



# Shenzhen Hollyland Technology Co.,Ltd

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## COSMO1500--1500ft/450m wireless video transmission system specifications

### Main Function

- Support HDMI (1.3 standard )and 3G SDI input and output
- Support 1080p 60Hz at maximum,no compression no latency
- With AES-128 data encryption technology
- Support point to point, and point to multi-point
- Each RX repaired to unique TX in factory
- 5GHz ISM frequency band, maximum 10 frequency channels selected by user knob, co-exist with wifi
- Support voice communication, can control voice by Mute/call
- Support USB bluetooth module extension, can connect external bluetooth headset
- Support wireless tally function
- Support maximum transmission 500m
- Signal indicator for wireless net status, video status and receiver RSSI
- Wide range power voltage input, adapt most kinds of camera batteries
- Optional Sony F970, V-mount and G-mount battery±8 kv ESD protection level (HBM, contact discharge)
- Industrial metal case, stable and reliable

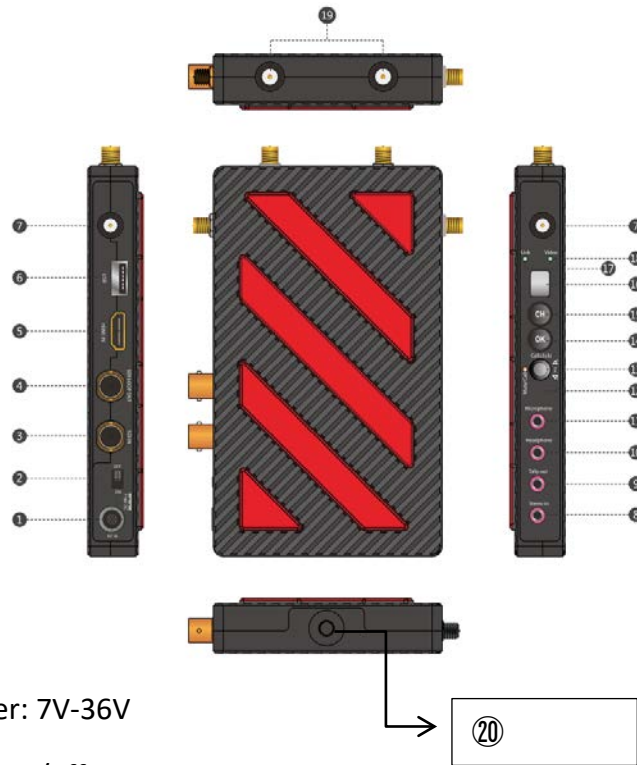
## Performance and index

	Transmitter	Receiver
interface	SDI input/loop out (BNC male) ; HDMI input (Type A female) ; 4xSMA antenna interface ; 4x 3.5mm headset socket; 1x A type USB3.0 interface; DC input (4 pin Lemo female)	SDI output (BNC female) ; HDMI loop out (Type A female) ; 6x SMA antenna interface; 3x 3.5mm headset socket; 1x A type USB3.0 interface; 1x RJ45 network socket; DC input (4 pin Lemo female)
Power range	7-36V DC	7-36V DC
consumption	<8W	<10W
Dimension	(L x W x H): 163x 105 x 22mm, exclude external antenna and battery buckle	(L x W x H): 163x 125 x 22, exclude external antenna and battery buckle
Net weight	0.418gk	0.484kg
Video input format	HDMI: 1080p23.98/24/25/29.9/30/50/5 9.94/60,  1080i 50/59.94/60, 720p 50/59.94/60, 625i , 525i;  SDI: 3G, HD, and SD-SDI ;  SMPTE-259/274/292/296/372/42 4/425	/
Video output format	/	HDMI: 1080p23.98/24/25/29.9/30/50/59.94 /60,  1080i 50/59.94/60, 720p 50/59.94/60, 625i, 525i;  SDI: 3G, HD, and SD-SDI;  SMPTE-259/274/292/296/372/424/4 25
Audio input format	SDI built-in 4 channel 24 bite /48KHz	/

Audio output format	/	SDI built-in 4 channel 24 bite /48KHz
Signal indicator light	Link: green video: yellow	Link: green video: yellow (RSSI) : blue (5 LEDs)
Frequency Band	upstream : 5.1-5.9GHz , can adjust for China,north america and europe frequency band  downstream : 860-960MHz/2.4GHz	upstream: 5.1-5.9GHz, can adjust for China,north america and europe frequency band  downstream: 860-960MHz/2.4GHz
Modulation mode	upstream : OFDM-16QAM downstream: DSSS-QPSK	upstream : OFDM-16QAM downstream: DSSS-QPSK
Transmission power	upstream: maximum 23dBm	upstream: maximum 27dBm
Receiver sensitivity	downstream: -92dBm	downstream: -75dBm
bandwidth	upstream : 40MHz downstream: 1MHz	downstream : 40MHz upstream : 1MHz
Temperature range	0 - 40°C (working) ; -20 - 60°C(storage)	0 - 40°C (working) ; -20 - 60°C(storage)
Certificate	FCC; CE.	FCC; CE

