Yes (via LAN only)

Input Boards Models:

MATRIX SWITCHER

DGX

DGX Enclosure Configuration:

DGX800: 8x8 in/out max

DGX1600: 16x16 in/out max

DGX3200: 32x32 in/out max

DGX6400: 64x64 in/out max

Input Boards format:

4K60. HDMI, DX-Link, Fiber - 4x input source per board

Output Boards format:

4K60. HDMI, DX-Link, Fiber - 4x output source per board

Audio Board:

Audio Switching Board

Audio Insert/Extract Board

Integrated Controls Processor: Yes (via LAN only)



DGX-I-HDMI - Enova® DGX HDMI Input Board

DGX-I-HDMI-4K - Enova® DGX 4K HDMI Input Board

DGX-I-HDMI-4K60 - Enova® DGX 4K60 4:4:4 HDMI Input Board

DGX-I-DXL - Enova® DGX DXLink™ Twisted Pair Input Board

DGX-I-DXL-4K - Enova® DGX DXLink™ Twisted Pair 4K Input Board

DGX-I-DXL-4K60 - Enova DGX DXLink 4K60 Twisted Pair Input Board



DGX-I-DXF-SMS - Enova® DGX DXLink™ Single Mode Fiber Input Board, Simplex

DGX-I-DXF-SMD - Enova® DGX DXLink™ Single Mode Fiber Input Board, Duplex

DGX-I-DXF-MMS - Enova® DGX DXLink™ Multimode Fiber Input Board, Simplex

DGX-I-DXF-MMD - Enova® DGX DXLink™ Multimode Fiber Input Board, Duplex

DGX-I-DXFP-4K60 - Enova® DGX DXLink™ 4K60 Fiber Input Board



Output Board Models:



DGX-O-HDMI - Enova® DGX HDMI Output Board

DGX-O-HDMI-4K60 - Enova® DGX 4K60 4:4:4 HDMI Input Board

DGX-O-DXL - Enova® DGX DXLink™ Twisted Pair Output Board

DGX-O-DXL-4K - Enova® DGX DXLink™ Twisted Pair 4K Output Board

DGX-O-DXL-4K60 - Enova DGX DXLink 4K60 Twisted Pair Output Board



DGX-O-DXF-SMS - Enova® DGX DXLink™ Single Mode Fiber Output Board, Simplex

DGX-O-DXF-SMD - Enova® DGX DXLink™ Single Mode Fiber Output Board, Duplex

DGX-O-DXF-MMS - Enova® DGX DXLink™ Multimode Fiber Output Board, Simplex

DGX-O-DXF-MMD - Enova® DGX DXLink™ Multimode Fiber Output Board, Duplex

DGX-O-DXFP-4K60 - Enova® DGX DXLink™ 4K60 Fiber Output Board

MATRIX SWITCHER

DGX

DGX Enclosure Configuration:

DGX800: 8x8 in/out max

DGX1600: 16x16 in/out max

DGX3200: 32x32 in/out max

DGX6400: 64x64 in/out max

Input Boards format:

4K60. HDMI, DX-Link, Fiber - 4x input source per board

Output Boards format:

4K60. HDMI, DX-Link, Fiber - 4x output source per board

Audio Board:

Audio Switching Board

Audio Insert/Extract Board

Integrated Controls Processor: Yes
(via LAN only)

MATRIX SWITCHER

DGX

DGX Enclosure Configuration:

DGX800: 8x8 in/out max

DGX1600: 16x16 in/out max

DGX3200: 32x32 in/out max

DGX6400: 64x64 in/out max

Input Boards format:

4K60. HDMI, DX-Link, Fiber - 4x input source per board

Output Boards format:

4K60. HDMI, DX-Link, Fiber - 4x output source per board

Audio Board:

Audio Switching Board

Audio Insert/Extract Board

Integrated Controls Processor: Yes
(via LAN only)

Audio Board Models:

DGX-AIE

Enova® DGX Audio Insert / Extract Board

Features:

De-embed Audio – Breakaway embedded audio from Enova DGX inputs and send to a separate audio system to distribute throughout an environment

Embed Audio – Insert local analog audio into pre-switched digital video paths or post switched digital audio paths depending on audio insert/extract board location

Individually Configurable – Each audio access point can be individually configured for insertion or extraction functionality 12

DGX800-1600-ASB

Audio Switching Board Kit For Enova DGX 800/1600

Features:

Input and Output board included - a pair of audio switching boards that include both an Input and an Output board for the Enova DGX 800 and 1600.

The Audio Switching Boards are only sold in pairs and must be used together

Multiple audio DSP capabilities - The boards enable a host of audio switching capabilities including Audio Breakaway and Downmixing. DSP functionality includes a 10 Band Parametric EQ on every output which allows audio tuning for each specific environment based on its acoustics

DGX3200-ASB

Audio Switching Board Kit For Enova DGX 3200

Features:

Input and Output board included - a pair of audio switching boards that include both an Input and an Output board for the Enova DGX 3200. The Audio Switching Boards are only sold in pairs and must be used together

Multiple audio DSP capabilities - The boards enable a host of audio switching capabilities including Audio Breakaway and Downmixing. DSP functionality includes a 10 Band Parametric EQ on every output which allows audio tuning for each specific environment based on its acoustics

DGX6400-ASB

Audio Switching Board Kit For Enova DGX 6400

Features:

Input and Output board included - a pair of audio switching boards that include two Input and two Output board for the Enova DGX 6400. The Audio Switching Boards are only sold in pairs and must be used together

Multiple audio DSP capabilities - The boards enable a host of audio switching capabilities including Audio Breakaway and Downmixing. DSP functionality includes a 10 Band Parametric EQ on every output which allows audio tuning for each specific environment based on its acoustics



Audio Boards Models - Dante:

DGX3200-ASB-DAN

Enova DGX Dante Audio Switching Board Kit for 800/1600/3200

The DGX3200-ASB-DAN is an audio switching board kit featuring direct Dante networked audio feeds to and from the Enova DGX 800/1600/3200 enclosures. The boards support 8 discrete stereo decoded inputs and 8 discrete stereo encoded outputs. This allows for independent routing of decoded inputs, or breakaway to decoded audio outputs, into a networked audio system such as HARMAN's BSS. Additionally, the kits feature audio breakaway, downmixing, and a host of DSP functionality such as EQ, volume control, and stereo summing on every path.

DGX6400-ASB-DAN

Enova DGX Dante Audio Switching Board Kit for 6400

The DGX6400-ASB-DAN is an audio switching board kit featuring direct Dante networked audio feeds to and from the Enova DGX 6400 enclosure. The boards support 16 discrete stereo decoded inputs and 16 discrete stereo encoded outputs. This allows for independent routing of decoded inputs, or breakaway to decoded audio outputs, into a networked audio system such as HARMAN's BSS. Additionally, the kits feature audio breakaway, downmixing, and a host of DSP functionality such as EQ, volume control, and stereo summing on every path.

