



# 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.

**\$2365 US MSRP**

<https://www.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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## 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

- 8-lane PCIe 2.0

## 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, 19W 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 for fanless models
  - 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