COSMO 600

DESCRIPTION

Thank you for purchasing Hollyland Cosmo 1200 wireless high-definition video transmission system. The product uses the latest wireless Transmission technology, and is widely used in filmmaking, sports event and education industries. It transmits uncompressed, non-delayed HD signals, with a transmission range of 600ft.

KEY FEATURES

- Uncompressed, non-delay wireless HD video transmission at the radio and television level
- 200 meters transmission Range
- Frequency Band: 5.1~5.9GHz , Support different regional frequency configurations
- SDI/HDMI input and SDI Loop out, Dual SDI output, HDMI output
- Support one transmitter to transmit video, multiple receivers receive simultaneously
- Both the transmitter and the receiver can mount the battery
- 7~36V DC Wide voltage input
- Support USB interface software upgrade
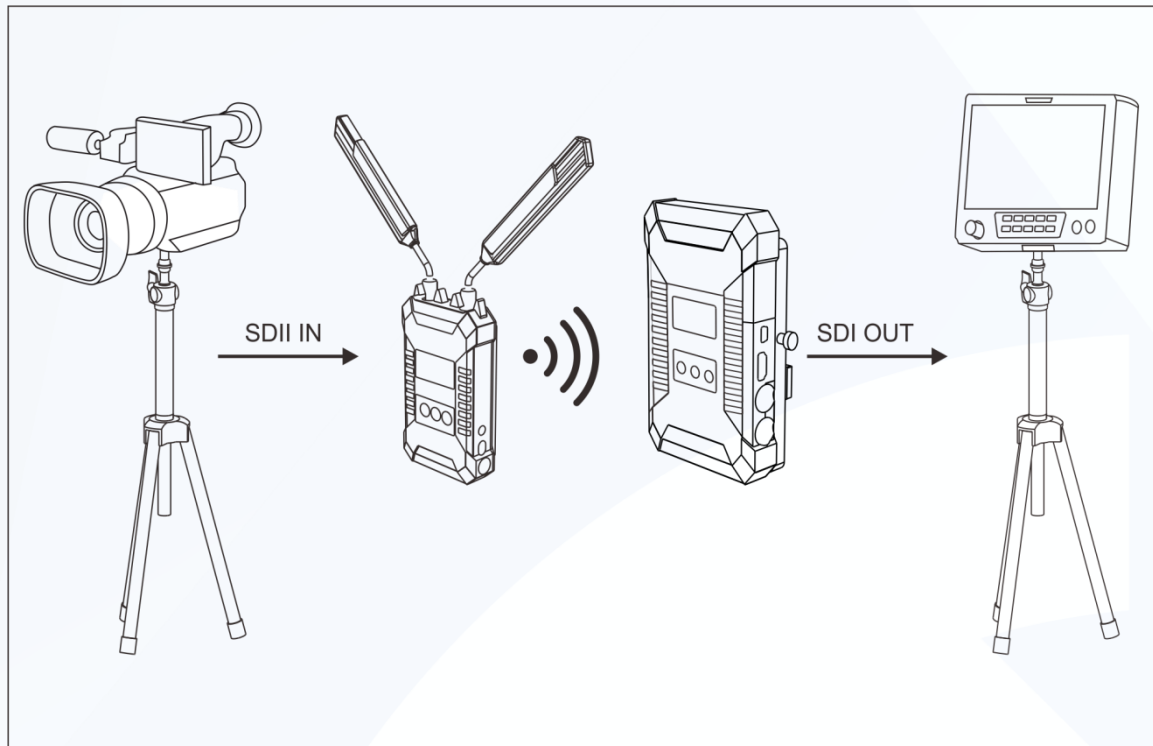- Stable and reliable industrial metal casing

