



Corvid 44

Increase your video and audio I/O capacity with Corvid 44. Configure each SDI connection individually as input or output and mix formats for up to four HD or SD channels on a single card. As demand rises for higher resolutions, combine SDI connections into a single 4K/UltraHD channel, allowing incredible flexibility and futureproofing.

\$ US MSRP

<https://static.aja.com/products/corvid-44>

Video Formats

- (4K) 4096 x 2160p 23.98, 24, 25, 29.97, 30, 47.95 A/B, 48 A/B, 50 A/B, 59.94 A/B, 60 A/B
- (UltraHD) 3840 x 2160p 23.98, 24, 25, 29.97, 30, 48 A/B, 50 A/B, 59.94 A/B, 60 A/B
- (2K) 2048 x 1080p 23.98, 24, 25, 29.97, 30, 47.95 A/B, 48 A/B, 50 A/B, 59.94 A/B, 60 A/B
- (2K) 2048 x 1080PsF 23.98, 24, 25, 29.97, 30, 47.95 A/B, 48 A/B, 50 A/B, 59.94 A/B, 60 A/B
- (HD) 1080p 23.98, 24, 25, 29.97, 30, 50 A/B, 59.94 A/B, 60 A/B
- (HD) 1080PsF 23.98, 24, 25, 29.97, 30
- (HD) 1080i 50, 59.94, 60
- (HD) 720p 50, 59.94, 60
- (SD) 625i 50
- (SD) 525i 59.94

Video Input Digital

- 3G-SDI, SMPTE 425
 - RGB 4:4:4 12-bit*, YCbCr 4:2:2 10-bit
- 1.5G-SDI, SMPTE 292M
 - Single Link HD-SDI YCbCr 4:2:2 10-bit
 - Dual Link RGB 4:4:4 12-bit*, Dual Link YCbCr 4:2:2 10-bit
- 270 Mbps SDI, SMPTE 259M-C
 - YCbCr 4:2:2 10-bit, 8-bit

*Bit depth support is application dependent. Check with your software manufacturer for compatibility.

Video Output Digital

- 3G-SDI, SMPTE 425
 - RGB 4:4:4 12-bit*, YCbCr 4:2:2 10-bit
- 1.5G-SDI, SMPTE 292M
 - Single Link HD-SDI YCbCr 4:2:2 10-bit
 - Dual Link RGB 4:4:4 12-bit*, Dual Link YCbCr 4:2:2 10-bit
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*Bit depth support is application dependent. Check with your software manufacturer for compatibility.

HDR

- SDI: VPID signaling for SDR/HDR Transfer Characteristics, Colorimetry and Luminance

Audio Input Digital

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

Audio Output Digital

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

Reference

- Analog Color Black or HD Tri-level sync

BNC

- 4x 3G-SDI
 - Din 1.0/2.3

Electrical Interface

- 4-lane PCIe 3.0

Size (w x d x h)

- 0.88" x 7.25" x 4.88" (22.36 x 184.15 x 123.96 mm)

Weight

- 0.4 lb (0.2 kg)

Power

- 17W typical, 20W maximum

Environment

- Safe Operating Temperature: 0 to 40 C (32 to 104 F)
- Safe Storage Temperature (Power OFF): -40 to 70 C (-40 to 158 F)
- Operating Relative Humidity: 10-90% noncondensing



- Operating Altitude: <3,000 meters (<10,000 feet)
- Airflow across the board if the fan is removed:
 - 100LFM @25deg C or lower, computer chassis must have vented opening to exterior, immediately adjacent to PCIe shield (heatsink side), to permit 100LFM across heatsink