

AJA Corvid 44 12G BNC Fanless (T, NC) 8K 4-Ch 12G-SDI Compact 8-Line PCIe 3.0 I/O Card with Passive Cooling/full-size BNC

Corvid 44 12G BNC Fanless (T, NC) - Tall Bracket, 12G-SDI PCIe, x4 Ch Input/Output, Passive Cooling, full-size BNC connectors.

Take command of the most challenging projects using the immense power of the newest member of the Corvid product line. Corvid 44 12G BNC is AJA's blazingly fast, compact 8-lane PCIe 3.0 I/O card with four bidirectional 12G-SDI full-sized BNC connections, designed for today's most demanding video and audio workflows. Corvid 12G 44 BNC is available in several configurations with passive or active cooling options.

Whether you are working with HFR 8K/4K/UltraHD, 2K/HD, SD, Deep Color and/or HDR, experience the quality and peace of mind that Corvid 44 12G BNC brings to your projects. Supporting 10-bit 4:2:2 and 4:4:4, at up to 12-bit color spaces, Corvid 44 12G BNC offers ingest and output over 12G-SDI, which is also backwards compatible with 6G-SDI, 3G-SDI, and 1.5G-SDI. The bidirectional 12G-SDI ports provide immense flexibility for capture and simultaneous pass-through for a range of solutions.

Features

- 12G BNC I/O for 8K, UltraHD2, 4K, UltraHD, 2K, HD and SD with HFR support up to 8K 60p at YUV 10-bit 4:2:2, and support for RGB 12-bit 4:4:4 up to 8K 30p
- 4x bidirectional 12G BNC ports and 1x Reference In
- LTC Input available via Ref In (switchable) on bracket, or via header on card
- 16-channel embedded BNC audio per 12G BNC port
- 10-bit downstream keyer in hardware, supporting up to 4K resolution
- AJA SDK compatibility on Windows, macOS and Linux, offering advanced features including multi-channel 4K I/O
- 8-lane PCIe 3.0 design
- RS-422 serial control via header on card
- Active cooling or passive heatsink
- Three year warranty

12G-SDI, Multi-Format PCIe I/O Card

Corvid 44 12G BNC boasts four bidirectional 12G-SDI spigots with a Reference Input. 8K Input or Output is possible using quad 12G-SDI cables and 4K/UltraHD I/O can be achieved with either a single 12G-SDI or 6G-SDI cable, or quad 3G-SDI cables. 2K/HD I/O can be achieved with a single SDI cable or dual link SDI, while allowing capture and monitoring via SDI to take place simultaneously.

Corvid 44 12G BNC is available with either active (fan) vs. passive cooling (no fan), with both versions supporting RS422 and LTC Input via headers on top edge of the card.



Raster and Frame Rate Support

Corvid 44 12G BNC supports 8K (8192 x 4320) and UltraHD2 (7680 x 4320) High Frame Rate (HFR) workflows up to 50/60p for the most demanding applications. Film rates of 23.98, 24, 47.95 and 48p are also supported across 8K, 4K, and 2K.

High frame rates are also available on multiple I/O 4K, UltraHD, 1080p and 720p HD up to 50/60p, making Corvid 44 12G BNC extremely flexible for your current and future needs.



Hardware Keying

The built-in hardware downstream keyer allows graphics and images to be easily overlaid on the input video in real time up to 4K.



Reference and LTC Input

Corvid 44 12G BNC provides one external, switchable LTC/Reference Input connection on the back of the card.



RS-422

A built-in RS-422 connection is available as an "internal" connection via a header on Corvid 44 12G BNC. RS-422 allows control of external devices for frame accurate ingest and layoffs.