



RovoCam

Integrated UltraHD/HD Camera with HDBaseT



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RovoCam's HDBaseT interface delivers pristine UltraHD/HD uncompressed video, audio, control and power over a single CAT 5e/6 cable.

RovoCam is AJA's first compact block camera for industrial, corporate, security, ProAV and broadcast applications.

Gorgeous UltraHD and HD imagery is obtained with superior Sony® optics with built-in 12x optical and up to 20 x zoom with Sony Super Resolution Zoom, auto and manual focus.

Housed in a rugged machined aluminum case with multiple mounting options, RovoCam delivers the flexibility, power and feature set to accommodate a variety of applications.

A single Cat 5e/6 cable carries all uncompressed video, 2-Channel audio, VISCA camera control, and power for the simplest installation ever due to RovoCam's integrated HDBaseT interface.

Delivering this much functionality and power with single cable connectivity dramatically simplifies the installation, camera setup and footprint requirements.

RovoRx-HDMI, the companion receiver unit, offers the simplest reception option for RovoCam with an HDMI output to drive displays, and all video/audio signals, power, and control offered over HDBaseT.



HDBaseT

RovoCam features an integrated HDBaseT transmitter. Not only does HDBaseT offer long cable runs over standard Cat 5e/6 cable, it also passes RovoCam's gorgeous UltraHD/HD imagery, audio, control of the camera, and power to the unit across significant distances. Simple to install, simple to operate.



UltraHD and HD Resolution

RovoCam offers flexible image resolutions with fantastic Sony optics and powerful zoom capabilities providing UltraHD up to 29.97p or high frame rate HD support up to 60p. RovoCam utilizes Sony's back illuminated 1/2.3 type 8.9 megapixel CMOS sensor for excellent performance.



Complete Control

RovoCam is simple to control via flexible software and hardware support. RovoCam offers local RS-232 connectivity, while Sony VISCA protocol support, video, audio and camera control can be carried over a single Cat 5e/6 cable through HDBaseT. Whether you prefer simple software or the immediacy of a compatible joystick, the choice is yours.

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Camera Supported Video Formats

- (UltraHD) 3840x2160p 25, 29.97
- (HD) 1080p 50, 59.94
- (HD) 1080i 50, 59.94
- (HD) 720p 50, 59.94
- 720x480p 59.94
- 720x576p 50

Video Output Digital

- HDBaseT (RJ-45, requires Receiver Unit)

Audio Input Analog

- 1 x 3.5mm TRS Input with 3V PIP (Plug in Power)

RS-232

- 1 x 3.5mm TRS input for VISCA camera control.
*RS-232 can also pass the control from the RovoRx-HDMI Unit as well.

User Interface

- VISCA Compatible Control Software and hardware

Physical

- Width: 2.8" (71mm)
- Length: 5.9" (149.9mm)
- Height: Including tripod mount and cold shoe - 3.6" (91.4mm)
- Power: 10-12Vdc 2 pin pluggable terminal block, 0.6A max
- 6W typical, 8W max OR Power over HDBaseT
- Conforming to IEEE802.3af-2003 mode A
- 6W typical, 8W max
- Weight: 2.2 lbs (1kg)
- Safe Operating Temperature Range: 0C to 55C (32F to 131F)

Note: Power and RS-232 connections on RovoCam are not needed if those functions are supplied by the HDBaseT interface.

RovoRx-HDMI

Receive and Deliver



RovoRx-HDMI is the ideal HDBaseT receiver for RovoCam, offering the simplest integration of camera control, RS-232, video, audio, and power along a single cable. HDMI and audio outputs on the RovoRx-HDMI support any HDMI device, including affordable consumer displays.

Control and display RovoCam's gorgeous UltraHD/HD imagery remotely with RovoRx-HDMI.

RovoRx-HDMI is an UltraHD/HD HDBaseT Receiver with integrated HDMI video and audio outputs specifically designed to receive RovoCam's output. Receive the RovoCam's video and audio up to 100m away from the camera, and output to HDMI TVs and devices.

The HDBaseT connector on RovoRx-HDMI supports camera uncompressed video, audio, power, and control, all over a single Cat 5e/6 cable, greatly simplifying cabling and systems integration.

RovoRx-HDMI connectivity includes:

- 1 x UltraHD/HD HDMI output
- 1 x RCA stereo audio output
- 1 x USB for firmware upgrades
- 1 x RS-232 for RovoCam control
- 1 x HDBaseT connector (RJ45)

Video Input

- HDBaseT (RJ-45)

Video Output Digital

(When in use with RovoCam)

- HDMI 1.4b

Audio Output Analog

- 2-Channel unbalanced 2 x RCA connectors

RS-232

- 1 x 3.5mm TRS Input for VISCA camera control

USB

- 1 x USB for firmware and additional control

Physical

- Width: 4.03" (102.4mm)
- Length: 5.2" (132mm)
- Height: 0.94" (23.9mm)
- Power: RovoRx-HDMI only: 48V @ 125mA = 6W typical, 48V @ 156mA = 7.5W max
- RovoRx-HDMI powering RovoCam: 48V @ 271mA = 13W typical, 48V @ 312mA = 15W max
- Safe operating temperature range: -5C to 40C (23F to 104F)