



Corvid HB-R

Corvid HB-R has been discontinued.
Please visit the [HDBaseT Family Page](#) for alternative HDBaseT solutions from AJA.

\$ US MSRP

<https://www.aja.com/products/corvid-hb-r>

Video Formats

- (4K) 4096 x 2160p 23.98, 24, 25, 29.97, 30
- (4K) 4096 x 2160p 50, 59.94, 60 (8-bit 4:2:0)
- (UltraHD) 3840 x 2160p 23.98, 24, 25, 29.97, 30
- (UltraHD) 3840 x 2160p 50, 59.94, 60 (8-bit 4:2:0)
- (2K) 2048 x 1080p 23.98, 24, 25, 29.97, 30
- (2K) 2048 x 1080p 50, 59.94, 60
- (2K) 2048 x 1080PsF 23.98, 24, 25, 29.97, 30
- (HD) 1080p 23.98, 24, 25, 29.97, 30
- (HD) 1080p 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
- (SD) 525i 59.94
- (SD) 625i 50

Video Input Digital

- HDMI v1.4b over HDBaseT
 - Video over HDBaseT
 - 24/30/36-bits/pixel, RGB or YUV
 - 300 MHz pixel clock maximum
 - 3.4 Gb TMDS data rate maximum per lane providing an aggregate 10.2 Gbps total bandwidth
 - UltraHD/2K/HD/SD
 - No support for HDCP encrypted video

Video Output Digital

- HDMI v1.4b Output
- Active looped output of HDMI received on HDBaseT input
- No EDID interface
- No support for HDCP encrypted video
- Video out electronic copy of video negotiated at CORVID-HB-R HDMI

receiver input

Audio Input Digital

- Audio over HDBaseT
 - 8-Channels embedded audio
 - 2-Channels discrete RovoCam microphone audio

Audio Output Digital

- 8-Channel HDMI embedded 48 kHz 24-bit

Power Support

- Power over HDBaseT
 - Support for up to 10W output maximum via IEEE 802.3AF interface

RS-232

- Serial port over HDBaseT
 - 115200 Baud interface intended for VISCA camera control

USB

- USB over HDBaseT
 - USB Host intended for camera firmware updates

Interface

- 4-lane PCIe 2.0

Size (w x d x h)

- Conforms to PCIe Card Electromechanical Specification Rev 1.0A Low Profile Add-in Card
- Without bracket: 6.7" x 2.7" x 0.7" (170.18 x 68.58 x 17.78 mm), bracket



is standard full height PCIe card size

Power

- 10-20V, 10W typical for card only, 16W typical when powering RovoCam, 18W max

Environment

- Safe Operating Temperature: 0 to 40 C (32 to 104 F)
- Safe Storage Temperature (Power OFF): -40 to 60 C (-40 to 140 F)
- Operating Relative Humidity: 10-90% noncondensing
- Operating Altitude: <3,000 meters (<10,000 feet)