



HDR Image Analyzer 12G

HDR Image Analyzer 12G delivers a comprehensive array of tools for the effective analysis of the latest 4K/UltraHD HDR standards, over a single cable with 12G-SDI, – including HLG, PQ, Rec.2020 and Rec.709 – from 8K/UltraHD2/4K/UltraHD/2K/HD content in a convenient real time 1RU device.

Developed in partnership with Colorfront, AJA HDR Image Analyzer 12G supports a wealth of inputs from camera LOG formats to SDR (REC 709), PQ (ST 2084) and HLG and offers color gamut support for BT.2020 alongside traditional BT.709. AJA hardware prowess ensures high reliability and performance, with 4x 12G-SDI bidirectional I/O, and DisplayPort connections.

Specifically designed to be used wherever needed, the 1RU form factor fits into a range of environments, providing the confidence you need for consistent and predictable HDR production and mastering.

SDR/HDR Image Analyzer Tool

- HDR Waveform, Histogram and Vectorscope Monitoring

Video Format

- (8K) 8192 x 4320p 23.98, 24, 25, 29.97, 30, 47.95, 48, 50, 59.94, 60
- (UltraHD2) 7680 x 4320p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (4K) 4096 x 2160p 23.98, 24, 25, 29.97, 30, 47.95, 48, 50, 59.94, 60
- (UltraHD) 3840 x 2160p 23.98, 24, 25, 29.97, 30, 48, 50, 59.94, 60
- (2K) 2048 x 1080p 23.98, 24, 25, 29.97, 30, 47.95, 48, 50, 59.94, 60
- (2K) 2048 x 1080PsF 23.98, 24, 25, 29.97, 30
- (HD) 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (HD) 1080PsF 23.98, 24, 25, 29.97, 30
- (HD) 1080i 50, 59.94, 60
- (HD) 720p 50, 59.94, 60

Video Input Digital

- 4x 12G-SDI BNC
- 12G-SDI, SMPTE-259/292/296/424/425/2081/2082, 12-bit, 10-bit and 8-bit

SDI I/O

- SDI connections are bidirectional
 - 8K/UltraHD2 with 12G-SDI, all four connections must be used for input only
 - 4K/UltraHD with 12G-SDI, input and loop out are simultaneous
 - 4K/UltraHD with 3G-SDI, all four connections must be used for input only
 - 2K/HD, input and loop out are simultaneous

Note: When connections are configured for 12G-SDI or 6G-SDI, only UltraHD2/8K/UltraHD/4K formats are supported.

Audio Input Digital

- 16-channel 24-bit SDI embedded, 48 kHz synchronous

Audio Output Digital

- 16-channel 24-bit SDI embedded, 48 kHz synchronous

Computer Monitor Output



- 4x Display Port Outputs:
 - Up to UltraHD 60p

Reference Input

- Signal: Analog video sync (Blackburst or Tri-Level)

Size (w x d x h)

- 1RU form factor
- 17.2" x 16.9" x 1.7" (436.88 x 429.26 x 43.18 mm)

Weight

- 28 lb (12.7kg) in box
- 18 lb (8.2kg) server only

Power

- 100-240 VAC 50/60 Hz (Dual, redundant power supplies)
- 190W typical, 245W Maximum

Environment

- Safe Operating Temperature: 5 to 35 C (41 to 95 F)
- Safe Storage Temperature (Power OFF): -40 to 60 C (-40 to 140 F)
- Operating Relative Humidity: 8-90% noncondensing
- Non Operating Relative Humidity: 5-95% noncondensing