COSMO 1200

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 1200ft.

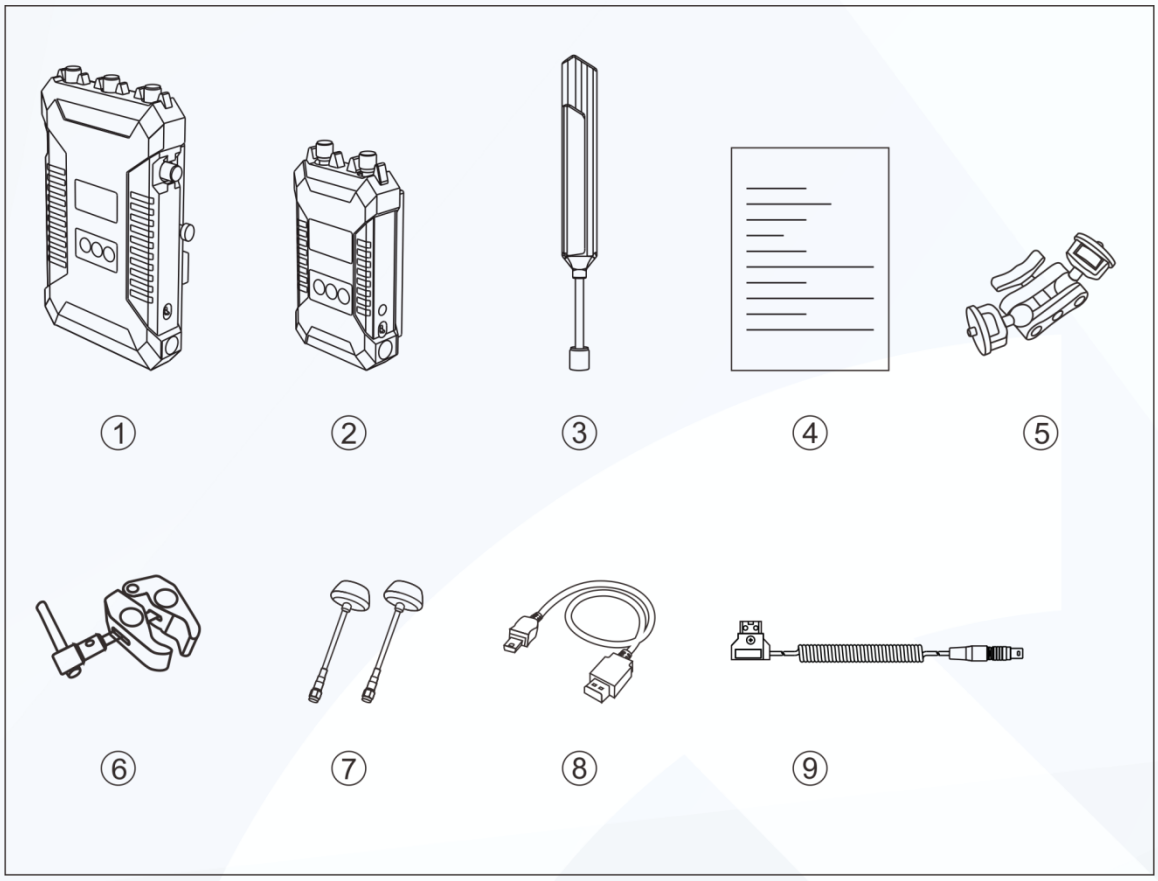
KEY FEATURES

- Broadcast level, Uncompressed, Non-delayed HD Video Transmission
- 350m/1200ft Transmission Range
- 5.1~5.9GHz Frequency Bandwidth. Frequency can be configured in different locations
- Transmitter: SDI/HDMI In& SDI Loop Out, Receiver: Dual SDI&HDMI Out
- Support 1 Transmitter with Multiple Receivers
- Smart Colling Fan
- Transmitter& Receiver Support External Batteries
- 7~36V DC Power Input
- Support USB Firmware Upgrade
- Stable and Reliable Industrial Metal Case

