RovoCam

RovoCam is AJA's first compact block camera for industrial, corporate, security, ProAV and broadcast applications. RovoCam's HDBaseT interface supports control of UltraHD video, power, stereo audio and RS-232 over a single Cat 5e/6 cable.

There are two companion receivers to choose from; RovoRx-HDMI offers the simplest integration with an HDMI output, stereo audio out, control and power. RovoRx-SDI offers both 6G/3G-SDI and HDMI outputs, plus Genlock and other professional features. Both units provide PoH (Power over HDBaseT) to power RovoCam from a distance. Each interfaces with RovoControl, powerful control software for Mac and PC, offering full control of RovoCam's numerous advanced features.

https://www.aja.com/products/rovocam

$2495 US MSRP

Camera Module

- Sony FCB-ER8300

Video Formats

- (UltraHD) 3840 x 2160p 25, 29.97
- (HD) 1080p 50, 59.94
- HD) 1080i 50, 59.94
- (HD) 720p 50, 59.94
- (SD) 720 x 480p 59.94
- (SD) 720 x 576p 50

Pixel Format

- YUV 4:2:2, RGB 4:4:4

Sensor

- Progressive scan CMOS, 1/2.3 3840 x 2160 8.93 Mega Pixels

Image Processor

- Noise reduction (2D/3D)
- Visibility enhancer ICR (day and night) Slow AE
- High sensitivity
- Gamma
- Defog
- Color enhancement picture effect
- Horizontal and vertical flip
- Spot focus and spot aperture controls

Lens

- Focal Length: 3.9 to 46.8 mm

Focus

- Auto, Manual, One push trigger mode

Lens Control

- Zoom, Focus, Iris, IRCS

F Value

- 1.8 to 2.0

Horizontal Angle of View

- 70.7 degrees (wide)
- 6.2 degrees (telephoto)

Magnification

- 12x optical, 20x or 24x with Super Resolution Zoom

Digital Zoom

- 12x

Super Resolution Zoom

- UltraHD: 1.67x (max 20x combined with 12x optical zoom)
- HD: 2.0x (max 24x combined with 12x optical zoom)

White Balance

- Auto, ATW, Indoor, Outdoor, One Push, Manual, Sodium lamp
- Manual red and blue gain controls

Video Output Digital

- HDBaseT (RJ-45, Requires Receiver Unit such as RovoRx-HDMI)
- Cat 5e 70m (230 ft) or Cat 6a 100m (328 ft)

Audio Input Analog

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

Control

- 1x 3.5mm TRS Input for RS-232/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
- AJA RovoControl software for macOS and Windows
- 1x USB to 3.5mm TRS cable for RS-232 control

Size (w x d x h)

- 2.8" x 5.9" x 3.6" (71.12 x 149.86 x 91.44 mm) (Including tripod mount and cold shoe)

Weight

- 2.2 lbs (1.0 kg)

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

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)