APPLICATION

- Film shooting
- Sports event
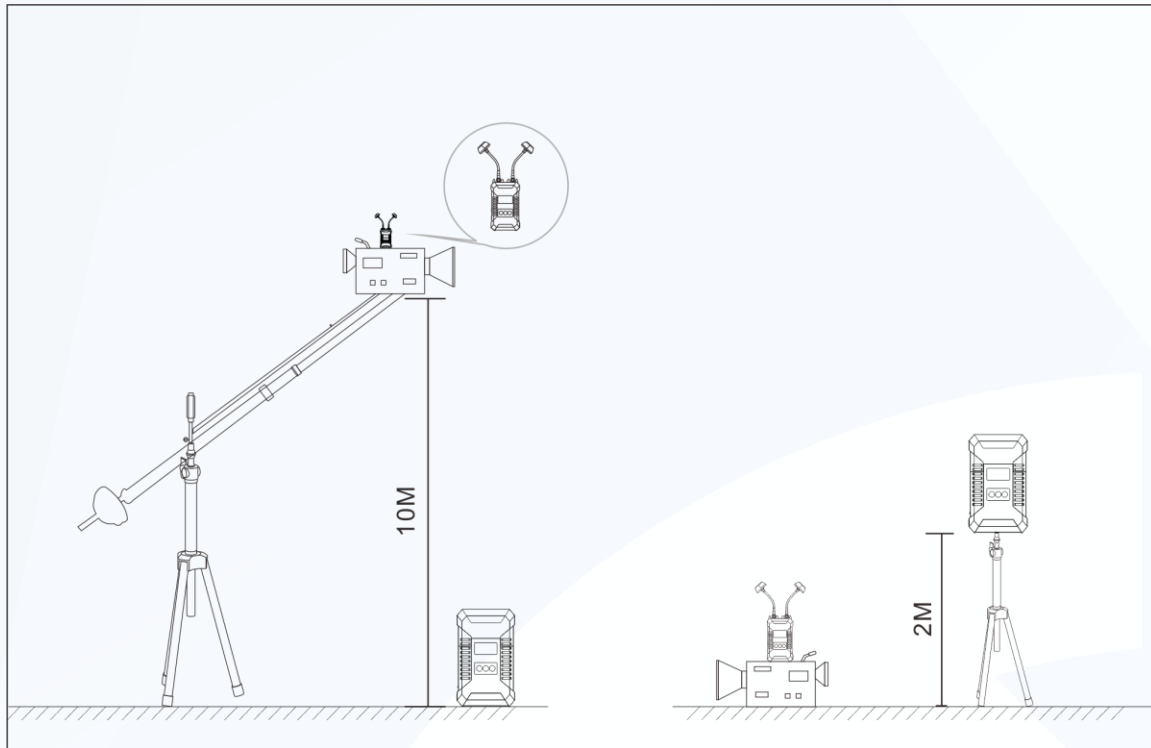- Wedding Ceremonies
- Corporate Events

PACKING LIST

1.Receiver   x1

2.Transmitter   x1

3.5GHz Antenna   x3

4.User manual   x1

5.DC Conversion Cable   x2

6.7-inch magic arm   x1

7.Crab Clamp   x1

8.Mushroom Antenna   x2
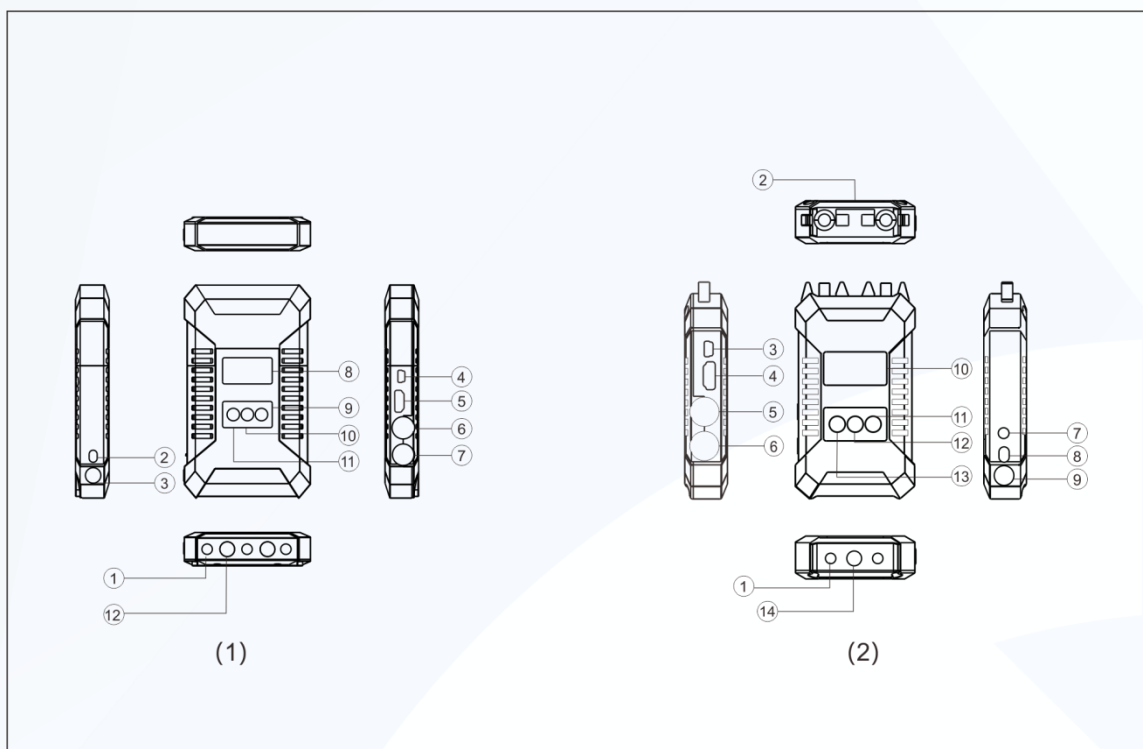
9.USB cable   x1

