

## AMX 4x2 4K60 HDMI Switcher

PR-0402 (FG# AMX-PR-0402)



### Overview

The AMX Precis 4x2 4K60 HDMI Switcher is an extremely affordable yet fully featured HDMI video routing solution for small to medium installations. Featuring 4 HDMI inputs and 2 HDMI outputs, it includes best-in-class capabilities like pixel-for-pixel video reproduction, comprehensive EDID management, automatic or manual switching modes, and extreme control flexibility with an open control API and a simple-to-manage web interface.

The PR-0402 supports high quality HDMI 2.0, HDCP 2.2, High Dynamic Range (HDR), and 36-bit per pixel Deep Color. Automatic and manual switching modes plus onboard dynamic audio de-embedding offer maximum configuration flexibility. Combining a robust matrix switcher and a highly affordable price point backed by over 30 years of industry-leading matrix switching experience, the AMX Precis PR-0402 can be trusted to deliver an exceptional switching solution.

### Common Applications

The Precis PR-0402 4K60 HDMI Switcher is the ideal choice for beautiful, cost effective 4K60 4:4:4 matrix switching in meeting spaces, classrooms, lecture halls, houses of worship and more.

## **AMX PR-0402**

### **Features**

**Perfect 4K60 4:4:4 Video** - Ideal for users that can benefit from processing the full fidelity of their displays

**HDMI 2.0 & HDCP 2.2** - Supports the latest video standards to realize the full capabilities of HDMI interfaces

**High Dynamic Range (HDR) and Deep Color Support** – Support HDR10, HDR10+, Dolby Vision and 36-bit per pixel deep color.

**Automatic and Manual Switching Modes** – Automatic switching can be leveraged to create a touch-free experience

**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

**Multiple Audio Format Support** – PCM 2-Channel, PCM Multi-Channel, Dolby Digital, Dolby Digital Plus, Dolby Atmos, Dolby TrueHD, DTS, DTS HD MA

**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

## AMX 4x4 4K60 HDMI Switcher

Fixed matrix switching solution with 4 HDMI inputs and 4 HDMI outputs

PR-0404 (FG# AMX-PR-0404)



### Overview

The AMX Precis 4x4 4K60 HDMI Switcher is an extremely affordable yet fully featured HDMI video routing solution for a range of small and medium-sized installations. Featuring 4 HDMI inputs and 4 HDMI outputs, it includes best-in-class capabilities like pixel-for-pixel video reproduction, comprehensive EDID management, and extreme control flexibility with an open control API and a simple-to-manage HTML5 web interface.

The PR-0404 supports high quality HDMI 2.0, HDCP 2.2, High Dynamic Range (HDR), and 36-bit per pixel Deep Color. Onboard dynamic audio de-embedding offers maximum configuration flexibility. Combining a robust matrix switcher and a highly affordable price point, backed by over 30 years of industry-leading matrix switching experience, the AMX Precis PR-0404 can be trusted to deliver an exceptional switching solution.

### Common Applications

The Precis PR-0404 4K60 HDMI Switcher is the ideal choice for beautiful, cost effective 4K60 4:4:4 matrix switching in meeting spaces, classrooms, lecture halls, houses of worship and more.

### Features

**Perfect 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 HDR10, HDR10+, Dolby Vision, and 36-bit per pixel deep color

**HDMI 2.0 & 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

## AMX PR-0404

**Audio De-Embedding** – Includes the convenience of analog 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

### Specifications

General	
Dimensions	10.59 in (26.9cm) depth 17.24 in (43.8m) width 1.73 in (4.4cm) height
Weight	Approx. 6.6 lbs (3 kg)
Shipping Weight	Approx. 9.9 lbs (4.5 kg)
Mounting Options	Includes mounting brackets
MTBF	438,499 hrs
Airflow Approvals	Forced air cooling from right to left (openings on sides of case)
Regulatory Compliance	FCC Part 15 Class B EN 55032 EN 55035 CB IEC/EN 60950 CB IEC/EN 62368-1 UL 62368-1 RoHS/REACH EMC (Australia) EMC (Canada) EMC (UKCA) Prop65
Included Accessories	1x 12V/3A DC Power Adapter 1x US Pins 1x EU Pins 1x UK Pins 1x AU Pins 5x 3-Pin Terminal Blocks 2x Mounting Ears

