

AJA IPR-10G2-HDMI Single Channel SMPTE ST 2110 Video and Audio IP Decoder to HDMI 1.4b (UltraHD/HD) with hitless switching

IPR-10G2-HDMI provides monitoring of UltraHD and HD SMPTE 2110 signals across 10 GigE to a HDMI output.

It receives SMPTE ST 2110 over 10 GigE connectivity, formats the data, including UltraHD or HD video on a full-size HDMI interface. Associated audio from the video stream is extracted, synchronized, and embedded into the HDMI interface and also output on an analog RCA interface.

The IPR-10G2-HDMI features 2x 10 GbE SFP+ cages allowing “hitless switching”, providing redundancy protection for critical distribution and monitoring applications.

The IPR-10G2-HDMI also offers 1x Reference In via BNC. This makes it ideal for integrating into existing basebands environments such as master control, a truck, or an edit suite.

IPR-10G2-HDMI extracts a SMPTE ST 2110 essence from an incoming IP stream and presents it for display on HDMI devices. Providing two SFP+ cages for protection with "hitless switching". Its rugged, fanless, Mini-Converter design is ideal for placement in a wide range of display and device scenarios, from studios to field.

Features

- SMPTE 2110 audio, video receiver
- Supports UltraHD up to 30p and HD up to 60p, YCbCr 4:2:2
- Rugged, fanless design
- 2x 10 GigE SFP+ cages for media LAN (providing support for "hitless switching) with status light
- 1x 1 GigE RJ45 socket for control LAN with status light
- Dedicated HDMI receiver with full size HDMI 1.4b video port
- Full 10-bit pixel processing pipeline
- Embedded HDMI audio output (up to eight channels)
- 2x RCA analog audio output
- 1x BNC Reference In
- 1x mini-USB port for initial network configuration with AJA eMini-Setup software
- Complete control interface on any web browser from a built-in webserver
- Customizable control with AJA REST API
- 5-year international warranty and support

Monitor ST 2110 Video and Audio from anywhere on the Network.

The IPR-10G-HDMI is a SMPTE ST 2110 to HDMI Mini-Converter suited for point-of-use applications including source monitoring and an HDMI feed to compatible devices.

The AJA IPR-10G-HDMI receives SMPTE ST 2110 IP video and audio, then formats the data for output on a full size HDMI 1.4b interface.

With 3G/1.5G-SDI routers often at capacity while facilities await their transition to IP, there is a huge benefit in being able to send video sources from a feed, camera, router or edit bay via IP and provide HDMI monitoring at the destination.

The audio associated with the video stream is extracted, synchronized, and then embedded into the HDMI interface as well as output on an analog RCA interface.

Workflow

IPR-10G2-HDMI provides HDMI output from SMPTE ST 2110 video and audio over IP streams. Combine your IPR-10G2-HDMI units with AJA KONA IP for HD (I/O card for use in desktop workstations) or receive UltraHD or HD from servers and more to instantly create a real-world ST 2110 workflow for video over IP production and monitoring.

User Control

IPR-10G2-HDMI provides two key methods for control. The Control LAN Ethernet port enables control of the Mini-Converter from web browsers on any platform and REST clients. The mini-USB connector facilitates quick and simple initial network configuration, and firmware updates.

- 1x RJ-45 (IEC 60603-7) for 10/100/1000 Base-T Ethernet (IEEE 802.3-2012)
- HTTP/1.1 (RFCs 7230, 7231, 7232, 7233, 7234, 7235)
- Web and REST clients supported
- 1x USB 2.0 Mini-B (IEC 62680-1) connector
- AJA eMini-Setup of network parameters

Universal Power Supply

All AJA Mini-Converters ship with a universal power supply that includes international plug connections for use around the world.

Compact and Portable

AJA Mini-Converters are small enough to fit behind a monitor, in the back of a rack or directly on a camera rig. A locking power connector

can't accidentally pull loose and an optional P-TAP power cable allows for battery power in remote locations.

AJA Quality - Guaranteed

All AJA Mini-Converters are covered by a five year warranty and AJA's advanced replacement policy. If a replacement is necessary, AJA will ship a new unit immediately without the need to send the original unit back first, ensuring you are up and running again as quickly as possible.