APPLICATION

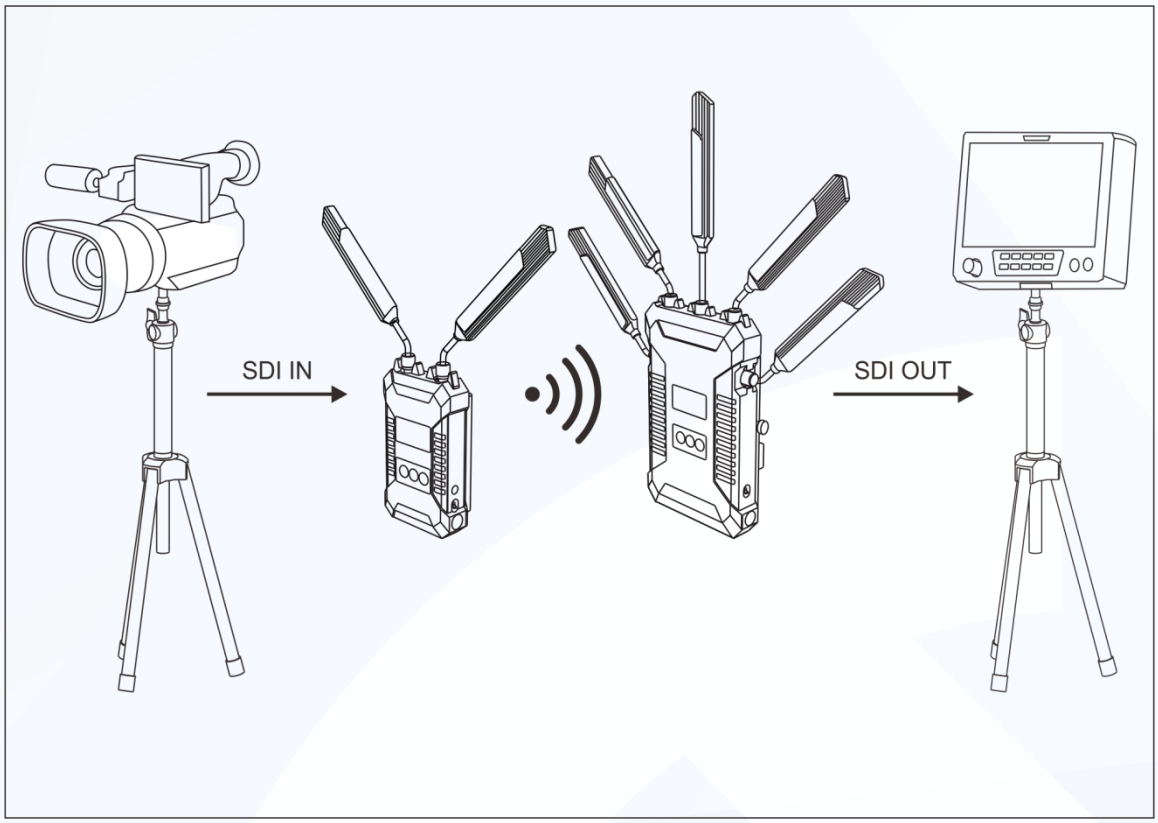
- Filmmaking
- Sports Activities
- Wedding Ceremonies
- Corporate Events