STANDARD SETUP

The wireless high-definition video transmission system uses the latest wireless Transmission technology, and transmits broadcast- Level. uncompressed and non-delayed HD signals. The transmitter supports SDI&HDMI input and SDI loop-out, while the receiver supports dual SDI output and HDMI output. The transmitter works on a certain channel in broadcast mode, with a transmission distance of 600ft.

This product includes mushroom antennas as accessory. When the height difference between the transmitter and the receiver is large, it is recommended to use a mushroom antenna to improve the stability of wireless transmission.

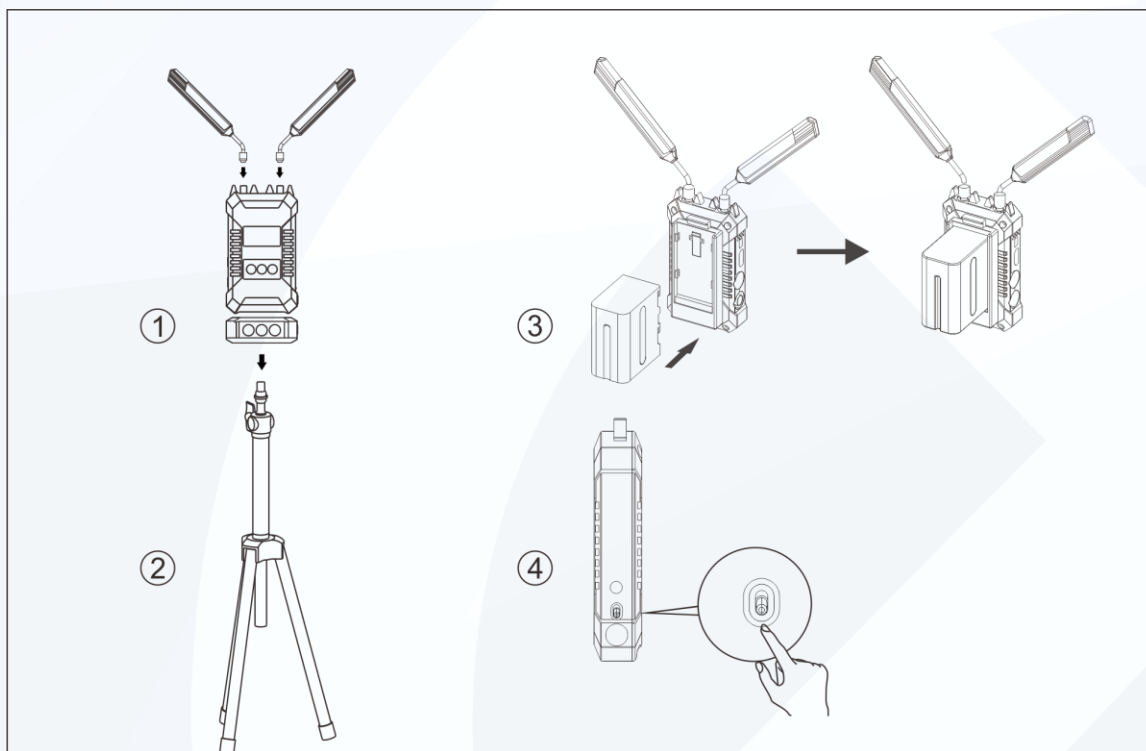PRODUCT INTERFACES

(1)   (2)

