

AJA KONA-5-R0-S02 12G-SDI I/O 10-bit PCIe Card HDMI 2.0 output with HFR support (PCIe power with no cable)

This listing is for KONA-5-R0-S02 (PCIe power with no cable) Card only. Use description below as a general reference.

Take command of the most challenging projects using the immense power of the newest member of the KONA product line. KONA 5 is AJA's blazingly fast, 8-lane PCIe 3.0 I/O card, designed for today's most demanding video and audio workflows.

Whether you are working with HFR 4K/UltraHD, 2K/HD, SD, Deep Color and/or HDR, experience the quality and peace of mind that KONA 5 brings to your world. Supporting 10-bit 4:2:2 and 4:4:4, or even 12-bit* color spaces for pristine imagery, KONA 5 allows the flexibility to ingest and output with 12G/6G/3G-SDI and monitor with a full-size HDMI 2.0 port. The bidirectional 12G-SDI ports provide immense flexibility for capture and simultaneous pass through, and with the appropriate software, multi-channel capture and streaming.

For HDR workflows, KONA 5 supports HDR10 and HLG* for rich color delivery over HDMI 2.0. KONA 5 has the power for the work you do today and into the future.

**Application dependent*

Features

- Supports 4K and UltraHD ingest and output at frame rates up to 50/60 fps
- Supports 4:4:4 and 4:2:2 workflows
- 10-bit 4K/UltraHD and 2K/Dual Link/HD/SD input and output
- 12-bit color support (application dependent)
- HDMI 2.0 output (4K/UltraHD HFR 4:2:2 10-bit)
- HDR10 support - HDR Infoframe metadata, in accordance with HDMI 2.0a/CTA-861.3
- HLG (Hybrid Log Gamma) support
- 8-Ch AES/EBU, 8-Ch embedded HDMI, and 16-Ch embedded SDI digital audio I/O
- Reference Input on card (Analog black burst or Tri-level)
- Extend external connectivity with included breakout cable
- RS-422 support on 9-pin connector
- macOS, Windows and Linux support

Professional Connectivity: 12G-SDI and HDMI 2.0

KONA 5 boasts 4x bidirectional 12G-SDI spigots with a Reference Input 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 3G-SDI cable, or dual link 1.5G-SDI, while allowing capture and monitoring via SDI to take place simultaneously.

A full-sized HDMI 2.0 connection offers monitoring and output, with HDR, Deep Color and HFR support. Across the board, KONA 5 is the professionals choice for post, broadcast, graphics, virtual sets, pre-viz, live compositing and more.

Extended Connectivity

KONA 5 ships with an included breakout cable that offers extensive connectivity for AES, RS-422 control support and Reference:

- 8-Channels of AES/EBU (BNC) In
- 8-Channels of AES/EBU (BNC) Out
- RS-422 9-pin connector for control
- LTC In and Out

HDR

HDR (High Dynamic Range) provides the ability to display a wider and richer range of colors, much brighter whites, and much deeper, darker blacks than standard signals allow. This gives your imagery a more 'dynamic' look and allows for natural true to life colors to be communicated to your audience.

KONA 5 delivers robust HDR compatibility to HDMI displays with support for HLG and HDR10 with HDR Infoframe metadata, in accordance with HDMI2.0a/CTA-861.3 and HD.

Workflow

KONA 5 offers powerful next generation performance for a range of workflows. Extensive and flexible connectivity will put KONA 5 at the center of your multi-format projects.

Sync Up

KONA 5 can be locked to an external reference for integration into larger productions, or feed LTC in and out to ensure footage captured with KONA 5 has the proper timecode.