MATRIX SWITCHER

DGX

DGX Enclosure Configuration:

DGX800: 8x8 in/out max

DGX1600: 16x16 in/out max

DGX3200: 32x32 in/out max

DGX6400: 64x64 in/out max

Input Boards format:

4K60, HDMI, DX-Link, Fiber - 4x input source per board

Output Boards format:

4K60, HDMI, DX-Link, Fiber - 4x output source per board

Audio Board:

Audio Switching Board

Audio Insert/Extract Board

Integrated Controls Processor: Yes (via LAN only)

ALL-IN-ONE SYSTEM

DVX 4K60

DVX-2265-4K:

6x2 4K60 Video Switching

Inputs: 4x HDMI, 2x DX-Link

Outputs: 2x HDMI, 1x DX-Link (Mirrored port)

DVX-3266-4K:

8x4 4K60 Video Switching

Inputs: 4x HDMI, 4x DX-Link

Outputs: 4x HDMI, 2x DX-Link (Mirrored port)

Dante Audio: Yes

Analog Audio :Yes

Mic input: Yes

Amplifier output: Yes, 120W per channel

Integrated Control Processor: Yes

DVX-2265-4K (6x2 Switcher)



DVX-3266-4K (8x4 Switcher)



Audio: 6 Analog Mic In | 2 Analog Stereo Audio In | 8 Dante Channel In and Out | 1 Amp Output, 120W (8-Ohm and 70/100V) | 2 Analog Stereo Audio Out

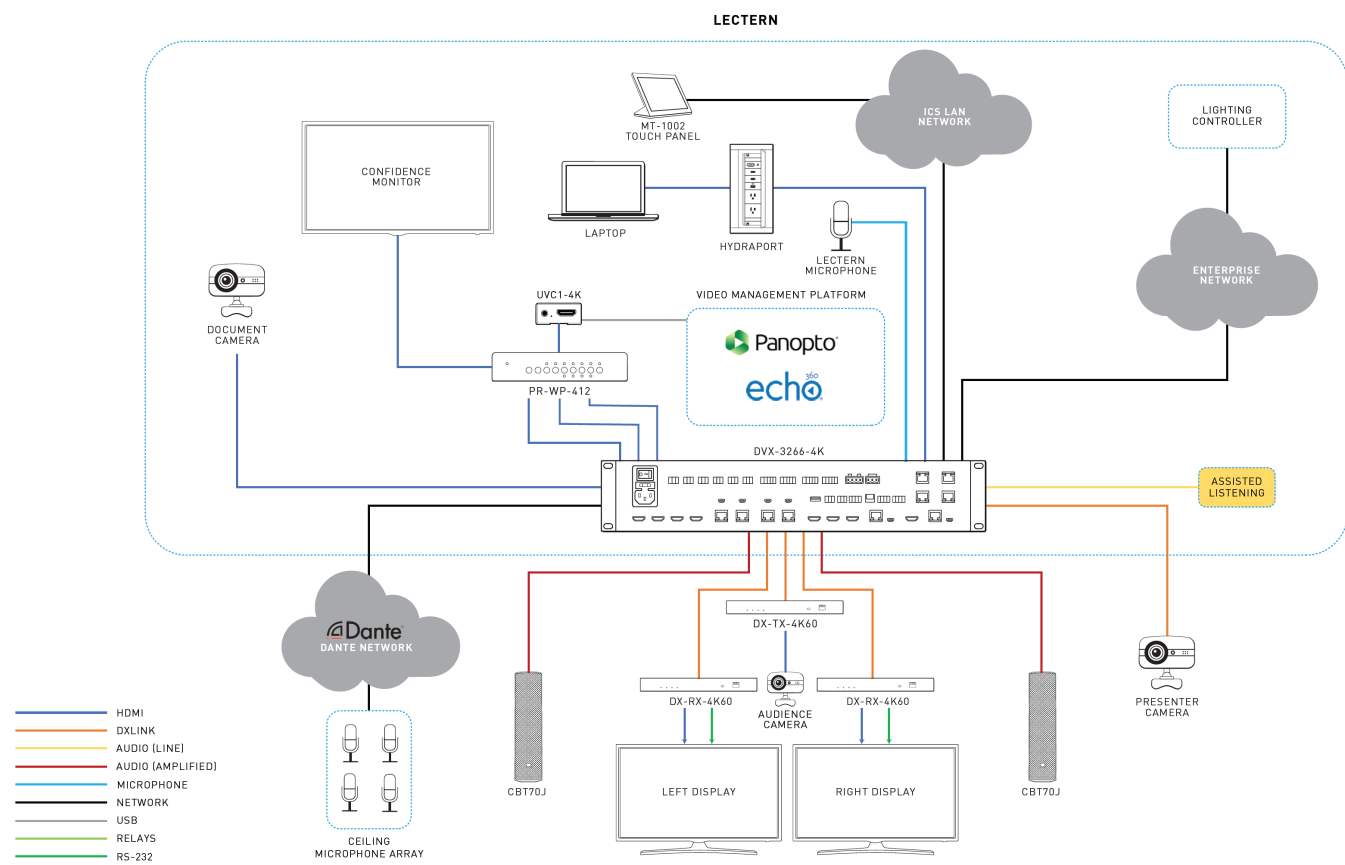
Control: 2 Serial | 2 IR | 2 Relay | 2 I/O | 1 Ethernet | 1 ICSLan

Features

- **4K60 4:4:4 Support – HDMI 2.0 and HDCP 2.2 Support – HDR – Scaled Outputs** – Supports the highest possible video quality over HDMI and category cable
- **High Dynamic Range (HDR) and Deep Color Support** – Support for HDR10 and 36-bit Deep Color
- **Simple Configuration and Support** – Mobile-friendly HTML5 Web Interface with built-in status and troubleshooting features alleviates the need for proprietary configuration software
- **Dante Audio** – 8 input channels and 8 output channels of IP audio
- **Crown DriveCore Amplifier** – 120W per channel stereo at 4/8 ohms 120W mono at 70/100 Volt
- **USB 2.0** – High-speed USB 2.0 data from devices like web cameras and storage devices are transmitted without the need for separate cables
- **All-In-One Device** – Controller, matrix switcher, video scaler, audio signal processor, amplifier, plus twisted pair distribution - all in a space-saving 2U chassis
- **BSS Audio Processing** – Includes an integrated digital signal processor with advanced capabilities like independent 10-band parametric EQ, independent input gain adjustments and variable compression, allowing for precision tuning to match unique source and room attributes
- **Audio Matrix Switching** – Four independently switched and processed audio paths provide four unique volume, EQ, ducking and mixing configurations for perfectly tuned room audio as well as integration with audio/video conferencing, induction loop systems, voice re-enforcement speakers and audio recording devices
- **Enhanced Microphone Processing** – Independent 3-band parametric EQ, compression, gating, auto-ducking, and limiting on each microphone input ensures crystal clear communication.

CONNECTION DIAGRAM

HYBRID LEARNING ENVIRONMENT
USING DVX-3266-4K with PR-WP-412



WINDOW PROCESSOR

Precis Series

PR-WP-412:

4x1+1 4K60 HDMI Windowing Processor

Inputs: HDMI

Outputs: HDMI

Audio Out: Yes

Integrated Control Processor: No

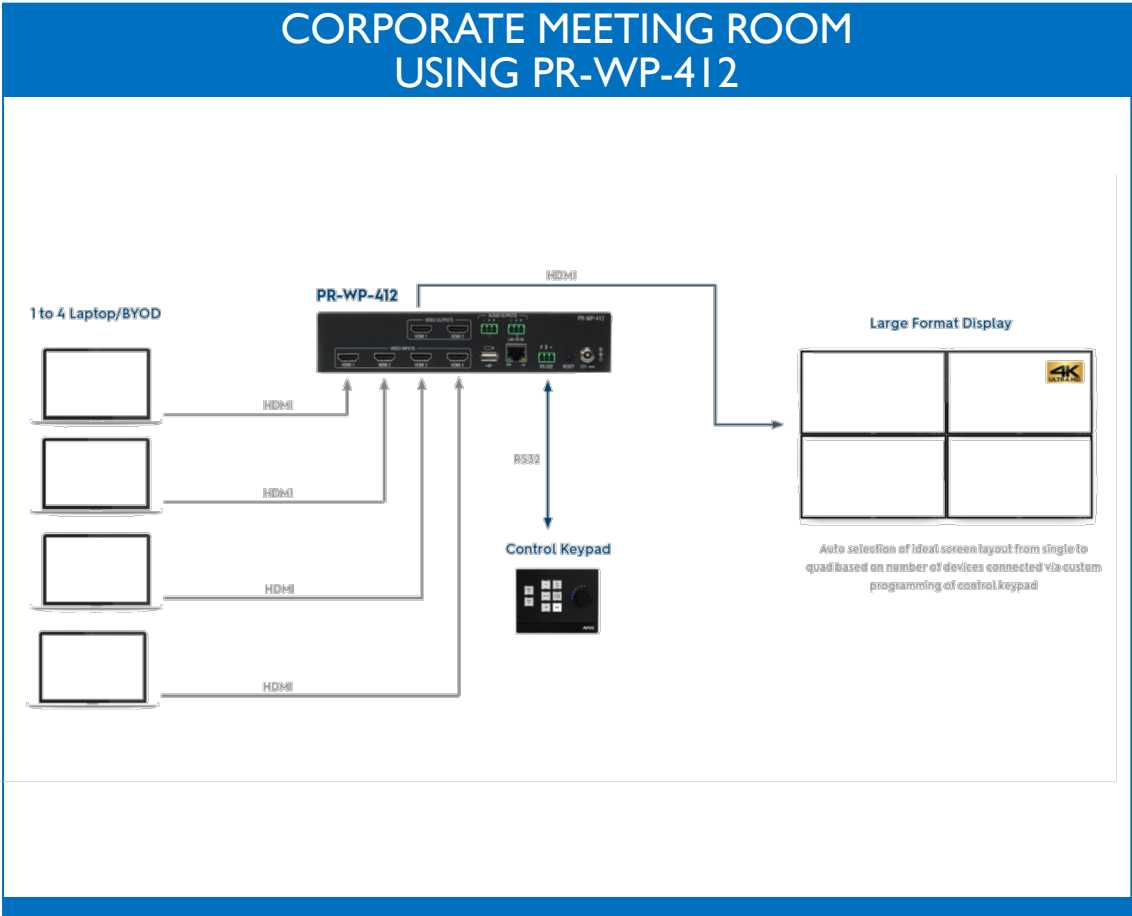
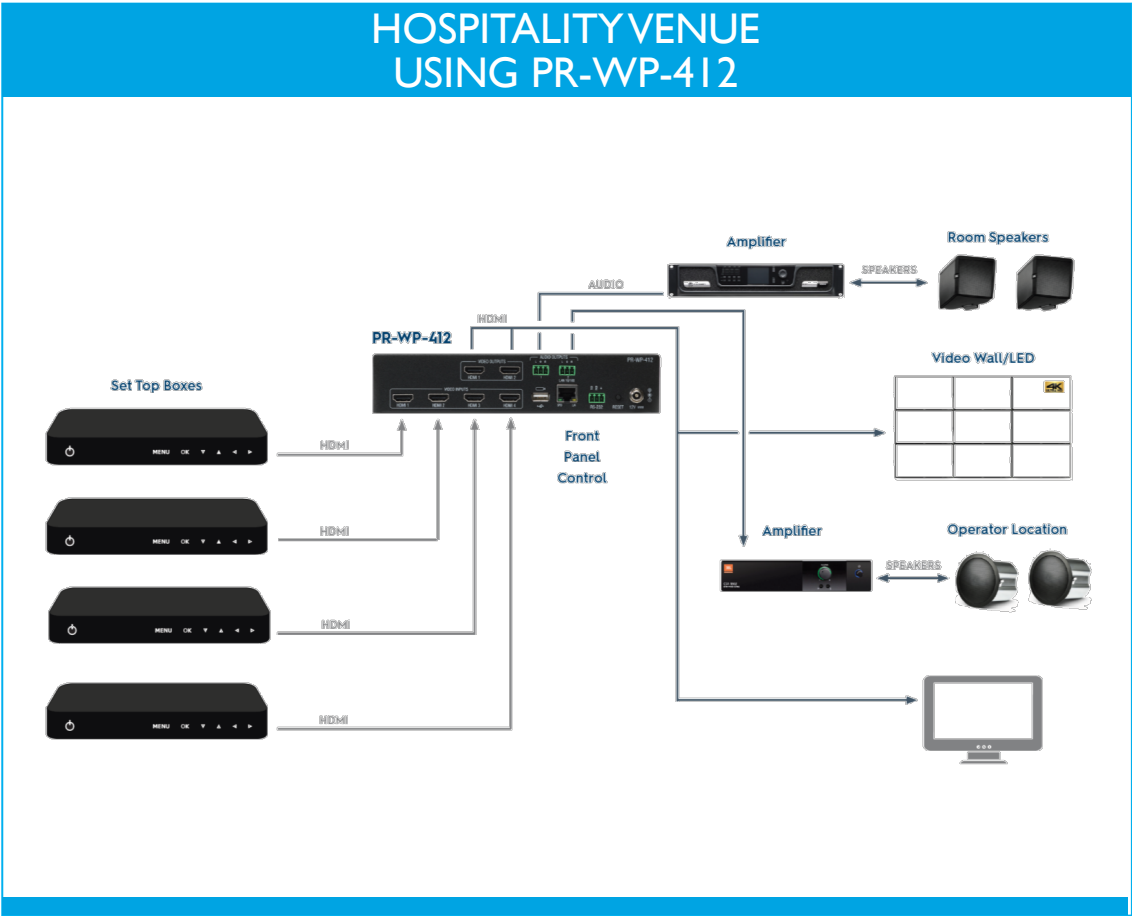


The PR-WP-412 is an incredibly versatile and powerful AV solution that is both a fully featured 4x1+1 windowing processor with mirrored outputs and a 4x2 seamless matrix switcher.

Features

- **Perfect HDMI 2.0 4K60 4:4:4 Video** - Ideal for users running critical viewing applications such as casinos and courtrooms that can benefit from processing the full fidelity of their displays
- **High Dynamic Range (HDR) Support** – Support for HDR10 in Matrix Mode
- **HDCP 2.2** - Supports the latest video standards to realize the full capabilities of HDMI interfaces
- **Multi-windowing Processing** - Up to four simultaneous, freely scalable windows can be processed using the 4x1+1 multi-windowing mode
- **Seamless Switching** - Ensures uninterrupted screen transitions during source selections when switching in 4x2 matrix mode
- **Audio Pass-Through & De-Embedding** – Empowers independent audio source selection and routing to HDMI outputs in all modes
- **H-Control Upgradable** – Ready to support H-control in the future by firmware re-writing via USB
- **Multiple Control Options** – Multiple control options are available including: open API Control over IP and Serial, full Web GUI console, and front panel buttons

CONNECTION DIAGRAMS





About AMX

At-a-glance: Quick Specs

1 Single-Output Switchers

2 Matrix Switchers & Windowing Processor

3 Transmitters and Receivers

4 Network AV – SVSI Encoders / Decoders / Windowing Processors

5 Controllers

6 Touch Panels and Room Booking Panels

7 Buttons Panels

8 Cable Management

9 EDID Management, Scaling, & Capture



DX-TX-DWP-4K

DXLink 4K HDMI Decor style wall plate transmitter

Available Colors: Black, White

Designed for use with: DX-RX-4K

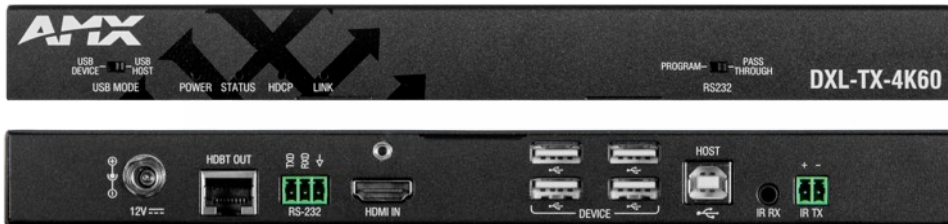


DX-TX-4K60

DXLink 4K60 4:4:4 HDMI transmitter Module

Designed for use with: DGX-I-DXL-4K60, DVX-2265-4K, DVX-3266-4K, DX-RX-4K60

Additional Feature: Built-in USB 2.0 transmitter - High-speed USB 2.0 data from devices like web cameras and storage devices are transmitted without the need for separate cables



DXL-TX-4K60

DXLite 4K60 4:4:4 Transmitter

Designed for use with: DXL-RX-4K60

HDBT TRANSMITTERS

4K Series

DX-TX-DWP-4K

4K HDMI Wall plate transmitter

DX-TX-4K60

DXLink 4K60 4:4:4 HDMI and USB transmitter

DXL-TX-4K60

DXLite 4K60 4:4:4 transmitter

HDBT RECEIVERS

4K Series

DX-RX-4K

4K30 HDMI Receiver

DX-RX-4K60

DXLink 4K60 4:4:4 HDMI and USB Receiver

DXL-RX-4K60

DX-Lite 4K60 4:4:4 Receiver



DX-RX-4K

DXLink™ 4K HDMI Receiver Module

Designed for use with: DGX-O-DXL-4K, DX-TX-DWP-4K



DX-RX-4K60

DXLink 4K60 4:4:4 HDMI Receiver Module

Designed for use with: DGX-O-DXL-4K60, DVX-2265-4K, DVX-3266-4K, DX-TX-4K60



Additional Feature: Built-in USB 2.0 transmitter - High-speed USB 2.0 data from devices like web cameras and storage devices are transmitted without the need for separate cables