(1) Receiver

1.1/4-20 Screw hole

2.RP-SMA Antenna male interface

3.Mini USB interface

4.HDMI input interface

5.3G SDI Loop out interface

6.3G SDI Loop out interface

7.3.5mm Analog audio input interface

8.DC Power Switch

9.DC Power interface

10.OLED screen

11.Channel selection button

12.Frequency adjustment and confirm button

(2) Transmitter
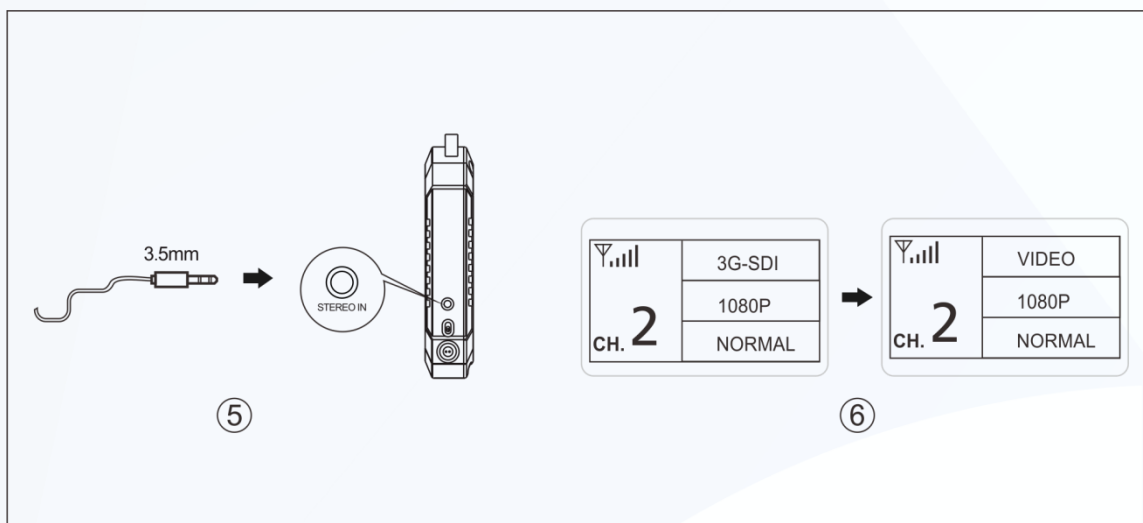
1.1/4-20 Screw hole

2.DC Power Switch

3.DC Power interface

4. Mini USB interface

5.HDMI input interface

6.3G SDI output interface 1

7.3G SDI output interface 2

8.OLED screen

9.Channel selection button

10.Frequency adjustment and confirm button

11.Channel subtract selection button

12.3/8-16 Screw hole

13.Channel subtract selection button

14.3/8-16 Screw hole

INSTALLATION

1.Follow the picture instruction to install the antennas

2.Stablize transmitter and receiver

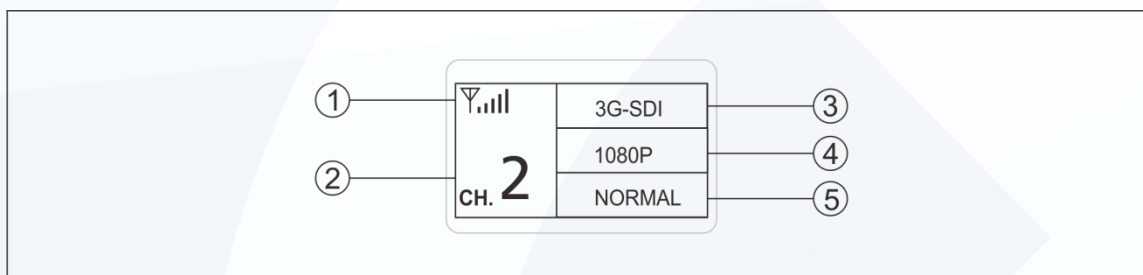3.Connect power supply

4.Turn "ON" the switch

5.Connect the transmitter audio stereo in

6.Set up connection

When the receiver does not receive the signal, the display shows the status of 'No Video', no format display
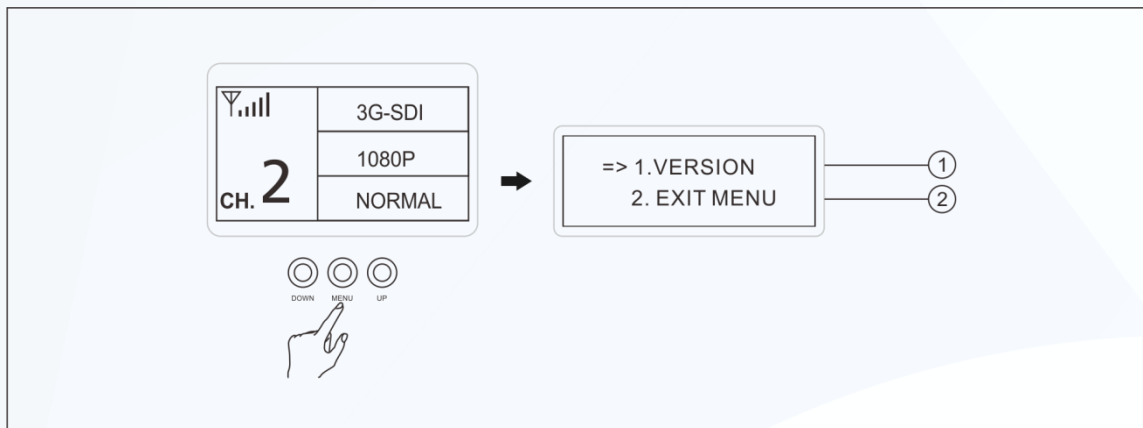
OLED DISPLAY