Active Power Requirements	
AC Power	12 VDC 3A Max Output; 100-240V 50/60Hz AC Input
Power Consumption	34.8 Watts max 11.1 Watts idle
Power Connector	2.5 mm Screw Down Locking Power Connector

Power Supply	
External, Included	Yes

Environmental	
Temperature (Operating)	32°F (0°C) to 122°F (50°C)
Temperature (Storage)	-4°F (-20°C) to 140°F (60°C)
Humidity (Operating)	10% to 90% RH (non-condensing)
Humidity (Storage)	10% to 90% RH (non-condensing)
Thermal Dissipation (Max)	118.7 BTU/hr

## AMX 6x2 4K60 HDMI Switcher

Fixed matrix switching solution with 6 HDMI inputs and 2 HDMI outputs

PR-0602 (FG# AMX-PR-0602)



### Overview

The AMX Precis 6x2 4K60 HDMI Switcher is an extremely affordable yet fully featured HDMI video routing solution for a range of small and medium-sized installations. Featuring 6 HDMI inputs and 2 HDMI outputs, it includes best-in-class capabilities like pixel-for-pixel video reproduction, comprehensive EDID management, and extreme control flexibility with an open control API and a simple-to-manage web interface.

The PR-0602 supports high quality HDMI 2.0, HDCP 2.2, High Dynamic Range (HDR), and 36-bit per pixel Deep Color. Onboard dynamic audio de-embedding offers maximum configuration flexibility. Combining a robust matrix switcher and a highly affordable price point, backed by over 30 years of industry-leading matrix switching experience, the AMX Precis PR-0602 can be trusted to deliver an exceptional switching solution.

### Common Applications

The Precis PR-0602 4K60 HDMI Switcher is the ideal choice for beautiful, cost effective 4K60 4:4:4 matrix switching in meeting spaces, classrooms, lecture halls, houses of worship and more.

### Features

**Perfect 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 HDR10, HDR10+, Dolby Vision, and 36-bit per pixel deep color

**HDMI 2.0 & HDCP 2.2** - Supports the latest video standards to realize the full capabilities of HDMI interfaces

## AMX PR-0602

**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

**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

### Specifications

General	
Dimensions	10.59 in (26.9cm) depth 17.24 in (43.8m) width 1.73 in (4.4cm) height
Weight	Approx. 6.3 lbs (2.85 kg)
Shipping Weight	Approx. 9.5 lbs (4.3 kg)
Mounting Options	Includes mounting brackets
MTBF	643,465 hrs
Airflow Approvals	Forced air cooling from right to left (openings on sides of case)
Regulatory Compliance	FCC Part 15 Class B EN 55032 EN 55035 CB IEC/EN 60950 CB IEC/EN 62368-1 UL 62368-1 RoHS/REACH EMC (Australia) EMC (Canada) EMC (UKCA) Prop65
Included Accessories	1x 12V/3A DC Power Adapter 1x US Pins 1x EU Pins 1x UK Pins 1x AU Pins 3x 3-Pin Terminal Blocks 2x Mounting Ears

Active Power Requirements	
AC Power	12 VDC 3A Max Output; 100-240V 50/60Hz AC Input
Power Consumption	15.1 Watts max 3.8 Watts idle
Power Connector	2.5 mm Screw Down Locking Power Connector

Power Supply	
External, Included	Yes

Environmental	
Temperature (Operating)	32°F (0°C) to 122°F (50°C)
Temperature (Storage)	-4°F (-20°C) to 140°F (60°C)
Humidity (Operating)	10% to 90% RH (non-condensing)
Humidity (Storage)	10% to 90% RH (non-condensing)
Thermal Dissipation (Max)	51.5 BTU/hr

## AMX 8x8 4K60 HDMI Switcher

Fixed matrix switching solution with 4 HDMI inputs and 4 HDMI outputs

PR-0808 (FG# AMX-PR-0808)



### Overview

The AMX Precis 8x8 4K60 HDMI Switcher is an extremely affordable yet fully featured HDMI video routing solution for a range of small and medium-sized installations. Featuring 8 HDMI inputs and 8 HDMI outputs, it includes best-in-class capabilities like pixel-for-pixel video reproduction, comprehensive EDID management, and extreme control flexibility with an open control API and a simple-to-manage web interface.

