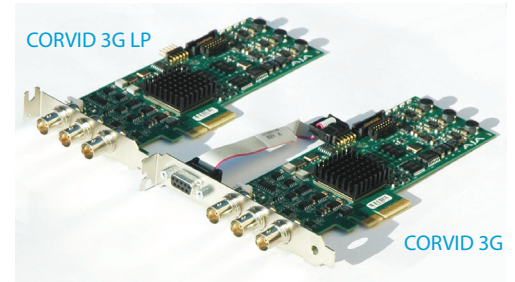


# Corvid 3G

PCIe 4x Card for 8/10-bit Uncompressed Digital 3G, HD, and SD I/O



## RELIABLE AND AFFORDABLE 10-BIT QUALITY

Corvid 3G is AJA's proven platform for digital uncompressed audio and video I/O. Corvid 3G is compatible with Windows XP, Windows 7, Mac OS X, and Linux via our robust and proven SDK environments. Corvid 3G is available in two versions: a standard PCIe "Short" card and a "Low Profile" form factor. Like all of our products, Corvid 3G is built to the highest specifications offering true broadcast-level performance within your systems and applications.

### Major Features

- PCI Express 4 lane
- 1 Channel 3G, HD-SDI or SD-SDI Input, 1 Channel 3G, HD-SDI or SD-SDI Output
- 8/10 Bit YCbCr and RGB framebuffer formats
- 1 Mixer/Keyer
- Available in PCIe form factor (Corvid 3G) or PCIe Low Profile form factor (Corvid 3G LP)
- 16-ch SDI Embedded Audio I/O, 24-bit 48khz
- HD/SD Genlock, Reference Video or LTC Input (selectable)
- 3-year warranty

## MULTIPLE OS SUPPORT, COMMON API, ROBUST SDK

Corvid 3G is compatible with Windows 7, XP, Mac OS X and Linux via our SDK (Software Development Kit), sharing one unified API (Application Programming Interface). This common API means less time developing if you are developing on multiple platforms and even multiple AJA cards. Our SDK's are feature rich and proven through the years.

Our SDK supports multiple OS's, including:

- Windows 7 32-bit
- Windows 7 64-bit
- Windows XP 32-bit
- Windows XP 64-bit
- Mac OS X
- Linux 32-bit
- Linux 64-bit

A more in-depth overview of our SDK can be found on our website, as well as in our OEM Overview whitepaper. Please contact us for more information, as well as additional information on our entire line of OEM cards.

Please continue for technical information on the Corvid 3G.



www.aja.com  
530.274.2048  
800.251.4224 US

## SPECIFICATIONS

### Corvid 3G

PCI Express 4 lane

#### 1 Video Input

Digital:  
3G/HD/SD-SDI, SMPTE-259/292/296/424

#### 1 Video Output

Digital:  
3G/HD/SD-SDI, SMPTE-259/292/296/424

#### 1 Audio Input

Digital:  
16-channel 24-bit SDI embedded, 48KHz synchronous

#### 1 Audio Output

Digital:  
16-channel 24-bit SDI embedded, 48KHz synchronous

#### 1 Independent LTC In/Out

#### 1 Independent RS-422

#### Order Information:

Z-OEM-CRV3GS-R0, CORVID 3G  
Z-OEM-CRV3GT-R0, CORVID 3G LP

#### Video Formats

SD:  
525i 29.97  
625i 25

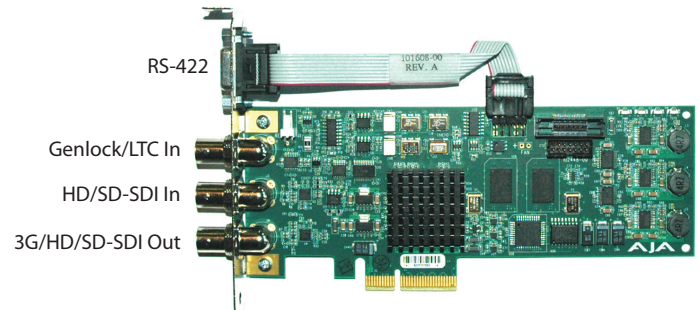
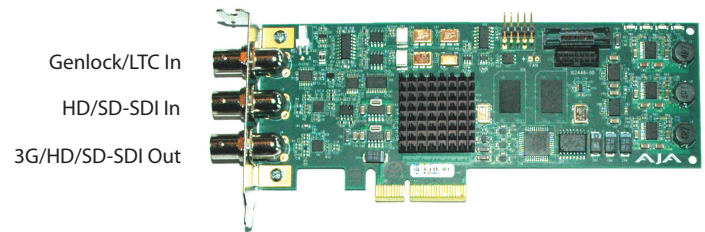
3G/HD:  
720p 50  
720p 59.94  
720p 60  
1080i 25  
1080i 29.97  
1080i 30  
1080PsF 23.98  
1080PsF 24  
1080PsF 25  
1080PsF 29.97  
1080PsF 30  
1080P 23.98  
1080P 24  
1080P 25  
1080P 29.97  
1080P 30  
1080P 50  
1080P 59.94  
1080P 60

2K:  
2048 x 1080P 23.976  
2048 x 1080PsF 23.976  
2048 x 1080P 24  
2048 x 1080PsF 24  
2048 x 1080P 25  
2048 x 1080PsF 25

#### Reference

Analog Color Black  
or HD Tri-level sync

## CORVID 3G LP CARD CONNECTIVITY



## CORVID 3G CARD CONNECTIVITY

### About AJA Video Systems, Inc.

Since 1993, AJA Video has been a leading manufacturer of high-quality and cost-effective digital video interface, conversion and Desktop solutions supporting the professional broadcast and post-production markets.

AJA is headquartered in Grass Valley, California, For further information, please see our website at [www.aja.com](http://www.aja.com)

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VIDEO SYSTEMS

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