DXL-RX-4K60

DXLite 4K60 4:4:4 Receiver

Designed for use with: DXL-TX-4K60





DXF-TX-SMS

DXLink™ Multi-Format Single Mode Fiber Transmitter, Simplex

Inputs: VGA, HDMI



DXF-TX-MMS

DXLink™ Multi-Format Multi Mode Fiber Transmitter, Simplex

Inputs: VGA, HDMI



DXF-TX-SMD

DXLink™ Multi-Format Single Mode Fiber Transmitter, Duplex

Inputs: VGA, HDMI



DXF-TX-MMD

DXLink™ Multi-Format Multi Mode Fiber Transmitter, Duplex

Inputs: VGA, HDMI



DXFP-TX-4K60

DXLink™ 4K60 HDMI Fiber Transmitter

Inputs: HDMI

FIBER TRANSMITTERS

FHD & 4K Series

DXF-TX-SMS

FHD Multi-Format Single Mode Fiber Transmitter, Simplex

DXF-TX-SMD

FHD Multi-Format Single Mode Fiber Transmitter, Duplex

DXF-TX-MMS

FHD Multi-Format Multi Mode Fiber Transmitter, Simplex

DXF-TX-MMD

FHD Multi-Format Multi Mode Fiber Transmitter, Duplex

DXFP-TX-4K60

4K60 HDMI Fiber Transmitter

FIBER RECEIVERS

FHD & 4K Series

DXF-TRX-SMS

FHD HDMI Single Mode Fiber Receiver, Simplex

DXF-RX-SMD

FHD HDMI Single Mode Fiber Receiver, Duplex

DXF-RX-MMS

FHD HDMI Multi Mode Fiber Receiver, Simplex

DXF-RX-MMD

FHD HDMI Multi Mode Fiber Receiver, Duplex

DXFP-RX-4K60

4K60 HDMI Fiber Receiver



DXF-RX-SMS

DXLink™ HDMI Single Mode Fiber Receiver, Simplex



DXF-RX-MMS

DXLink™ HDMI Multi Mode Fiber Receiver, Simplex



DXF-RX-SMD

DXLink™ HDMI Single Mode Fiber Receiver, Duplex



DXF-RX-MMD

DXLink™ HDMI Multi Mode Fiber Receiver, Duplex



DXFP-RX-4K60

DXLink™ 4K60 HDMI Fiber Receiver



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 - 9 EDID Management, Scaling, & Capture
-

SVSI N1000 Series



FHD ENCODERS / DECODERS

SVSI 1000 Series

Encoders:

NI 122A Encoder – Box type

NI 122A-C Encoder – Card type

NI 133A Encoder – Box type

NI 133A-C Encoder – Card type

NI 115 WP Encoder – wall-plate

Input: 1x HDMI, 1x VGA

AES-67 Audio: Yes

Decoders:

NI 222A Decoder – Box type

NI 222A-C Decoder – Card type

NI 233A Decoder – Box type

NI 233A-C Decoder – Card type

Output: 1x HDMI

Windowing Processor:

NMX-WP-1512



N1000 SERIES ENCODERS

Model No.		N 1122 A	N 1122 A-C	N 1133 A	N 1133 A-C	N 1115 WP
Key Feature		KVM over IP - NO		KVM over IP - YES		
		AES 67 Audio	Card Module	AES 67 Audio	Card Module	Wall Plate
Video	Input	1 x VGA 1 x HDMI				
	Max Resolution	1920 x 1200				
	Latency	1 Frame (10ms @ 60fps)				
	Scaling	YES - Input & Output				
	Local Monitor	NO				
	SFP/Fiber Optic	NO		1 Gb SFP port		NO
Audio	Input	Embedded on HDMI, Stereo for VGA				
Control	RS 232/485	RS 232				
	IR	IR - YES				
	RJ 45	2 RJ 45 Ports		1 RJ 45 Ports		
KVM	USB	NO		2 x USB-A, 1 x USB Mini-B		1 x USB Mini
Device	POE	1 Port				
	Power supply	12v DC, 2 Amps				
	Weight	0.7 kg	—	0.7 kg	—	0.34 kg
	Size	2.67cm x 20.04cm x 14cm	—	2.67cm x 20.04cm x 14cm	—	10.31 cm x 8.84 cm x 5.72 cm

N1000 SERIES DECODERS

Model No.		N 1222 A	N 1222 A-C	N 1233 A	N 1233 A-C
Key Feature		KVM over IP - NO		KVM over IP - YES	
		AES 67 Audio	Card Module	AES 67 Audio	Card Module
Video	Output	1 x HDMI			
	Max Resolution	1920 x 1200			
	Latency	1 Frame (10ms @ 60fps)			
	Scaling	YES			
	SFP/Fiber Optic	NO		YES	
Audio	Output	Embedded on HDMI, Stereo for VGA			
Control	RS 232/485	RS 232			
	IR	IR - YES			
	RJ 45	2 RJ45 Ports		1 RJ45 Port	
KVM	USB	NO			
Device	POE	1 Port - POE			
	Power supply	12v DC, 2 Amps			
	Weight	0.7 kg	—	0.7 kg	—
	Size	2.67cm x 20.04cm x 14cm	—	2.67cm x 20.04cm x 14cm	—

SVSI N2000 Series



N2000 SERIES ENCODERS				
Model No.	N 2122 A	N 2122 A-C	N 2135 A	N 2135 A-C
Key Feature	Medium Latency, Digital Cinema Grade, KVM over IP - NO		1080p Low Latency, KVM over IP - YES	
	AES 67 Audio	Card Module	AES 67 Audio	Card Module
Video	Input	1 x VGA 1 x HDMI		
	Max Resolution	1920 x 1200		
	Latency	50 ms @ 720p60 140ms @ 1080p60		50ms @ 1080p60
	Scaling	YES - Input & Output		
	Local Monitor	1 x HDMI		
	SFP/Fiber Optic	NO		1 Gb SFP port
Audio	Input	Embedded on HDMI, Stereo for VGA		
Control	RS 232/485	RS 232		
	IR	IR - YES		
	RJ 45	2 RJ 45 Ports		1 RJ 45 Port
KVM	USB	NO		2 x USB-A, 1 x USB Mini-B
Device	POE	1 Port		
	Power supply	12v DC, 2 Amps		
	Weight	0.7 kg	—	0.7 kg
	Size	2.67cm x 20.04cm x 14cm	—	2.67cm x 20.04cm x 14cm



N2000 SERIES DECODERS				
Model No.	N 2222 A	N 2222 A-C	N 2235 A	N 2235 A-C
Key Feature	Digital Cinema Grade, KVM over IP - NO		1080p Low Latency, KVM over IP - YES	
	AES 67 Audio	Card Module	AES 67 Audio	Card Module
Video	Output	1 x HDMI		
	Max Resolution	1920 x 1200		
	Latency	50 ms @ 720p60 140ms @ 1080p60		50ms @ 1080p60
	Scaling	YES		
	SFP/Fiber Optic	NO		YES
	Audio	Embedded on HDMI, Stereo for VGA		
Control	RS 232/485	RS 232		
	IR	YES		
	RJ 45	2 RJ45 Port		1 RJ45
KVM	USB	NO		YES
Device	POE	1 Port		
	Power supply	12v DC		
	Weight	0.7 kg	—	0.7 kg
	Size	2.67cm x 20.04cm x 14cm	—	2.67cm x 20.04cm x 14cm



FHD ENCODERS / DECODERS

SVSI 2000 Series

Encoders:

N2122A Encoder – Box type

N2122A-C Encoder – Card type

N2135A Encoder – Box type

N2135A-C Encoder – Card type

Input: 1x HDMI, 1x VGA

AES-67 Audio: Yes

Decoders:

N2222A Decoder – Box type

N2222A-C Decoder – Card type

N2235A Decoder – Box type

N2235A-C Decoder – Card type

Output: 1x HDMI

Windowing Processor:

NMX-WP-N2510

FHD ENCODERS / DECODERS

SVSI 3000 Series

Encoders:

N3132 Encoder – Box type

N3132C Encoder – Card type

Input: 1x HDMI, 1x VGA

Local Monitor: 1x HDMI

AES-67 Audio: No

Decoders:

N3232 Decoder – Box type

N3232-C Decoder – Card type

Output: 1x HDMI

Windowing Processor:

NMX-WP-N3510

N3000 SERIES ENCODERS			
Model No.		N 3132	N 3132-C
Key Feature			
		End Point Recording	Card Module
Video	Input	1 x VGA 1 x HDMI	
	Max Resolution	1920 x 1200	
	Latency	175 ms @ 60 fps	
	Scaling	YES - Input & Output	
	Local Monitor	1 x HDMI	
	SFP/Fiber Optic	1 Gb SFP port	
Audio	Input	Embedded HDMI, Stereo VGA	
Control	RS 232/485	RS 232	
	IR	IR - YES	
	RJ 45	1 RJ 45 Port	
KVM	USB	1 x USB-A for Recording device	
Device	POE	1 Port	
	Power supply	12v DC, 2 Amps	
	Weight	0.7 kg	—
	Size	2.67 x 20.04 x 14 cm	—



N3000 SERIES DECODERS			
Model No.		N 3232	N 3232-C
Key Feature			
		End Point Recording	Card Module
Video	Output	1 x HDMI	
	Max Resolution	1080p	
	Latency	175 ms @ 60 fps	
	Scaling	YES	
	SFP/Fiber Optic	YES	
Audio	Output	Emb Analog Stereo	
Control	RS 232/485	RS 232	
	IR	YES	
	RJ 45	1 RJ45	
KVM	USB	USB for Record	
Device	POE	YES	
	Power supply	12v DC	
	Weight	0.7 kg	—
	Size	2.67 x 20.04 x 14 cm	—





SVSI 2300 Series

4K30 ENCODERS / DECODERS

N2300 SERIES ENCODERS				
Model No.		N 2312	N 2312 C	N 2315-WP
Key Feature		4K: 30 (4:2:0) Low Latency, KVM over IP - YES		
			Card Module	Wall Plate
Video	Input	1 x VGA 1 x HDMI		
	Max Resolution	4K:30 (4:2:0)		
	Latency	17ms @ 60fps 1080p 34ms @ 30fps 4K30		
	Scaling	YES		
	Local Monitor	1 X HDMI		
	SFP/Fiber Optic	YES		
Audio	Input	Embedded Analog		
Control	RS 232/485	RS 232		
	IR	IR - YES (in & out)		
	RJ 45	1 RJ45		
KVM	USB	1 x USB Mini-B		
Device	POE	YES		
	Power supply	12v DC, 2Amps		
	Weight	0.7 kg	0.34 kg	
	Size	2.67cm x 20.04cm x 14cm	10.31 x 8.84 x 5.72 cm	

N2300 SERIES DECODER		
Model No.		N 2322
Key Feature		4K: 30 (4:2:0) Low Latency, KVM over IP - YES
Video	Output	1 x HDMI
	Max Resolution	4 K : 30
	Latency	17ms @ 60fps 1080p 34ms @ 30fps 4K30
	Scaling	YES
	SFP/Fiber Optic	1 SFP
Audio	Output	Embedded Analog Stereo
Control	RS 232/485	RS 232
	IR	IR - YES (in & out)
	RJ 45	1 RJ45
KVM	USB	2 x USB-A
Device	POE	YES
	Power supply	12v DC, 2 Amps
	Weight	0.7 Kg
	Size	2.67cm x 20.04cm x 14cm

Encoders:
N2312 Encoder – Box type
N2312-C Encoder – Card type
N2315 WP Encoder – wall-plate
Input: 1x HDMI, 1x VGA
Local Monitor: 1xHDMI
AES-67 Audio: No

Decoders:
N2322 Decoder – Box type
Output: 1x HDMI

Windowing Processor: No.

4K60 ENCODERS / DECODERS

SVSI 2400 Series

Encoders:

N2412A Encoder – Box type

N21412A-C Encoder – Card type

Input: 1x HDMI, 1x VGA

Local Monitor: 1x HDMI

AES-67 Audio: Yes

Decoders:

N2422A Decoder – Box type

Output: 1x HDMI

Windowing Processor:

NMX-WP-N2510



N2400 SERIES ENCODERS				
Model No.		N 2412 A		N 2412 A-C
Key Feature		4K: 60 (4:4:4) Ultra Low Latency, KVM over IP - YES		
		AES 67 Audio		Card Module
Video	Input	1 x VGA 1 x HDMI		
	Max Resolution	4K: 60 (4:4:4)		
	Latency	2 frames		
	Scaling	YES		
	Local Monitor	1 X HDMI		
	SFP/Fiber Optic	YES		
Audio	Input	Embedded Analog AES67		
Control	RS 232/485	RS 232		
	IR	IR - YES (in & out)		
	RJ 45	1 RJ45		
KVM	USB	2 x USB-A, 1 x USB Mini-B		
Device	POE	YES (POE+)		
	Power supply	12v DC, 3Amps		
	Weight	0.7 kg	—	
	Size	2.67cm x 20.04cm x 14cm	—	



N2400 SERIES DECODERS		
Model No.		N 2422 A
Key Feature		4K: 60 (4:4:4) Ultra Low Latency, KVM over IP - YES
		AES 67 Audio
Video	Output	1 x HDMI
	Max Resolution	4 K : 60
	Latency	2 frames
	Scaling	YES
	SFP/Fiber Optic	1 SFP
	Audio	Embedded Analog AES67
Control	RS 232/485	RS 232
	IR	IR - YES (in & out)
	RJ 45	1 RJ45
KVM	USB	2 x USB-A, 1 x USB Mini-B
Device	POE	YES (POE+)
	Power supply	12v DC, 3 Amps
	Weight	0.7 Kg
	Size	2.67cm x 20.04cm x 14cm

SVSI WINDOWING PROCESSORS AND AUDIO TRANSCEIVERS



SVSI WINDOWING PROCESSORS

	FULL HD			4K60
Model No.	WP-N1512	WP-N2510	WP-N3510	WP-2410
Video In & Out	RJ45	RJ45	RJ45	RJ45
Local Monitor	NO	NO	1 x HDMI	NO
Min Input Resolution	Min 640x480 Max 1920x1200	min720p Max1080p	min720p Max1080p	Min 640x480 Max 4K
No. of Streams IN	4	4	9	4
Network Connections	1 - 5	1 - 5	1	1 - 5
Output resolution	1080P or 1900 x 1200	1080P or 1600 x 1200	1080P	4k 60 4:4:4
No.of Presets	1000	Unlimited	Unlimited	1000
Window Label	NO	NO	YES	YES
Scaling & Cropping	YES	YES	YES	YES
Stacking	YES	YES	YES	YES
Compatibility	N 1000	N2000	N3000	N 2400
Power	AC - IEC	AC - IEC	AC - IEC	AC - IEC
Size & Weight	4.5x43.8x30.5 cm (1 RU)	4.5x43.8x30.5 cm (1 RU)	8.9x43.8x39.4 cm (2 RU)	4.5x43.8x30.5 cm (1 RU)

AUDIO TRANSCEIVER

FOR ALL SERIES			
Model No.		N 432I	N 432I-C
		Stand alone	Card Module
Audio	In	Stereo (Bal or Unbal)	
	Out	Stereo (Bal or Unbal)	
	Phantom	48V	
	Latency	20ms	
Control	GPI	YES	
	Relay	2-Ch	
	RJ 45	YES	
Headphone Jack		YES	
Device	POE	YES, 1 port	
	Power supply	12v DC, 2 Amps	
	Weight	0.68 kg	—
	Size	2.67cm x 20.04cm x 14cm	—