PACKING LIST

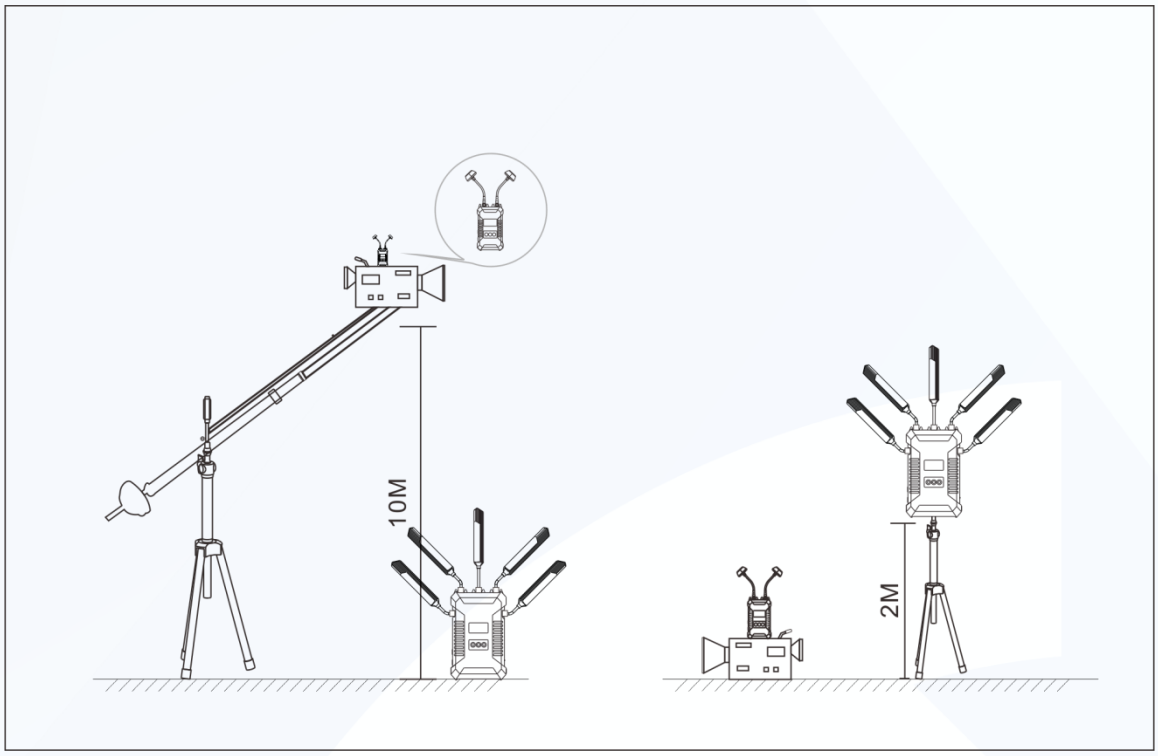


1.Receiver	x1
2.Transmitter	x1
3.5GHz Antenna	x8
4.User Manual	x1
5.7-inch Magic Arm	x1
6.Crab Clamp	x1
7.Mushroom Antenna	x2
8.Mini USB Cable	x1
9.DC/Lemo Conversion Cable	x2