The PR-0808 supports high quality HDMI 2.0, HDCP 2.2, High Dynamic Range (HDR), and 36-bit per pixel Deep Color. Onboard dynamic audio de-embedding offers maximum configuration flexibility. Combining a robust matrix switcher and a highly affordable price point, backed by over 30 years of industry-leading matrix switching experience, the AMX Precis PR-0808 can be trusted to deliver an exceptional switching solution.

### Common Applications

The Precis PR-0808 4K60 HDMI Switcher is the ideal choice for beautiful, cost effective 4K60 4:4:4 matrix switching in meeting spaces, classrooms, lecture halls, houses of worship and more.

### Features

**Perfect 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 HDR10, HDR10+, Dolby Vision, and 36-bit per pixel deep color

**HDMI 2.0 & 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

## AMX PR-0808

**Audio De-Embedding** – Includes the convenience of analog 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

### Specifications

General	
Dimensions	10.59 in (26.9cm) depth 17.24 in (43.8m) width 1.73 in (4.4cm) height
Weight	Approx. 7.9 lbs (3.6 kg)
Shipping Weight	Approx. 12.8 lbs (5.8 kg)
Mounting Options	Includes mounting brackets
MTBF	233,240 hrs
Airflow Approvals	Forced air cooling from right to left (openings on sides of case)
Regulatory Compliance	FCC Part 15 Class B EN 55032 EN 55035 CB IEC/EN 60950 CB IEC/EN 62368-1 UL 62368-1 RoHS/REACH EMC (Australia) EMC (Canada) EMC (UKCA) Prop65
Included Accessories	1x 12V/7.5A DC Power Adapter 1x AC Power Cable with US Pins 1x AC Power Cable with UK Pins 1x AC Power Cable with EU Pins 8x 3-Pin Terminal Blocks 2x Mounting Ears

Active Power Requirements	
AC Power	12 VDC 7.5A Max Output; 100-240V 50/60Hz AC Input
Power Consumption	73.6 Watts max 26 Watts idle
Power Connector	2.5 mm Screw Down Locking Power Connector

Power Supply	
External, Included	Yes

Environmental	
Temperature (Operating)	32°F (0°C) to 122°F (50°C)
Temperature (Storage)	-4°F (-20°C) to 140°F (60°C)
Humidity (Operating)	10% to 90% RH (non-condensing)
Humidity (Storage)	10% to 90% RH (non-condensing)
Thermal Dissipation (Max)	251.1 BTU/hr



## AMX Precis® 8x8+4 4K60 HDMI Matrix Switcher

Fixed matrix switching solution with 8 HDMI inputs, 8 HDMI outputs, and 4 HDBaseT outputs  
 PR01-0808 (FG1020-800)

Front



Rear



### Overview

The AMX Precis 8x8+4 Matrix Switcher is a cost effective 4K60 4:4:4 fixed matrix switching solution which features 8 HDMI inputs and outputs. 4 of the outputs 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 a cost-effective solution for distributing video over longer distances without degrading video quality.

The PR01-0808 supports HDMI 2.0, HDCP 2.2, and HDR providing compatibility with the latest source and display resolutions in an affordable fixed matrix solution. Because the Precis includes dynamic audio de-embedding capabilities, the switcher can be used in more applications without additional complexity. With its fixed configuration, the AMX Precis provides a switching solution that is cost-effective and easy to specify, procure, and install.

### Common Applications

The AMX Precis PR01-0808 8x8+4 Matrix Switcher is a cost-effective switching solution for small to mid-range applications including corporate, education and government environments.

