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Precis Series Digital Switchers & Processors.

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About AMX Precis Series

The Precis Series offers a range of 4K60 4:4:4 HDMI products that create versatile solutions for meeting spaces and classrooms driven by software-based conferencing platforms like Zoom and Teams.

With the ability to integrate source content via the AMX HDMI to USB capture device, you can switch up to eight sources with four AMX Precis 4K60 Matrix Switchers, and dynamically window up to four sources into two mirrored outputs via the AMX Precis Windowing Processor. These products ensure spaces are well equipped for incredibly impactful collaboration.

The Precis PR-Series Matrix Switchers are available in four configurations - 4x2, 6x2, 4x4 and 8x8. All models include best-in-class capabilities like pixel-for-pixel video reproduction, fast switching, comprehensive EDID management, HDMI audio de-embedding, an open control API, and a simple-to-use web interface.



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MATRIX SWITCHERS

The Precis PR-Series Matrix Switchers provide a video routing solution for small to medium installations. Features include class-leading video quality with support for 4K60 4:4:4 and HDR10+ video and control flexibility with an open control API and HTML5 web interface.

- PR-0402** 4x2 4K60 HDMI Matrix Switcher
- PR-0602** 6x2 4K60 HDMI Matrix Switcher
- PR-0404** 4x4 4K60 HDMI Matrix Switcher
- PR-0808** 8x8 4K60 HDMI Matrix Switcher
- PR01-0808** 8x8+4 4K60 HDMI Matrix Switcher



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 realise 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

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



PR-0402

Precis 4x2 4K60 HDMI Matrix Switcher

KEY FEATURES:

- 4 HDMI Inputs
- 2 HDMI Outputs
- 2 Analogue Stereo Audio Outputs
- 4K60 4:4:4
- HDMI 2.0
- High Dynamic Range
- HDCP 2.2
- 1 Ethernet Port
- 1 Serial Port
- 1 USB Program Port
- 12V DC Power



PR-0602

Precis 6x2 4K60 HDMI Matrix Switcher

KEY FEATURES:

- 6 HDMI Inputs
- 2 HDMI Outputs
- 2 Analogue Stereo Audio Outputs
- 4K60 4:4:4
- HDMI 2.0
- High Dynamic Range
- HDCP 2.2
- 1 Ethernet Port
- 1 Serial Port
- 1 USB Program Port
- 12V DC Power



PR-0404

Precis 4x4 4K60 HDMI Matrix Switcher

KEY FEATURES:

- 4 HDMI Inputs
- 4 HDMI Outputs
- 4 Analogue Stereo Audio Outputs
- 4K60 4:4:4
- HDMI 2.0
- High Dynamic Range
- HDCP 2.2
- 1 Ethernet Port
- 1 Serial Port
- 1 USB Program Port
- 12V DC Power



PR-0808

Precis 8x8 4K60 HDMI Matrix Switcher

KEY FEATURES:

- 8 HDMI Inputs
- 8 HDMI Outputs
- 8 Analogue Stereo Audio Outputs
- 4K60 4:4:4
- HDMI 2.0
- High Dynamic Range
- HDCP 2.2
- 1 Ethernet Port
- 1 Serial Port
- 1 USB Program Port
- 12V DC Power



PR01-0808

Precis 8x8+4 4K60 HDMI Matrix Switcher

The AMX Precis 8x8+4 Matrix Switcher is a 4K60 4:4:4 fixed matrix switching solution which features 8 HDMI inputs and outputs. 4 of the outputs also feature mirrored HDBaseT outputs as well, providing connection directly to a display or projector that supports standard HDBaseT or for use with the AMX PR01-RX HDBaseT Receiver and Scaler. The addition of built-in HDBaseT mirrored outputs provides an effective solution for distributing video over longer distances without degrading video quality.