### Product name of each part

Transmitter:

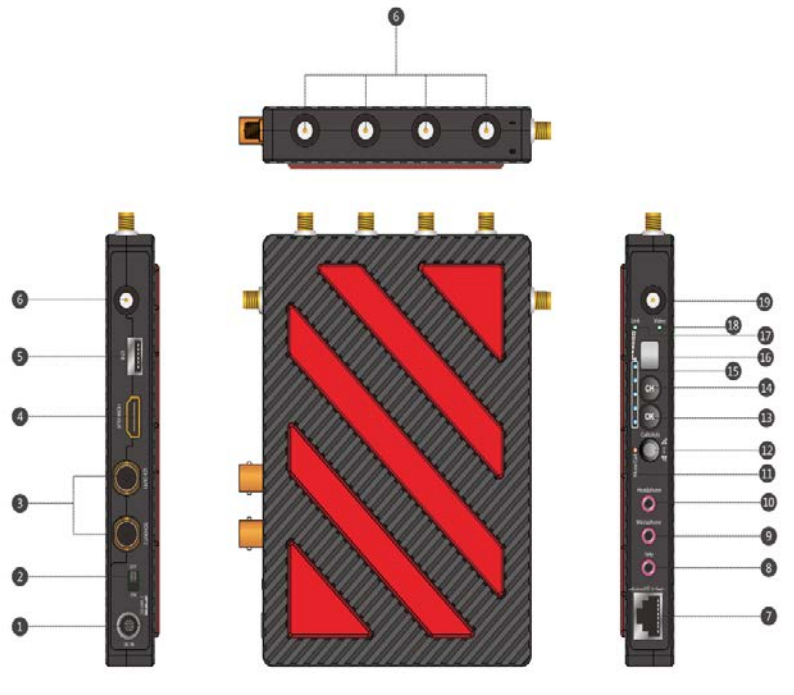


- ① Lemo DC power: 7V-36V
- ② Power switch: on/off
- ③ 3G SDI input---support 1080p 60 at maximum, Standard Gold Plating BNC
- ④ 3G SDI loop out---support 1080P 60 at maximum, Standard Gold Plating BNC
- ⑤ HDMI input----HDMI A type interface, support 1080P 60 at maximum
- ⑥ User upgrade---USB 3.0A external (with bluetooth audio interface), used for upgrade GUI
- ⑦ 900Mhz antenna interface--2 SMA
- ⑧ Analog audio input interface
- ⑨ Tally interface---3.5mm socket
- ⑩ Headset interface--3.5mm socket
- ⑪ Microphone interface--3.5mm socket
- ⑫ Mute/call indicator light
- ⑬ Audio button for adjusting volume
- ⑭ Frequency point confirm button
- ⑮ Frequency selection button
- ⑯ Digital tube of frequency point
- ⑰ RSSI
- ⑱ Video indicator light

⑲ 5Ghz antenna interface

⑳ 1/4-20 screw hole

Receiver:



① Lemo DC power: 7V-36V

② Power switch: on/off

③ 3G SDI output---support 1080p 60 at maximum, Standard Gold Plating BNC

④ HDMI output----HDMI A type interface, support 1080P 60 at maximum

⑤ User upgrade---USB 3.0A external (with bluetooth audio interface), used for upgrade GUI

⑥ 5Ghz antenna interface

⑦ Intercom/tally interface

⑧ Tally interface--3.5mm headset socket

⑨ Microphone interface--3.5mm socket

⑩ Headset interface--3.5mm socket

⑪ Mute/call indicator light

⑫ Audio button for adjusting volume

⑬ Frequency point confirm button

- ⑭ Frequency selection button
- ⑮ Signal strength light
- ⑯ Digital tube of frequency point
- ⑰ Link indicator light
- ⑱ Video indicator light
- ⑲ 900Mhz antenna interface--2 SMA
- ⑳ 1/4-20 screw hole

## Packing list

- 1 piece transmitter
- 1 piece receiver
- 2pcs Dtap to Lemo power cable
- 2pcs bluetooth module
- 2pcs bluetooth headsets
- 7pcs 5Ghz antennas
- 3pcs 900MHz antennas
- 1 piece user manual

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