### Features

- **4K60 4:4:4 Support** – Experience pixel-for-pixel video reproduction of 4K60 source video with full 4:4:4 color space.
- **High Dynamic Range (HDR) Support** – Support for HDR
- **HDMI 2.0 & HDCP 2.2** - Supports the latest video standards to realize the full capabilities of HDMI interfaces
- **Mirrored HDBaseT Outputs** – Connect to PR01-RX receivers or directly to a display or projector that supports standard HDBaseT.
- **Fixed configuration** – simple design and implementation.
- **Audio De-embed capabilities** – flexible design for use in more applications.
- **NetLinx Native** – Easy integration with AMX automation systems.
- **Open Control API** – Integrates into designs with any control system

# AMX PR1-0808

## Specifications

General	
Dimensions	12.6 in (32 cm) depth 17.32 in (44 cm) width 1.71 in (4.35 cm) height
Weight	Approx. 4 lbs. (8.75 kg)
Mounting Options	Includes mounting brackets
AMX Products Compatible with HDBaseT Out	PR01-RX
Airflow Approvals	Forced air cooling left to right
Regulatory Compliance	CE/FCC/ETL/PSE/RCM
Twisted Pair Cable Type	Shielded Cat6, Cat6A and Cat7
Twisted Pair Cable Length	Up to 262 ft. (80 m) for full 4K signal support Up to 328 ft. (100 m) for 1080p and below
Included Accessories	1x US AC Cable 1x EU AC cable 1x UK AC cable 12x 3P-3.5MM Phoenix Connectors 1x IR Receiver 4x IR Receiver 1x USB-DB9 Cable 1x IR Controller 2x 1U mounting ear 8x M3*L7 screw (for mounting ears)

Active Power Requirements	
AC Power	AC 100~240V 50/60Hz
Power Capacity (Typ 4K)	97 Watts
Power Connector	IEC Power Connector

Power Supply	
Internal, Included	Yes

Environmental	
Temperature (Operating)	32° F to 125.6° F (0° C to 50° C)
Temperature (Storage)	14° to 140° F (-10° to 60° C)
Humidity (Operating)	5% to 85% RH (non-condensing)
Humidity (Storage)	5% to 85% RH (non-condensing)
Thermal Dissipation	341.2 BTU/hr

Back Connectors	
AC Power	IEC Power Cord Connector
HDMI Input	(8) HDMI Type A Port
HDMI Output	(8) HDMI Type A Port
LAN10/100 Ethernet Port	RJ-45 Connector, TCP/IP Port
HDBaseT Output	(4) RJ-45 Connector
IR RX (HDBaseT Pass-through)	(4) 3.5mm Mini-Stereo Jack
RS-232 HDBaseT Pass-through	(4) 3 Position 3.5mm pluggable Phoenix Terminal Block
Analog Stereo Output	(8) 3 Position 3.5mm pluggable Phoenix Terminal Block
RS-232 (Control)	(1) DB-9 Connector
IR Ext.	(1) 3.5mm Mini-Stereo Jack
Program	(1) USB Micro-B Port

Front Indicators	
Input Selection LCD	White LED Number Segments

# AMX 4x1+1 4K60 HDMI Windowing Processor

PR-WP-412 (FG# AMX-PR-WP-412)



## Overview

The PR-WP-412 is an incredibly versatile and powerful AV solution that is both a fully featured 4x1+1 windowing processor 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 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.

## Common 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 a cost-effective solution to switch or combine 4K60 4:4:4 HDMI sources on a single display.