1.RSSI indicator

2.Frequency display

3.Transmitter-signal source display，receiver-Video status display

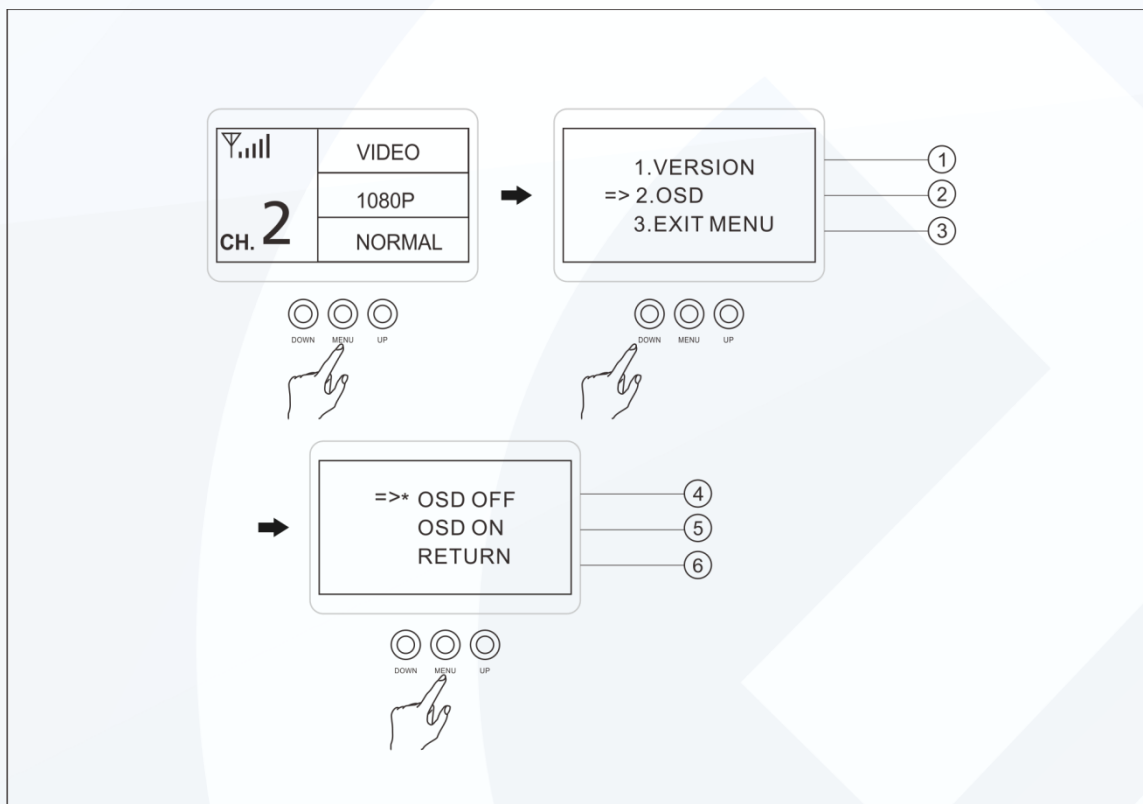4.Signal input/ output format display

5.Temperature reminder

When the connection is set up, the transmitter OLED menu display as below,

Long press'MENU' for 6 seconds to enter the function menu, display as below: 1.Version for the device programme.

2.Exit Menu

When the connection is set up, the receiver OLED menu display as below,

Long press 'MENU' for 6 seconds to enter the function menu, display as below:

1.Version for the device programme.

2.OSD -- display the received signal quality

3.Exit Menu

OSD MENU：

Press DOWN button and move the selection to OSD enter the OSD menu.

4.OSD OFF-turn off the received signal quality display

5. OSD OFF- turn on the received signal quality display

6.RETURN to previous menu.

PARAMETERS

	Transmitter	Receiver
Interface	SDI Input (BNC female); SDI Loop Out (BNC female); HDMI Input (Type A female); 2 Antenna Interfaces (RP-SMA male); DC Power Input, Mini USB; 3.5mm Analog audio input	SDI 1 Output (BNC female) ; SDI 2 Output (BNC female); HDMI Output (Type A female); DC Power Input, Mini USB;
Supply Voltage Range	7~36V DC	7~36V DC
Power	<6W	<8W
Net weight	260g	460g
Dimension	（LxWxH）:126.5x70x25mm Not including external antennas and battery plate	（LxWxH）:158.8x94x25mm Not including external antennas and battery plate
Input Video Format	HDMI: 480p60,576p50,720p50/59.94/60,1080i50/59.94/60,1080p23.98/24/25/29.9/30/50/59.94/60; SDI:3G,HD,and SD-SDI(auto-	/

	selected),SMPTE-259/274/292/296/372/424/425;	
