



IPR-10G-HDMI

IPR-10G-HDMI provides monitoring of HD SMPTE ST 2110 signals via HDMI and support for UltraHD up to 30p. It receives SMPTE ST 2110 over 10 GigE connectivity, formats the data for output on a full-size HDMI interface, and the associated audio from the video stream is extracted, synchronized, and embedded into the HDMI interface and also output on an analog RCA interface.

\$1,145 US MSRP

<https://www.aja.com/products/ipr-10g-hdmi>

Video Format

- (UltraHD) 3840 x 2160p 23.98, 24, 25, 29.97, 30
- (HD) 1920x1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (HD) 1920x1080i 50, 59.94
- (HD) 1280x720p 50, 59.94, 60
- (SD) 625i 50
- (SD) 525i 59.94

Video Quality

- 10-bit, 4:2:2, uncompressed

Discovery, Registration and Control

- NMOS
- Ember Plus (no discover, control only)

Media Transport Interfaces

- SMPTE ST 2110
 - 1x SFP+ Cages - SFPs not included
- Recommended 10 GigE SFP+ modules:
 - Arista Networks SFP-10G-SR Compatible 10GBASE-SR
 - Fiberstore SFP-10GSR-85 10G SFP+ 850nm
 - Finisar FTLX1471D3BCL (for single mode 1310nm)
 - Mellanox MFM1T02A-SR 850nm 10G

Note: Maximum supported SFP+ power is 500 mWatts

Video Input IP

- SMPTE ST 2110
 - Single channel input

Video Output Digital

- 1x HDMI Standard Type A connector
 - HDMI v1.4b 24/30-bits per pixel, RGB/YUV

Audio Output Digital

• Up to 8-Channel embedded audio, 24-bit per channel, 48 kHz synchronous

Audio Output Analog

- 2x RCA analog audio
 - Levels at -10 dBu (nominal)

User Controls

- 1 x 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
- 1 x USB 2.0 Mini-B (IEC 62680-1) connector
 - AJA eMini-Setup of network parameters

Size (w x d x h)

- 5.53" x 4.48" x 0.954" (140.46 x 113.79 x 24.23 mm)

Weight

- 0.6 lb (0.3 kg)

Power



- 5-20VDC Regulated, 13 Watts (estimated), Power supply required (included with purchase)

Environment

- Safe Operating Temperature: 0 to 40 C (32 to 104 F)
- Safe Storage Temperature (Power OFF): -40 to 60 C (-40 to 140 F)
- Operating Relative Humidity: 10-90% noncondensing
- Operating Altitude: <3,000 meters (<10,000 feet)