



IP25-R

The AJA IP25-R is a next-generation IP Converter that seamlessly bridges SMPTE ST 2110 IP video networks with traditional SDI and HDMI infrastructures. Engineered for professional broadcast, production, and live event workflows, the IP25-R offers dual 25 GigE network ports, 4x 12G-SDI BNC outputs, and 2x HDMI 2.0 outputs, delivering pristine video up to 4K DCI (4096x2160p60) with ultra-low latency.

\$3,995 US MSRP

<https://static.aja.com/products/ip25-r>

Video Formats

- (4K) 4096x2160p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (UHD) 3840x2160p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (2K) 2048x1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (HD) 1920x1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (HD) 1920x1080i 50, 59.94, 60
- (HD) 1280x720P 50, 59.94, 60

Media Transport Interfaces (In-Band)

- Uncompressed media (SMPTE ST 2110-20, 30, 40)
- PTP
- Configuration & Control
- 2x SFP28 Cages (redundant only)- SFPs not included
- Supports 10 GigE and 25 GigE SFPs

RJ-45 1 GigE Interface (Out-of-Band)

- Configuration & Control

Input Uncompressed IP

- SMPTE ST 2110-20 Video
 - YCbCr 4:2:2 10-bit
 - 6-stream input*
 - Rx support for Narrow and Wide Senders
 - RX support for Class-A, B, C, D SMPTE ST 2022-7 redundancy
- SMPTE ST 2110-30 Audio
 - Up to 24 stream input*
 - 1, 2, or 4 streams per video*
 - Up to 16-channel audio per stream, 24-bit per channel, 48 kHz synchronous
 - 1ms and 125us timing
- SMPTE ST 2110-40 Ancillary
 - 6-stream input

*Format dependent

Output Uncompressed IP

- SMPTE ST 2110-20 Video
 - YCbCr 4:2:2 10-bit
 - 4-stream output*
 - Tx support for ST 2022-7
 - Tx senders are Narrow Gapped
- SMPTE ST 2110-30 Audio
 - Up to 16 stream output*
 - 1, 2, or 4 streams per video*
 - Up to 16-channel audio per stream, 24-bit per channel, 48 kHz synchronous*
 - 1ms and 125us timing
- SMPTE ST 2110-40 Ancillary
 - 6-stream input

*Format dependent

Discovery, Registration, and Control

- NMOS Tx/Rx support according to standards IS-04 v1.3 and IS-05 v1.1
- DNS-SD + mDNS
- LLDP
- In-Band and Out-of-Band
- L2, L3 with SSM
- IGMP v2, v3

Video Input and Output Digital

- 4x 12G-SDI Bi-directional BNC connectors (ST-292/424/2081/2082) *
 - HDR aware with pass-through and configuration for Colorimetry and Transfer Characteristic
 - YCbCr 4:2:2
 - 10-bit
 - 4k/UHD/HD
- 2x HDMI Standard Type A connector
 - HDMI v2.0b
 - HDR aware with infoframe pass-through and configuration for Colorimetry and Transfer Characteristic
 - YCbCr 4:2:2 10-bit
 - RGB 4:4:4 8-bit

- 4k/UHD/HD

* Product Mode dependent

Audio Output Digital

- SDI embedded audio, 24-bit, 16-channel
- HDMI embedded audio, 24-bit, 8-channel

IP Clock

- PTP support compliant with PTP PTPv2, PTPv3 / IEEE 1588-2008
- SMPTE ST 2059-1 compliant

User Interface

- 1x RJ-45 1 GigE Ethernet
 - Web and REST clients supported for remote network setup and configuration
- 1x USB-C port for initial Static IP configuration using AJA eMini-Setup
- Web and REST configuration is also supported in-band over media ports

Size (w x d x h)

- 5.0" x 8.09" x 1.65" (127 x 205.49 x 41.81 mm)

Weight

- 1.92 lbs (.87 kg)

Power

- Enclosure: 10-16VDC regulated, 4-pin mini-XLR, 16W typical 3G-SDI, 21W typical 12G-SDI, 25W max
- AC Adapter included: 100-240VAC, 50/60 Hz, universal input, 60W

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)