NETWORK AV SVSI

SVSI WP & AUDIO TRANSCEIVER

SVSI Windowing Processor:

WP-N1512

Windowing Processor For 1000 series FHD Encoders/Decoders

WP-N2510

Windowing Processor For 2000 series FHD Encoders/Decoders

WP-N3510

Windowing Processor For 3000 series FHD Encoders/Decoders

WP-N2410

Windowing Processor For 2400 series 4K60 Encoders/Decoders

Audio Transceiver:

N432I and N432I-C

Analog audio transceiver for all series of SVSI solution

SVSI CONTROLLERS AND NETWORK VIDEO RECORDERS



NETWORK AV SVSI

SVSI CONTROLLER & NETWORK VIDEO RECORDER

SVSI Wind Controllers:

SC-N8001

Max devices: 50

Redundant Power Supply: No

SC-N8002

Max devices: Unlimited

Redundant Power Supply: No

SC-N8002

Max devices: Unlimited

Redundant Power Supply: Yes

Audio Transceiver:

N4321 and N4321-C

Analog audio transceiver for all series of SVSI solution



CONTROLLERS

Model No.	SC-N8001	SC-N8002	SC-N8012
Interface	Ethernet	2 x Ethernet	2 x Ethernet
Max Devices	50	Unlimited	
Users	5 Simultaneous	Unlimited	
Web-Based Control	Yes		
Custom Panels	Yes		
Custom Scripts	Yes		
Group Management	Yes		
Backup and Restore	Yes		
Audio Matrix control	Yes		
Direct TCP	Yes		
Control 3rd-Party Devices	Yes		
Host PC required	NO		
RAID Hard drive	NO		Yes
Redundant Power supply	NO		Yes
Power supply	12v DC	AC	AC
Weight	0.99 kg	8.62 kg	12.7 kg
Size	3.81 x 19.36 x 19.36 cm	8.89 x 43.18 x 40.01 cm	9.21 x 44.45 x 45.8 cm



NETWORK VIDEO RECORDER

Model No.	NVR-N6123		
	N 1000	N 2000	N 3000
No.of Streams	1	2	10
Estimated Recording time	4.5 hr (880Mbps/ Uncompressed)	43 hrs (100 Mbps/ JPEG2000)	434 hrs (10 Mbps/ H.264)
Time Delay Broadcast	NO	YES	
Multi sync Mode	NO	YES	
Max Video Resolution	Up to 1080p		
Audio	Stereo		
AV Stream In / Out	RJ45		
Storage	MPEG4 Original resolution		
GUI	DVI		
Power supply	100-240 V, AC. 1Amp		
Weight	7.25 Kg		
Size	2 RU (H 8.9 x W43.8 x D39.4 cm)		



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-



CONTROL PROCESSING

CENTRAL CONTROLLERS

NX-1200

Netlinx Integrated Controller

NX-2200

Netlinx Integrated Controller

NX-3200

Netlinx Integrated Controller

External Power Supply:

Required, PSR 5.4 Power Supply

NX-4200


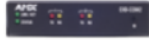



Netlinx Integrated Controller

External Power Supply:

Not Required

FEATURE	NX-1200	NX-2200	NX-3200	NX-4200
AxLink Interface	1	1	2	2
10/100 LAN	Yes	Yes	Yes	Yes
10/100 ICSLan	No	1	1	4 PoE
Digital I/O Ports	4	4	8	8
RS232/422/485 Ports	1	1	2	2
RS232-only Ports	1	3	6	6
IR-Serial Output Ports	2	4	8	8
Relay Ports	0	4	8	8
IR Receiver Port	1	0	0	0
Processor Speed	1600 MIPS	1600 MIPS	1600 MIPS	1600 MIPS
On-Board RAM	512 MB	512 MB	512 MB	1 GB
Non-Volatile Memory	1 M	1 M	1 M	1 M
FLASH Memory	4 GB SDHC	8 GB SDHC	8 GB SDHC	8 GB SDHC
Rack Space	1 RU x 1/3	1 RU	1 RU	1 RU

ICSLan Expansion Device Control Boxes allow users to manage devices remotely from a Controller over an Ethernet network. This provides a simple method for a centralized control environment allowing users to share a controller among multiple smaller rooms. With an Ethernet connection, the ICSLan Device Control Boxes make it easy to introduce control to equipment such as projectors, located extended distances from a Controller. Additionally, the number of ports on an AMX Controller can be expanded using these ICSLan Control Boxes when all ports are fully populated on the master controller.

	EXB-IRS4 	EXB-COM2 	EXB-REL8 	EXB-IO8 	EXB-MP1 
Product type	ICSLan IR/S Interface, 4 IR/S and 4 Inputs	ICSLan Serial Interface, 2 Ports	ICSLan Relay Interface, 8 Channels	ICSLan Input/Output Interface, 8 Channels	ICSLan Multi-Port, 1 COM, 1 IR/S, 2 I/O, 1 IR RX
Connectors	(1) RJ-45 ICS-LAN Ethernet Connector, (1) 8-Pin 3.5mm captive-screw terminal for I/R ports, (1) 6-Pin 3.5mm captive-screw terminal for inputs	(1) RJ-45 ICS-LAN Ethernet Connector, (1) 10-Pin 3.5mm captive-screw terminal (RS-232/422/485 port), (1) 5-Pin 3.5mm captive-screw terminal (RS-232 port)	(1) RJ-45 ICS-LAN Ethernet Connector, (2) 8-Pin 3.5mm captive-screw terminals	(1) RJ-45 ICS-LAN Ethernet Connector, (1) 10-Pin 3.5mm captive-screw terminal (RS-232/422/485 port)	(1) RJ-45 ICS-LAN Ethernet Connector
Power Over Ethernet (PoE)	No local Power Supply needed	No local Power Supply needed	No local Power Supply needed	No local Power Supply needed	No local Power Supply needed
Weight	1 lb (454 g)	1 lb (454 g)	1.02 lb (463 g)	1 lb (454 g)	--
Power Draw	Typical power draw: 1.9 Watts, Max power draw: 2.4 Watts	1.9 Watts	Typical power draw: 1.9 Watts, Max power draw: 3.4 Watts	1.9 Watts	1.9 Watts
Dimensions (HWD)	1" x 4 3/8" x 5 1/8" (2.5 cm cm x 11.1 cm x 13.00 cm), RU: 1	1" x 4 3/8" x 5 1/8" (2.5 cm cm x 11.1 cm x 13.00 cm), RU: 1	1" x 4 3/8" x 5 1/8" (2.5 cm cm x 11.1 cm x 13.00 cm), RU: 1	1" x 4 3/8" x 5 1/8" (2.5 cm cm x 11.1 cm x 13.00 cm), RU: 1	1" x 3" x 4 13/16" (2.5 cm cm x 7.6 cm cm x 12.2 cm), RU: 1
FG Numbers	FG2100-23	FG2100-22	FG2100-20	FG2100-21	FG2100-26

CONTROLLERS

EXPANSION CONTROL BOXES

EXB-IRS4

ICSLan IR/S Interface Expansion Box

EXB-COM2

ICSLan Serial Interface Expansion Box

EXB-REL8

ICSLan Relay Interface Expansion Box

EXB-IO8

ICSLan Input/Output Interface Expansion Box

EXB-MP1

ICSLan Multi-Port Expansion Box



About AMX

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- 1 Single-Output Switchers
 - 2 Matrix Switchers & Windowing Processor
 - 3 Transmitters and Receivers
 - 4 Network AV – SVSI Encoders / Decoders / Windowing Processors
 - 5 Controllers
 - 6 Touch Panels and Room Booking Panels**
 - 7 Buttons Panels
 - 8 Cable Management
 - 9 EDID Management, Scaling, & Capture
-



Modero G5 Touch Panels are control interfaces that integrate all the functionality you need into a single interface. Streamline meeting spaces, classrooms, briefing rooms, auditoriums and more with intuitive user selections that get complicated technology interactions out of the way.

The wall-mounted touch panel can also be configured to be used as a booking panel, with the capability for ad-hoc bookings via the panel itself or using popular scheduling solutions. The additional glass-mount kit provides the perfect installation solution in modern buildings with substantial glass.