KEY FEATURES:

- 8 HDMI Inputs
- 8 HDMI Outputs
- 8 Analogue Stereo Audio Outputs
- 4 HDBaseT Outputs
- HDMI 2.0
- High Dynamic Range
- 1 Ethernet Port
- 1 Serial Port
- 1 USB Program Port

OTHER FEATURES:

4K60 4:4:4 Support

Experience pixel-for-pixel video reproduction of 4K60 source video with full 4:4:4 colour space

HDCP 2.2

Supports the latest source standards

Mirrored HDBaseT Outputs

Connect to PR01-RX receivers or directly to a display or projector that supports HDBaseT

NetLinx Native

Easy integration with AMX automation systems

Fixed Configuration

Simple design and implementation

Audio De-Embedding

Flexible design for use in more applications

Open Control API

Integrates into designs with any control system



PR01-RX

Precis HDBaseT™ Receiver and Scaler

The AMX Precis PR01-RX HDBaseT Receiver and Scaler provides an end-point for the AMX Precis PR01-0808 HDMI Matrix Switcher. The PR01-RX receiver provides built-in scaling, network pass-through, and network configuration, offering an effective solution for distributing video outputs from the Precis PR01-0808 over longer distances without degrading video quality. The addition of built-in scaling on the Precis PR01-RX provides clean transitions when switching between sources and an output that matches the display resolution regardless of the source.

KEY FEATURES:

- 4K60 Support with Scaling
- HDBaseT Support
- Netlinx Native



WINDOWING PROCESSOR



The HDMI Windowing Processor operates as a 4x1+1 windowing processor with mirrored outputs or as a 4x2 Matrix Switcher. Features include seamless switching, class-leading video quality with support for 4K60 4:4:4 video and HDCP 2.2, audio breakaway, and control flexibility with an open control API and HTML5 web interface.

PR-WP-412

Precis 4x1+1 4K60 HDMI Windowing Processor

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. When configured as a windowing processor, the four video inputs can be arranged in any configuration and composited into a single output. In matrix switcher mode, the PR-WP-412 acts as a 4x2 seamless video switcher. It is loaded with best-in-class features, including truly seamless switching, class-leading 4K60 4:4:4 video quality, integrated audio breakaway, and extreme control flexibility with an open control API, a simple-to-manage HTML5 web interface, and front panel controls.

When paired with the AMX UVC1-4K USB Capture Device, the PR-WP-412 is an ideal complement to software video conferencing systems such as Zoom and Teams as it enables multiple sources to be shared at the same time. With an open API and full 4K60 support, the PR-WP-412 can be leveraged to enable creative solutions to unique design requirements in all types of applications.

The PR-WP-412 is ideal for a variety of applications, including corporate campuses, colleges and universities, sports bars, casinos, courtrooms and other government applications as an effective solution to switch or combine 4K60 4:4:4 HDMI sources on a single display.





PR-WP-412 4-Input HDMI Windowing Processor

KEY FEATURES:

Perfect Video

4K60 4:4:4, HDMI 2.0 / HDCP 2.2, HDR10, Smartscale

Seamless Switching Mode

Uninterrupted screen transitions during source selections when switching in 4x2 Matrix Mode

Multi-Windowing Processing Mode

Up to four simultaneous, freely scalable windows can be processed using the 4x1+1 multi-windowing mode

