

# AJA RovoRx-SDI UltraHD HDBaseT Extender (Receiver) to 6G/3G-SDI and HDMI with PoH/Genlock

## Video Formats

- (UltraHD) 3840 x 2160p 25, 29.97
- (HD) 1080p 50, 59.94
- (HD) 1080i 25, 29.97
- (HD) 720p 50, 59.94
- (SD) 625i
- (SD) 525i

## Video Input

- HDBaseT (RJ-45), Analog Video reference terminating input

## Video Outputs

- HDMI 1.4b, No EDID negotiation, No embedded audio
- 6G-SDI output on SDI 1-4
- 4 x 6G-SDI while in "DA Mode"
- UltraHD 3840 x 2160p 25, 29.97
- UltraHD 4:2:2 or 4:4:4 (4 x BNC)
- 4K/UltraHD LFR 3.0 GB 2SI (2 x BNC)
- 4K/UltraHD LFR 1.5 GB 2SI (4 x BNC)
- 4K/UltraHD HFR 3.0 GB Level A 2SI (4 x BNC)
- 4K/UltraHD HFR 3.0 GB Level B 2SI (4 x BNC)
- 3G-SDI (Level A or B)
- (HD) 1920 x 1080p 50, 59.94
- HD-SDI
- (HD) 1920 x 1080i 50, 59.94
- (HD) 1280 x 720p 50, 59.94
- SD-SDI
- (SD) 625i 50
- (SD) 525i 59.94

## Video Displays

HDBaseT Cable Run Performance for 4K/UltraHD/HD

W x H	Frame Rate	Color Sampling	Max. Cable Length		Max. Bit Depth
			Cat 5e/6	Cat 6a/7	
1920 x 1080	< 30 fps	4:2:2	100 meters	100 meters	16-bit
	> 30 fps	4:2:2	100 meters	100 meters	12-bit
		4:2:2	70 meters	100 meters	16-bit
2048 x 1080	< 30 fps	4:2:2	100 meters	100 meters	16-bit
	> 30 fps	4:2:2	100 meters	100 meters	12-bit
		4:2:2	70 meters	100 meters	16-bit
3840 x 2160	< 30 fps	4:4:4	70 meters	100 meters	8-bit
	> 30 fps	4:2:0	70 meters	100 meters	8-bit
4096 x 2160	< 30 fps	4:4:4	70 meters	100 meters	8-bit
	> 30 fps	4:2:0	70 meters	100 meters	8-bit

## Audio Output Digital

- 8-Channels (4 pairs) of SDI embedded audio supported
- Rates supported: 48 kHz

\*NOTE: No Audio on HDMI output

## Audio Output Analog

- 1 x RCA connector, 2-Channel unbalanced

\*NOTE: This feature only works when used in conjunction with RovoCam Audio

## RS-232

- 1 x 3.5mm TRS Input for RS-232 bidirectional signal

**USB Config**

- 1 x USB

**Size (w x d x h)**

- 4.66" x 6.97" x 0.94" (118mm x 177mm x 23.9mm)

**Weight**

- 0.8 lbs (0.4kg)

**Power**

- RovoRx-SDI only: 48V @ 303mA = 14.5W typical, 48V @ 335mA = 16W max
- RovoRx-SDI powering RovoCam: 48V @ 450mA = 21.6W typical, 48V @ 480mA = 23W max

**Environment**

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