Wall-Mounted / Room Booking Panels

Tabletop Touch Panels

	<div>MD-1002</div> <div></div>	<div>MD-702</div> <div></div>	<div>MT-1002</div> <div></div>	<div>MT-702</div> <div></div>
Product type	10.1" Wall-Mount Touch Panel / Scheduling Panel	7" Wall-Mount Touch Panel / Scheduling Panel	10.1" Modero G5 Tabletop Touch Panel	7" Modero G5 Tabletop Touch Panel
Resolution	1280x800	1280x800	1280x800	1280x800
Touch Overlay	Capacitive	Capacitive	Capacitive	Capacitive
FG Numbers	FG5969-49BL	FG5969-55BL	FG5969-47	FG5969-53
Display Size (WH) Landscape	9.1" x 5.9" (230 mm x 149 mm), 10.8" (274 mm) diagonal	7.3" x 4.8" (186 mm x 122 mm), 8.8" (222 mm) diagonal	9.9" x 6.7" (252 mm x 170 mm), 12.0" (304 mm) diagonal	7.3" x 4.8" (186 mm x 122 mm), 8.8" (222 mm) diagonal
Viewable Area (WH) Landscape	8.5" x 5.4" (217 mm x 136 mm), 10.0" (256 mm) diagonal	6.05" x 3.54" (154 mm x 90 mm), 7.0" (178 mm) diagonal	8.5" x 5.3" (217mm x 136mm), 10.1" (257mm) diagonal	6.05" x 3.54" (154 mm x 90 mm), 7.0" (178 mm) diagonal

USER INTERFACE

MODERO G5 TOUCH
PANELS / ROOM
ROOM BOOKING PANELS

Room Booking Panels:

MD-1002

10.1" Wall-Mount Touch Panel

MD-702

7" Wall-Mount Touch Panel

Wall-Mounted Touch Panels:

MD-1002

10.1" Wall-Mount Touch Panel

MD-702

7" Wall-Mount Touch Panel

Tabletop Touch Panels:

MT-1002

10.1" Modero G5 Tabletop Touch Panel

MT-T02

7" Modero G5 Tabletop Touch Panel

USER INTERFACE

TP-CONTROL APP

TPC-IPAD

Authorized AMX Touch Panel Application for iPad or iPad mini

TPC-ITOUCH-PHONE

Authorized AMX Touch Panel Application for iPhone or iPod touch

TPC-ANDROID-TAB

Authorized AMX Touch Panel Application for Android based tablet

TPC-ANDROID


Authorized AMX Touch Panel Application for Android Smartphone

TPC-WIN8-TAB

Authorized AMX Touch Panel Application for Windows 8/10 devices

TPC-WIN8-TAB

Authorized AMX Touch Panel Application for BYOD devices

	TPC-IPAD 	TPC-ITOUCH-PHONE 	TPC-ANDROID-TAB 	TPC-ANDROID 	TPC-WIN8-TAB 	TPC-BYOD 
Product type	Authorized AMX Touch Panel Application for Apple iPad/iPad mini®	Authorized AMX Touch Panel Application for Apple iPhone/iPod touch®	Authorized AMX Touch Panel Application for Android™ Tablet Devices	Authorized AMX Touch Panel Application for Android™ Smartphones	Authorized AMX Touch Panel Application for Tablets, PCs and Laptops with Windows 8/10	Authorized AMX Touch Panel Application for Bring Your Own Device License for Mobile Devices
FG Numbers	FG2263-06-00 (Apple iPad/iPad mini License)	FG2263-05-00 (Apple iPhone/iPod touch License)	FG2263-08-00 (Android Tablet License)	FG2263-07-00 (Android Smartphone License)	FG2263-14-00	FG2263-21-00



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-

USER INTERFACE

MASSIO SERIES KEYPAD/ CONTROLPAD

With built-in controller:

MCP-106

Massio 6-Button Control Pad

MCP-108

Massio 8-Button Control Pad with Knob

Without built-in controller:

MKP-106

Massio 6-Button Keypad

MKP-108



Massio 6-Button Keypad with Knob

With built-in controller

No built-in controller

	MCP-106	MCP-108	MKP-106	MKP-108
Product type	Massio™ 6-Button ControlPad (US, UK, EU)	Massio™ 8-Button ControlPad with Knob (US, UK, EU)	6-Button Massio™ Keypad (US, UK, EU)	8-Button Massio™ Keypad with Knob (US, UK, EU)
Power Consumption	Typical: 4.5 Watts, Voltage, DC (Typical): PoE (37V-57V), Voltage DC Range: 37 V-57 V per 802.3af spec, Power Connector: (1) RJ-45 Ethernet	Typical: 5 Watts, Voltage, DC (Typical): PoE (37V-57V), Voltage DC Range: 37 V-57 V per 802.3af spec, Power Connector: (1) RJ-45 Ethernet	Typical: 4.5 Watts, Voltage, DC (Typical): PoE (37V-57V), Voltage DC Range: 37 V-57 V per 802.3af spec, Power Connector: (1) RJ-45 Ethernet	Typical: 5 Watts, Voltage, DC (Typical): PoE (37V-57V), Voltage DC Range: 37 V-57 V per 802.3af spec, Power Connector: (1) RJ-45 Ethernet
Weight	Approximately .25 lbs (.11 kg)	Approximately .41 lbs (.19 kg)	Approximately .25 lbs (.11 kg)	Approximately .41 lbs (.19 kg)
Dimensions (HWD)	Portrait: 4 11/16" x 3 7/16" x 9/16" (119 mm x 87.5 mm x 13.9 mm), Landscape: 3 7/16" x 4 11/16" x 9/16" (87.5 mm x 119 mm x 13.9 mm)	4 11/16" x 6" x 1" (119 mm x 152.5 mm x 26 mm)	Portrait: 4 11/16" x 3 7/16" x 9/16" (119 mm x 87.5 mm x 13.9 mm), Landscape: 3 7/16" x 4 11/16" x 9/16" (87.5 mm x 119 mm x 13.9 mm)	4 11/16" x 6" x 1" (119 mm x 152.5 mm x 26 mm)
RS-232 Port	(1), 3-position 3.5mm Screw Terminal; 300 - 115,200 baud	(2), 3-position 3.5mm Screw Terminal; 300 - 115,200 baud	--	--
IR/Serial	(1), 2-position 3.5mm Screw Terminal; IR Transmit / 1-way Serial ports, Support high-frequency carriers up to 1.142 MHz	(2), 2-position 3.5mm Screw Terminal; IR Transmit / 1-way Serial ports, Support high-frequency carriers up to 1.142 MHz	--	--
I/O Channels	--	(2) 4-position 3.5 mm Screw Terminal, 2-channel binary I/O port for contact closure with each input being capable of voltage sensing	--	--
Memory	Flash: 4 GB, Memory Card: 4 GB SD, DDRAM: 256 MB	Flash: 4 GB, Memory Card: 4 GB SD, DDRAM: 256 MB	Flash: 4 GB, Memory Card: 4 GB SD, DDRAM: 256 MB	Flash: 4 GB, Memory Card: 4 GB SD, DDRAM: 256 MB
Mounting	Mount onto standard 1 gang US, UK, or EU back boxes	Mount onto standard 2 gang US, UK, or EU back boxes	Mount onto standard 1 gang US, UK, or EU back boxes	Mount onto standard 2 gang US, UK, or EU back boxes
Program Port	(1) USB Mini-B, USB	(1) USB Mini-B, USB	(1) USB Mini-B, USB	(1) USB Mini-B, USB
ID Pushbutton	Reset factory settings, reset factory image, toggle between DHCP or static IP addressing mode	Reset factory settings, reset factory image, toggle between DHCP or static IP addressing mode	Reset factory settings, reset factory image, toggle between DHCP or static IP addressing mode	Reset factory settings, reset factory image, toggle between DHCP or static IP addressing mode
Relay Connection	--	(1) 4-position 3.5mm Screw Terminal, (2) single-pole, single-throw relays, Each relay can switch up to 24 VDC or 28 VAC @ 1 A, Each relay is independently controlled	--	--

Metreau button keypads offer a variety of single-width and double-width buttons that can be used as an individual keypad or in conjunction with Metreau Ethernet expansion keypads. They connect to the controller via Ethernet, which simplifies installation and connectivity.