## Features

**Perfect 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

## AMX PR-WP-412

**HDMI 2.0 & HDCP 2.2** - Supports the latest video standards to realize the full capabilities of HDMI interfaces

**High Dynamic Range (HDR) Support** – Support for Deep Color

**Multi-Window 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

## Specifications

General	
Dimensions	8.07 in (20.5cm) depth 8.4 in (21.35cm) width 1.73 in (4.4cm) height
Weight	Approx. 3.1 lbs (1.4 kg)
Shipping Weight	Approx. 5.1 lbs (2.3 kg)
Mounting Options	V-Style surface mount brackets (AVB-VSTYLE-SURFACE-MNT) V Style Single Module Pole Mounting Kit (AVB-VSTYLE-POLE-MNT) V-Style Rack Shelf (NMX-VRK)
MTBF	357,865 hrs
Airflow Approvals	Forced air cooling from right to left (openings on sides of case)
Regulatory Compliance	FCC Part 15 Class B EN 55032 EN 55035 CB IEC/EN 60950 CB IEC/EN 62368-1 UL 62368-1 RoHS/REACH EMC (Australia) EMC (Canada) EMC (UKCA) Prop65
Included Accessories	1x 12V/3A DC Power Adapter 1x US Pins 1x EU Pins 1x UK Pins 1x AU Pins 3x 3-Pin Terminal Blocks 4x Shockproof Feet

# AMX 4K HDMI to USB Capture Device

UVC1-4K (FG# AMX-UVC1-4K)



## Overview

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 4096×2160p@60 4:4:4, HDR, and 10-bit per channel Deep Color and outputs resolutions up to 3840×2160p@30fps (NV12, I420) or 1920×1080p@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.

## Common Applications

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.

## Features

**HDMI 2.0 Support** - HDMI video input supports resolutions up to 4096×2160p@60 4:4:4, HDR, and 10-bit per channel Deep Color

**USB 3.0 Capture** - UVC video output supports resolutions up to 3840×2160p@30fps (NV12, I420) or 1920×1080p@60fps (YUY2, P010)

## AMX UVC1-4K

**Audio Input Embedded** - Audio input support includes analog stereo audio and HDMI embedded audio

**Support for Popular OS Platforms** - Windows 10 (64-bit), macOS (10.12 or newer)

**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

### Specifications

GENERAL	
Dimensions (H x W x D)	0.66" x 1.43" x 3.44" (17 mm x 36.3 mm x 87.3 mm)
Weight	3.3 oz (93.62 g)
Regulatory Compliance	FCC Part 15 Class B EN 55032 EN 55035 RoHS/REACH EMC (Australia) EMC (Canada) EMC (UKCA) Prop65
Video Inputs	(1) HDMI 2.0
Video Outputs	(1) USB 3.0; supports UVC 1.1
Video Input Resolutions	Up to 4096x2160p@60fps (4:4:4 10-Bit HDR)
UVC Output Resolution	4096x2160p@60/50fps and 3840x2160p@60/50fps inputs will be output at 3840x2160p@30fps (NV12, I420) or 1920x1080p@60fps (YUY2, P010) For all inputs below 3840x2160p@30fps, UVC1-4K outputs will match the input resolution
Audio Inputs	HDMI Embedded Audio / 3.5mm Analog Stereo Audio
Ports	HDMI Input: (1) HDMI Type A Socket; Analog Stereo Input: (1) 3.5 mm TRS audio jack; USB 3.0: (1) USB Type C Socket
Environmental	
Temperature (Operating)	32°F (0°C) to 104°F (40°C)
Temperature (Storage)	-4°F (-20°C) to 158°F (70°C)
Humidity (Operating)	10% to 90% RH (non-condensing)
Humidity (Storage)	10% to 90% RH (non-condensing)

#### About AMX by HARMAN

Founded in 1982 and acquired by HARMAN in 2014, AMX® is dedicated to providing AV solutions for an IT World. AMX solves the complexity of managing technology with reliable, consistent and scalable systems comprising control, video switching and distribution, digital signage and technology management. AMX systems are deployed worldwide in conference rooms, classrooms, network operation/command centers, homes, hotels, entertainment venues and broadcast facilities, among others. AMX is part of the HARMAN Professional Group, the only total audio, video, lighting, and control vendor in the professional AV market. HARMAN designs, manufactures and markets premier audio, video, infotainment and integrated control solutions for the automotive, consumer and professional markets. ©2021 Harman. All rights reserved. Specifications subject to change.