Audio Pass-Through & De-Embedding

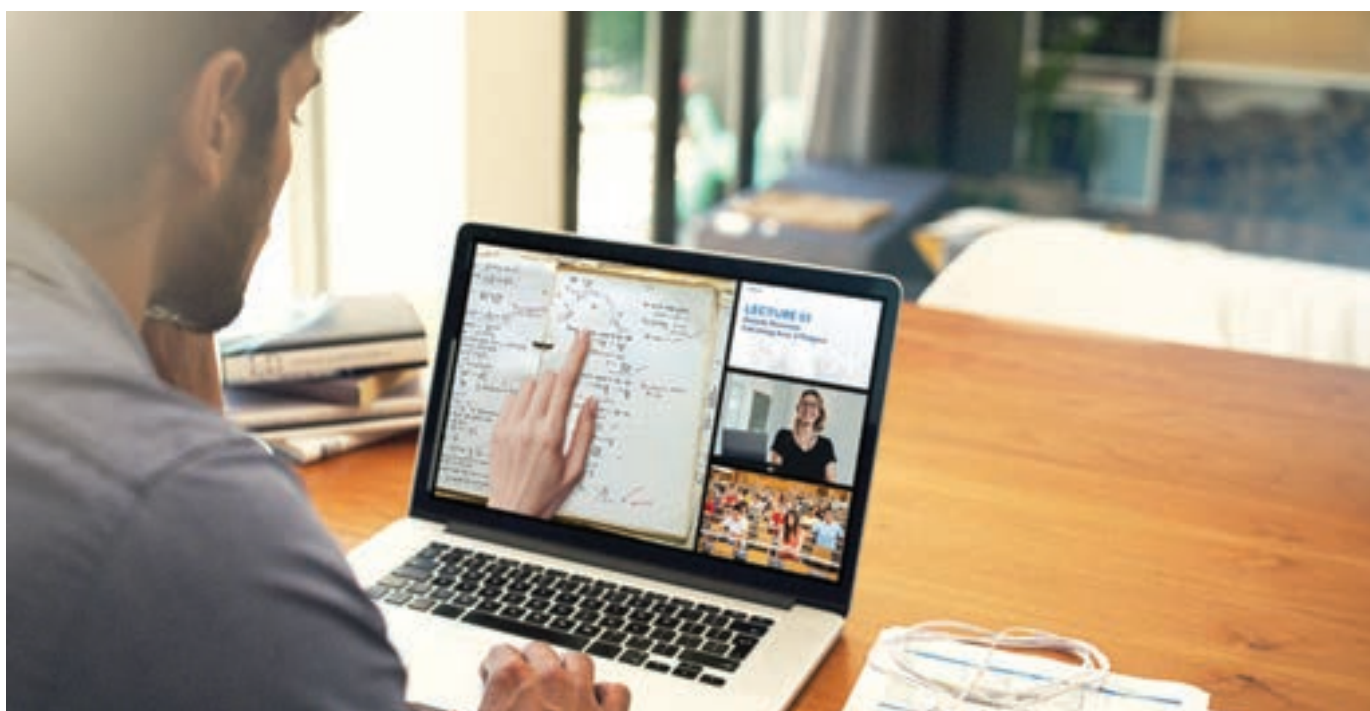
Empowers independent audio source selection and routing to HDMI outputs in all modes

Multiple Control Methods

Open API control via Telnet, SSH, & RS-232, Full Web GUI console, Front Panel Buttons, OSD on-screen configuration, H-Control upgradable in future

Ideal Complement to Zoom/Teams

Share content from multiple sources simultaneously
Standardise sharing on multiple platforms



USB CAPTURE CARD

The HDMI to USB 3.0 capture solution brings HDMI video into any PC and is a perfect companion to the Precis Series HDMI Matrix Switchers, TPC-TPI-PRO or Software-Based Video Conferencing solutions like Zoom or Teams. Features include 4K60 4:4:4 video and HDCP 2.2, separate analogue audio input, standard UVC interface and control, and USB 3.0 capture up to 3840x2160p@30fps.



UVC1-4K

4K HDMI to USB Capture Device

The UVC1-4K 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).

The UVC1-4K solves the issue of PCs that lack HDMI or other video inputs for importing content from video cameras, document cameras, DVD players or other traditional video sources. It also serves as an ideal solution for users of the AMX TPC-TPI-PRO professional in-room presentation management system, offering the ability to preview and control their presentation and environment from a single, third-party touch panel interface.

The UVC1-4K is ideal for colleges and universities leveraging software video conferencing or software lecture recording solutions for distance learning or when using TPC-TPI-PRO to preview and control in-room video. It is also a great fit for corporate applications where software video conferencing is deployed.

UVC1-4K – 4K HDMI to USB Capture

KEY FEATURES:

HDMI 2.0 Support

HDMI video input supports resolutions up to 4096x2160p@60 4:4:4, HDR, and 10-bit per channel Deep Color

USB 3.0 Capture

UVC video output supports resolutions up to 3840x2160p@30fps (NV12, I420) or 1920x1080p@60fps (YUY2, P010)

Audio Input Embedded

Audio input support includes analogue stereo audio and HDMI embedded audio



UVC Software Compatible

Supports Zoom, Teams, WebEx, Skype, Slack, Discord, BlueJeans, GoToMeeting, VLC, and more

Ideal TPC-TPI-Pro Companion

Works with AMX TPC-TPI-PRO professional in-room presentation management system to enable users to preview and control their presentation and environment from a single, third-party touch panel interface





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