	MET-7E 	MET-13E 	MET-6NE 
Product type	Metreau® 7-Button Ethernet Keypad	Metreau® 13-Button Ethernet Keypad	Metreau® 6-Button Ethernet Keypad with Navigation
Dimensions (HWD)	Keypad and Mounting Plate: 4" x 1 3/4" x 1" (10.3 cm x 4.5 cm x 2.5 cm)	Keypad and Mounting Plate: 4" x 1 3/4" x 1" (10.3 cm x 4.5 cm x 2.5 cm)	Keypad and Mounting Plate: 4" x 1 3/4" x 1" (10.3 cm x 4.5 cm x 2.5 cm)
Mounting	Mounts into standard decor-style wallplates	Mounts into standard decor-style wallplates	Mounts into standard decor-style wallplates
Front Panel Components	Pushbuttons available in a variety of field replaceable pre-printed buttons with blue LED indicators	Pushbuttons available in a variety of field replaceable pre-printed buttons with blue LED indicators	Pushbuttons available in a variety of field replaceable pre-printed buttons with blue LED indicators, Navigation wheel, Light-level feedback, Sensor
Rear Panel Components	(1) RJ-45 Ethernet Connector, 10/100, (2) 8-pin, 0.100" (2.54 mm) IDC-type male header	(1) RJ-45 Ethernet Connector, 10/100, (2) 8-pin, 0.100" (2.54 mm) IDC-type male header	(1) RJ-45 Ethernet Connector, 10/100, (2) 8-pin, 0.100" (2.54 mm) IDC-type male header
Power	PoE (Power over Ethernet), 802.3af, class 0, Power Connector: (1) RJ-45 Ethernet Connector, 10/100	PoE (Power over Ethernet), 802.3af, class 0, Power Connector: (1) RJ-45 Ethernet Connector, 10/100	PoE (Power over Ethernet), 802.3af, class 0, Power Connector: (1) RJ-45 Ethernet Connector, 10/100
FG Numbers	FG5793-03-WH (White) FG5793-03-BL (Black)	FG5793-02-WH (White) FG5793-02-BL (Black)	FG5793-01-WH (White) FG5793-01-BL (Black)

USER INTERFACE

METREAU SERIES ETHERNET KEYPADS

MET-7E

Metreau 7-button Ethernet keypad

Colors: Black or White

MET-13E

Metreau 13-button Ethernet keypad

Colors: Black or White

MET-6NE

Metreau 6-button Ethernet keypad with navigation

Colors: Black or White



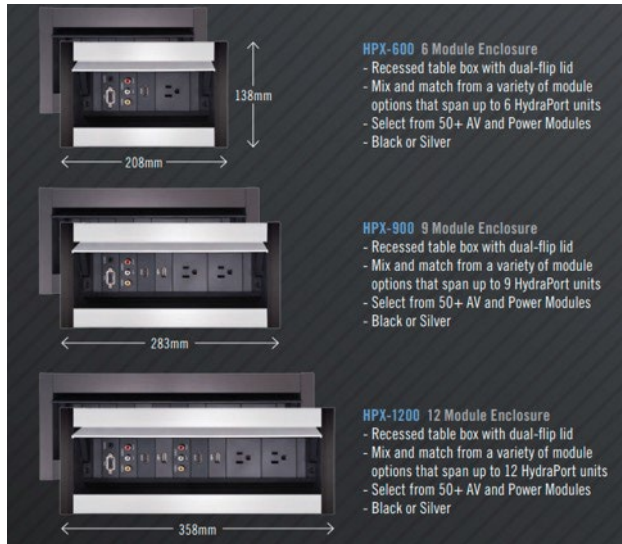
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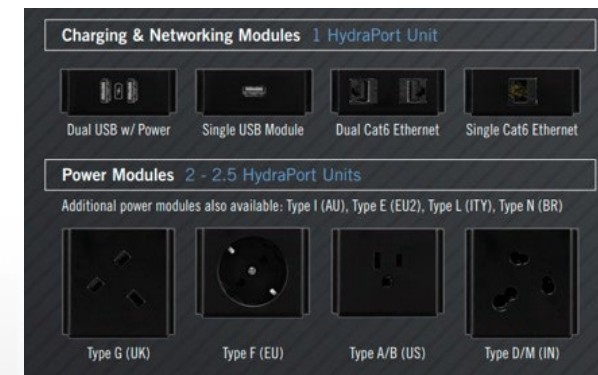
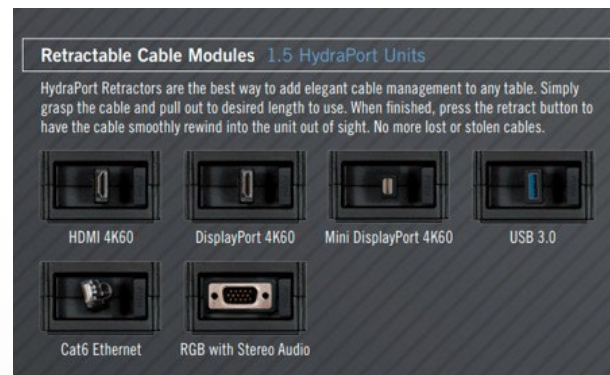
hydraport

With an elegant form factor that complements any room, HydraPorts offer a simple way to connect laptops, mobile devices, network and power, while concealing the typical mess of cables and ensuring your meeting space always has a clean look. Users are empowered with easy access to all the connectivity they need in a given space for wired presentation, device charging, and room control. Completely scalable, the HydraPort product family has over 50 available modules, so it is configurable to the room and users' specific needs. And the modular design makes it easy to switch out modules as needs evolve.



HydraPort Connection Preview Configuration Tool

<https://www.amx.com/hydraportpreview>





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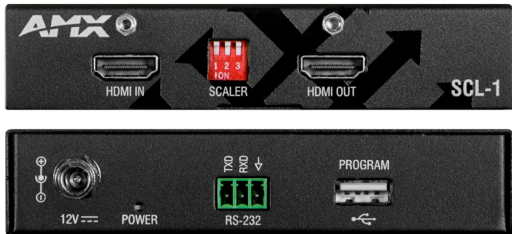


DCE-I

In-Line Controller

The AMX DCE-I In-Line controller combines CEC control, EDID emulation and audio extraction in a single, cost-effective device.

- Provides EDID emulation for resolutions up to 4K60 4:4:4, and includes HDCP 2.2 support.
- Offers audio de-embed capabilities, with digital SPDIF and analog output options.
- To simplify display control, this device also offers the ability to turn the display on and off using CEC or RS232 strings whenever a source device is connected or disconnected.



SCL-I

4K60 4:4:4 Video Scaler

The AMX SCL-I 4K60 Scaler is a small-format scaler that adjusts the output to match the optimal resolution of the display. The scaler includes a single input and a single output, with a size small enough to be mounted behind a display, and offers a more flexible, lower cost solution for installations where scaling is needed only on certain outputs.

The scaler is compatible with 4K60 4:4:4 resolutions and HDCP 2.2. Because the scaler includes automatic scaling, the device can be configured to automatically scale to the optimal resolution of the display based on its EDID. It can be set to always scale to a particular resolution.

UVC I-4K

4K HDMI to USB Capture Device



The UVC I-4K captures content from HDMI video sources for seamless importation into PCs and video conferencing software such as Zoom or Teams via USB. It supports HDMI video input resolutions up to 4096x2160p@60 4:4:4, HDR, and 10-bit per channel Deep Color and outputs resolutions up to 3840x2160p@30fps (NV12, I420) or 1920x1080p@60fps (YUY2, P010).

VIDEO SIGNAL PROCESSING

EDID Management, Scaling, & Capture

DCE-I

In-Line Controller – CEC control, EDID emulation and audio extraction

SCL-I

4K60 4:4:4 Video Scaler

UVC I-4K

4K HDMI to USB Capture Device



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