Output Video Format	/	HDMI: 480p60,576p50,720p50/59.94/60,1080i50/59.94/60,1080p23.98/24/25/29.9/30/50/59.94/60; SDI:3G,HD,and SD-SDI(auto-selected),SMPTE-259/274/292/296/372/424/425;
Input Audio Format	SDI embedded 2 channel 24 bit/48KHZ	/
Output Audio Format	/	SDI embedded 2 channel 24 bit/48KHZ
Frequency Band	5.1-5.9GHz，Configurable with China, North America and Europe	5.1-5.9GHz，Configurable with China, North America and Europe
Modulation Mode	OFDM-16QAM	OFDM-16QAM
Transmission Power	Maximum 17dBm	/
Receiver Sensitivity	/	-75dBm
Bandwidth	40MHz	40MHz

FAQ

1.No video output on display

1).Please check TX and RX power first. If power is supplied by battery or external power source, please make sure the battery or external power source works normally

2).Please check that the antenna connected to the transmitter and receiver is securely mounted.
Then check if the transmitter shows the source and format; if not, check if the SDI cable or HDMI cable connected to the transmitter is reliably connected to the camera or if the camera has video output.

3).Please check input video format is compatible with this product specs

4).Please check if battery power is too low.

2.Poor output video quality

1).Check if SDI or HDMI input or output cable is plugged well

2).Make sure the Transmitter and Receiver are placed at least 1.5 meters above the ground

3).Please check the wireless signal strength indicating "RSSI" status. There should be at least 2-3 RSSI LED lit if the user wants to get better video quality. If there is only 1 RSSI LED or no LED light, that means the received wireless signal is too weak. Please change to other frequency channels in case some exist interference, or decrease the transmission distance.