STANDARD SETUP

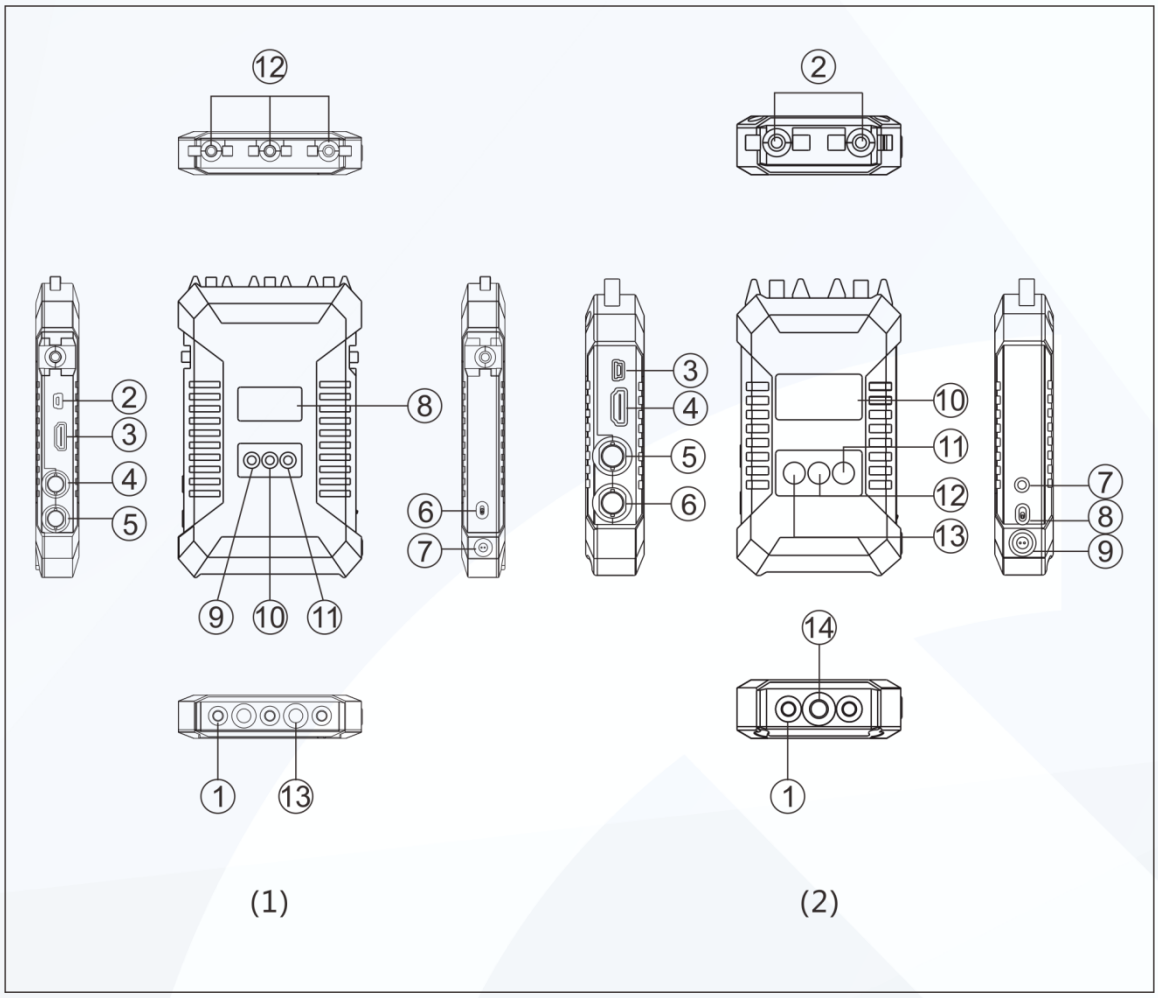


The wireless high-definition video transmission system uses the latest wireless Transmission technology, and transmits broadcast- Level. uncompressed and non-delayed HD signals. The transmitter supports SDI&HDMI input and SDI loop-out, while the receiver supports dual SDI output and HDMI output. The transmitter works on a certain channel in broadcast mode, with a transmission distance of 350m/1200ft.



Mushroom antennas are recommended to enhance stability performance of the system, especially when there is a big height difference between the transmitter and the receiver.

