

AURORA PLUS

4K UHD & Multi-Band Simultaneous Transmission

Model: 7166+3166

- Tri-Band: Operates across three wireless bands 5GHz, 6GHz, and 7GHz with link aggregation capabilities.
- 4K60Hz HDR
- 10-bit with 4:2:2 chroma sampling
- Supports broadcast mode, allowing one-to-many transmission.
- Supports relaying and roaming
- Supports SRT (Secure Reliable Transport)
- Up to 500 m/1600 ft (LoS) transmission range
- Ultra-low latency: <70ms
- Up to 4096x2160 60Hz, 3840x2160 60Hz resolution
- Support timecode transmission
- 4x4 MIMO and Beamforming technologies enhance immunity to interference
- Support 12G-SDI input/output, HDMI input/output, 12G-SDI loopout
- Support Tally, voice intercom and channel scan
- Support RS232/422 bidirectional transparent transmission
- Support RCP control



4K HDR



10-bit 4:2:2



12G-SDI



7G



Intercom



TALLY



500 m+



Ultra-low latency



HDMI



Channel scan

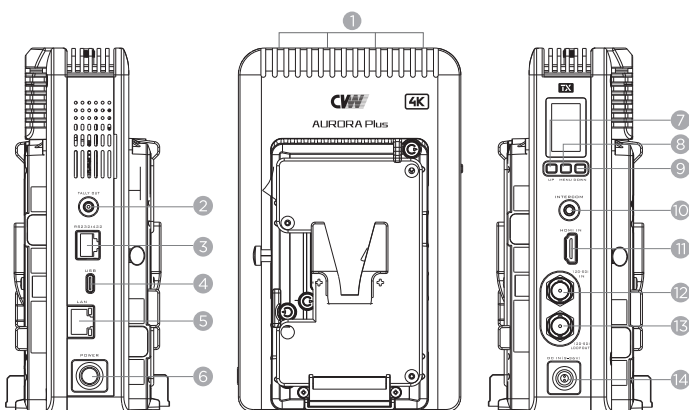


Timecode

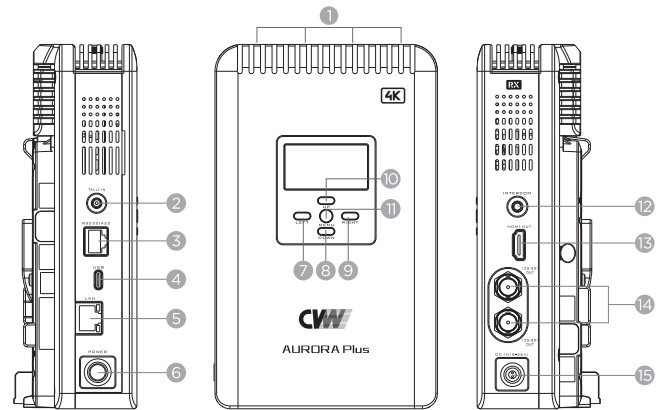


PTZ camera control

Product Interfaces

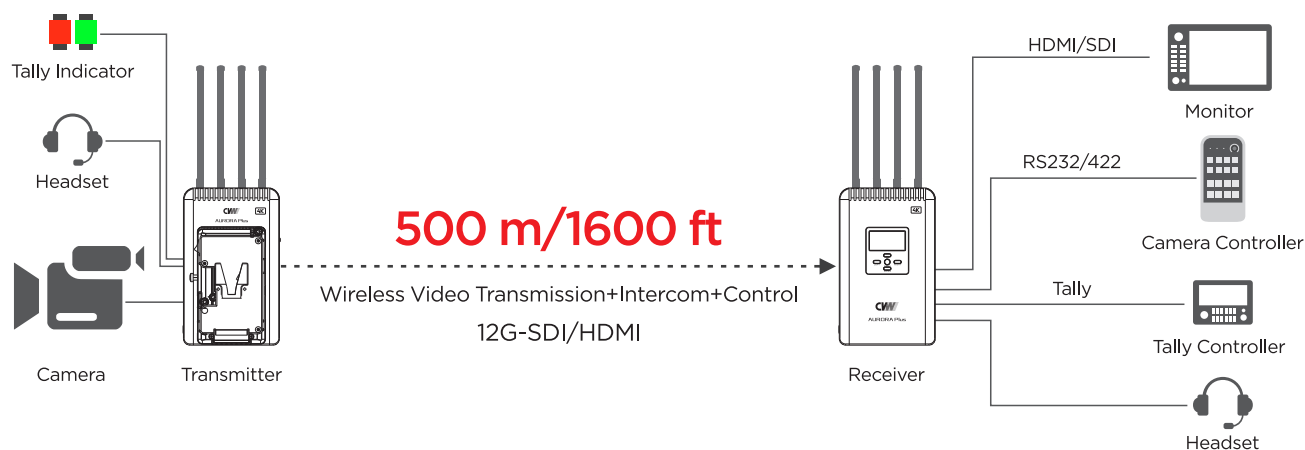


- 1 Antenna Connectors 2 Tally Output 3 RS-232/422 4 USB Port 5 LAN
6 Power Button 7 UP 8 MENU 9 DOWN 10 Intercom
11 HDMI Input 12 12G-SDI Input 13 12G-SDI Loop Output 14 DC IN (9-36V)



- 1 Antenna Connectors 2 Tally Input 3 RS-232/422 4 USB Port 5 LAN
6 Power Button 7 LEFT 8 DOWN 9 RIGHT 10 UP
11 MENU 12 Intercom 13 HDMI Output 14 12G-SDI Output 15 DC IN (9-36V)

Application Diagram



Specifications

Item	Transmitter: 7166	Receiver: 3166
Antenna Mode	4x4	
Operating Frequency	5GHz: 5.150 GHz to 5.855 GHz; 6-7GHz: 5.945 GHz to 7.125 GHz	
Transmission Distance	500 m/1600 ft (LoS)	
Video Resolution	SDI: 4096x2160 23.98/24/25/29.97/30/50/59.94/60Hz 3840x2160 23.98/24/25/29.97/30/50/59.94/60 Hz 1080P 60/59.94/50 Hz (A&B) 1080I 60/59.94/50 Hz 1080P 30/29.97/25/24/23.98 Hz 1080PsF 29.97/25/24/23.98 Hz 720P 60/59.94/50 Hz	HDMI: 4096x2160 23.98/24/25/29.97/30/50/59.94/60Hz 3840x2160 23.98/24/25/29.97/30/50/59.94/60 Hz 1080P 60/59.94/50/30/29.97/25/24/23.98 Hz 1080I 60/59.94/50 Hz 720P 60/59.94/50 Hz
Interfaces	HDMI input, 12G-SDI input, 12G-SDI loopout, Intercom, LAN port, RS232/422, Tally out	HDMI output, 12G-SDI output x2, Intercom, LAN port, RS232/422, Tally in
Operating Voltage	DC 9V-36V	
Temperature	-10° C ~ 55° C; Humidity ≤ 95% (No Condensation)	
Product Size	116(L)x40(W)x190(H)mm	

Packing List



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