PRODUCT INTERFACES



(1) RECEIVER

1.1/4-20 Screw Hole

2.Mini USB Interface

3.HDMI Output

4.3G-SDI Output 1

5.3G-SDI Output 2

6.DC Power Switch

7.DC Power Input

8.OLED Screen

9.Channel Down

10.OK

11.Channel Up

12.RP-SMA Male Antenna

13.3/8-16 Screw Hole

(2) TRANSMITTER

1.1/4-20 Screw Hole

2.RP-SMA Male Antenna

3.Mini USB Interface

4.HDMI Input

5.3G-SDI Loop-out

6.3G-SDI Input

7.3.5mm Stereo In

8.DC Power Switch

9.DC Power Input

10.OLED Screen

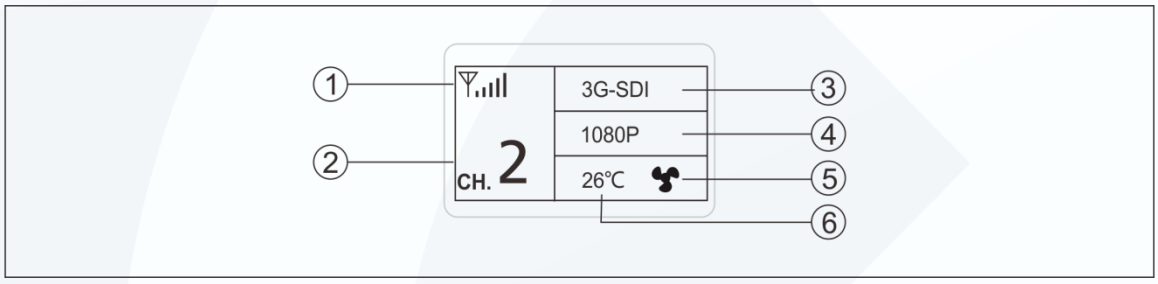
11.Channel Up

12.OK

13.Channel Down

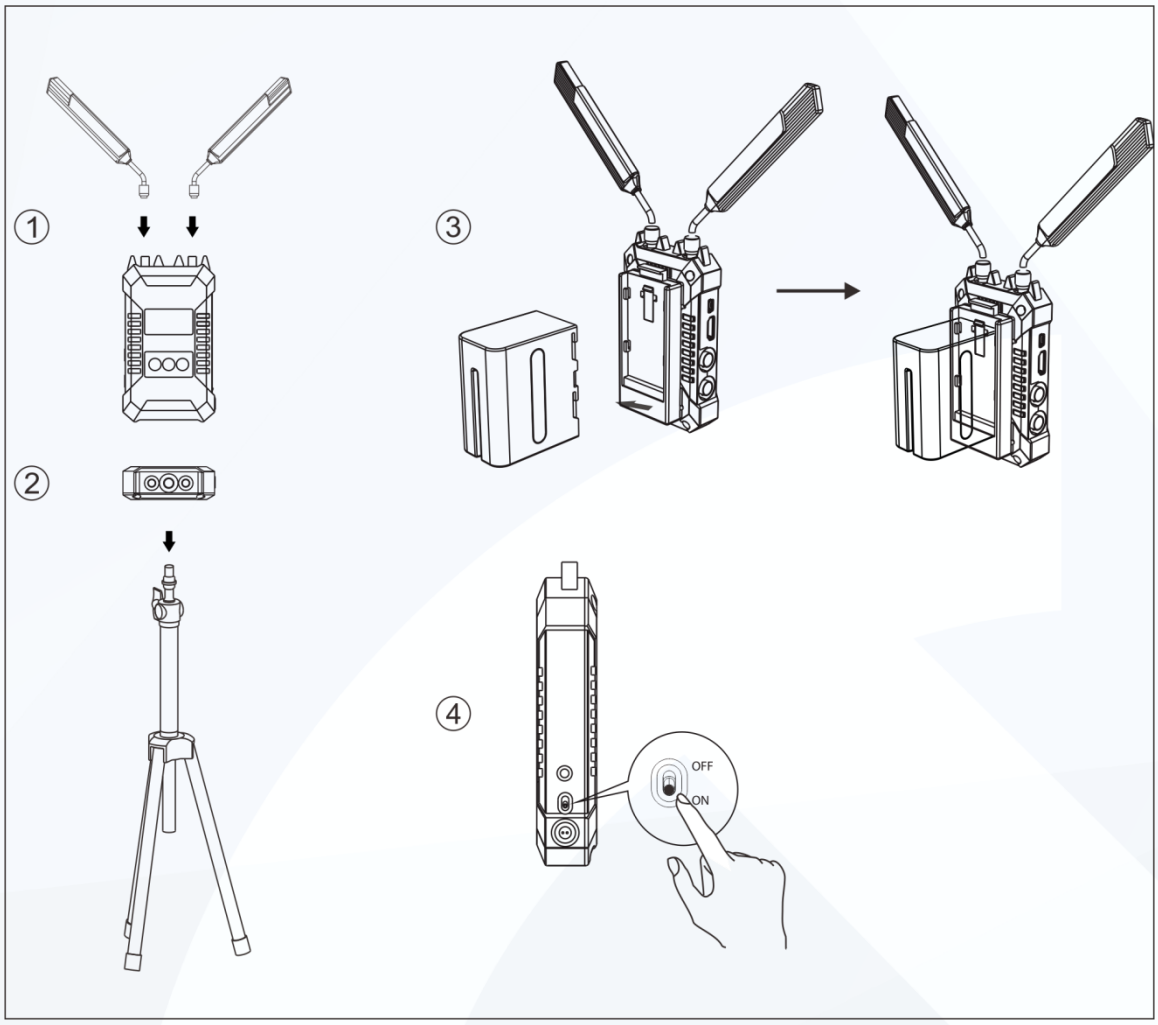
14.3/8-16 Screw Hole

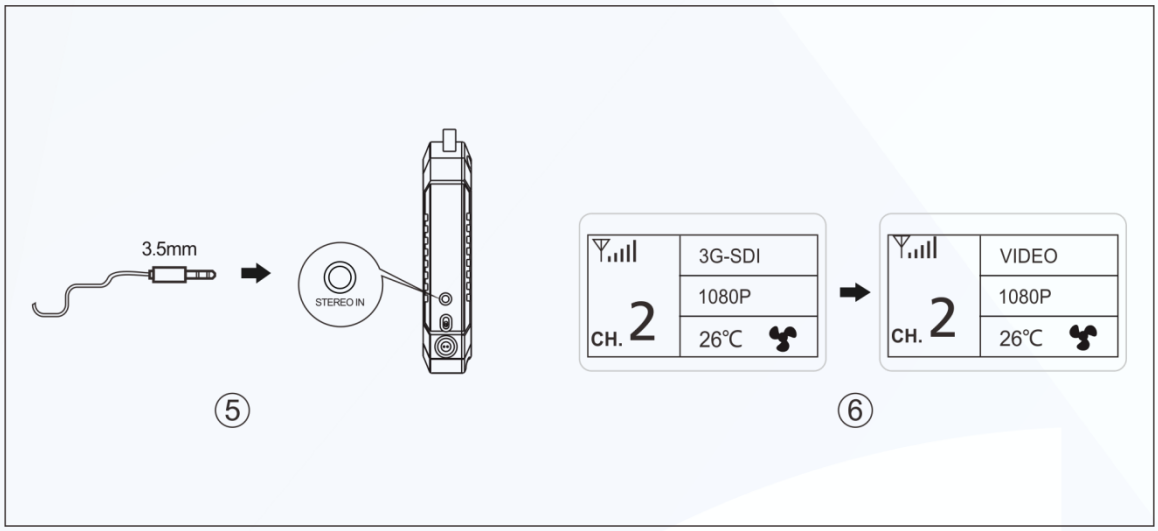
OLED DISPLAY



1. Signal Strength
2. Current Channel
3. Transmitter: Video Input Interface; Receiver: Video Status
4. Video Format
5. Cooling Fan Status
6. Temperature

INSTALLATION





1.Install the antennas with demonstrated angle of antennas for better performance

2.Mount the transmitter and the receiver

3.Connect to power supply

4.Turn on the devices

5.Transmitter Audio Input (Optional)

6.Pair the devices

PARAMETERS

	Transmitter (TX)	Receiver (RX)
Interface	SDI Input (BNC Female) SDI Loop Out (BNC Female) HDMI Input (Type A Female) 2 Antennas Interfaces (RP-SMA Male) DC Input MINI USB 3.5mm Stereo In	SDI Output 1 SDI Output 2 HDMI Input (Type A Female) DC Input MINI USB 5 Antennas Interfaces (RP-SMA Male)
Supply Interface	7-36V DC	7-36V DC
Power Consumption	<6W	<7W

Weight	260g	590g
Size	126.5*70*25mm (L*W*H) Antennas and battery plate excluded	174*106*25mm (L*W*H) Antennas and battery plate excluded
Video Input 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	/
Video Output 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
Audio Input Format	24bit/48KHz, 2 Channels embedded in SDI	/
Audio Output Format	/	24bit/48KHz, 2 Channels

		embedded in SDI
Frequency Band	5.1-5.9GHz, can be configured to frequency band for China, North America, Europe and etc.	5.1-5.9GHz, can be configured to frequency band for China, North America, Europe and etc.
Modulation Type	OFDM-16QAM	OFDM-16QAM
RF Power	Max. 19dBm	/
Sensitivity	/	-75dBm
Bandwidth	40MHz	40MHz

FAQ

1.No Video Output on the display

1).First check the power supply for TX and RX. Make sure the battery or external power source functions well if batteries or external power sources are used;

2).Check if TX antennas and RX antennas are installed tightly and correctly;

3).Check the LED video indicator on TX. If it's not on, make sure the SDI or HDMI cable is plugged in correctly until the video source information is displayed on the OLED screen;

4).Check if the format of the input video source is compatible with the specifications of this product;

5).Check if the battery is too low.

2.Poor output video quality

1).Check if the SDI or HDMI input and output cables are plugged in correctly;

2).Make sure the TX and the RX are placed at least 1.5 meters above the ground;

3).Check the "RSSI" status by reading the wireless signal strength indicator. 2-3 RSSI LED lights should be on for good video quality. If only 1 RSSI LED is on or one of LED lights are on, that means the received wireless signal is weak. In order to strengthen the signal, the transmission distance should be decreased and/or another frequency channel should be used to avoid interference.