

User Manual

SDI/HDMI Wireless Video Transmission System



Product Overview

Thanks for using our broadcast grade wireless video transmission system. This product advanced wireless video transmission technology, which can realize the uncompressed 3G-SDI/ HDMI HD video signal transmitted. The product includes one transmitter and one receiver, which is equipped with 3G/HD/SD-SDI and HDMI interfaces. This product has good stability and strong anti-jamming capability and the system is with pure hardware connection, simple and reliable. It is exquisite design, which is equipped with external battery mechanical interface for battery install, and is widely used in film shooting, director monitoring, live sporting events, variety show, wedding live, live broadcast, conference live and other live show production.

Features

1. 3G/HD/SD-SDI/ HDMI input and output
2. High resolution IOSOp 60, uncompressed transmission
3. 5.1-5.9GHz frequency band, support frequency switching
- 4.support 1 transmitter to multiple receivers
5. OLEO screen, faster FM and more intuitive display parameter
6. Adopted AES-128 encryption transmission to protect data information
- 7.Pure hardware connection, Plug and Play
8. Configurable battery plate, convenient for field battery install and replacement
- 9.Metal housing, stable and reliable
- 10.Wide voltage design, support DC7V-36V voltage

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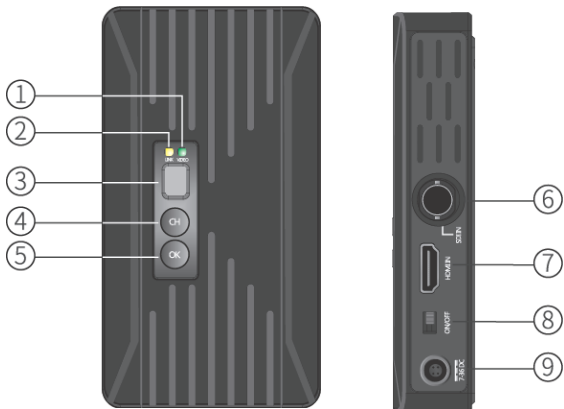
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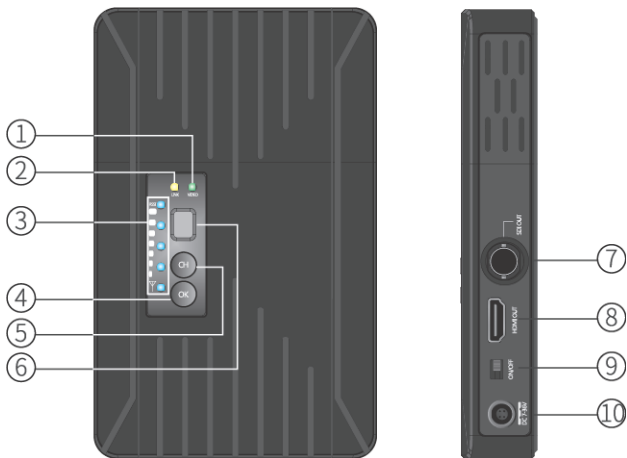
1. Product Interfaces



1. Video indicator
2. Link indicator
3. Digital tube, display
frequency point
4. Frequency selection button

6. Frequency confirm button
7. SDI input interface
- 8.HDMI input interface
9. Power on/off
- 10.DC power input interface

9. Receiver Interface Description



1. Video indicator

2. Link indicator

3. RSSI indicators

4. Frequency selection button

5. Frequency confirm button

7. Digital tube, display frequency point

8. SDI output interface

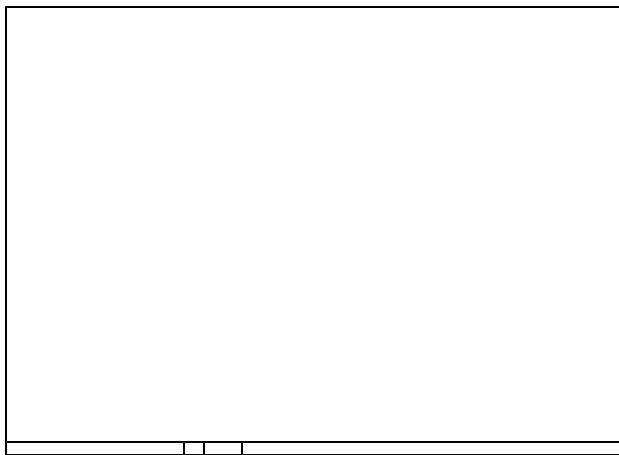
9. HDMI output interface

10. Power on/off

12. DC power input interface

2. Product Installation Instruction

Please read product installation instruction as below before you use this product.



Ground height

3. Trouble Shooting

If did not reach the use distance and the video quality is poor when the product are preparing for test under at| normal circumstances, please find out the problems according to the follow ways.

(1) Video Connectionless

- . Please check whether the product is in specified distance and also transmit and receive frequency is same when you test the equipment under normal condition and could not be connected in far distance.
- @. Please restart the receiver and transmitter to test when the same frequency in specified distance is not connect.
- @. Please shorten the distance to check the connection situation when no connect after restart.
- @. When close the distance can be connected, please check (2) the connection of distance is not enough.

(2) The connection distance is not enough

- . When close the distance can be connected, please check whether the antennas are tightened, the placed angle of transmitter and receiver and antenna is 45 degree, whether there is a larger occlusion between receiver and transmitter.
- . When equipment is placed properly, please replace the transmitter and receiver to the other frequency, and check the video connection to see whether there is any improvement, if improved, maybe it is interfered by other equipments, please remove the source of interference.
- . When the above exclusion has no effect, please replace both sides of antenna to new one to check if there is any improvement in use distance. If no improvement, please contact the supplier.

3) Poor picture quality

- .Please confirm whether the connection distance is within the nominal range, the placed angle of transmitter and receiver and antenna is 45 degree. Please also confirm whether there is a larger occlusion between receiver and transmitter, shorten the distance when there is an occlusion.
- ②. Lf the RSSL LEDs of receiver is 4-5, please enter into next stage for troubleshooting, if Less than 3 RSSL LEDs, please replace the transmitter and receiver to the other frequency and check the video quality.
- @ . Lf no improvement in replacement of the frequency, please replace the antennas or change other previously test normal equipment to compare.
- ④. Lf the previously tested normal equipment is in same situation, we suggest you to replace field test, if it is still has problem after change the field, please contact the supplier.

4)Good RSSI, poor picture quality

- .Please make sure the distance is in specified range and put the antenna be 45 degree, face to face between transmitter and receiver when the signalLight is good, but the picture quality is poor.
- @. Please check input format of video source, and switch to Lower resolution format and then check the picture quality when no improvement above, the IOSOL distance is relatively far from IOSOP in same picture quality.
- @. Lf there is no improvement in Low resolution, please shorten to half distance for check, please check the distance of poor picture quality if has improvement.
- @. You need to switch to other frequency to check when no improvement after reduce the distance, Lf the above are no improvement, which can determine fault for the products, please contact the supplier.

4. Cautions

- o Please do NOT expose this product directly in extreme hot, cold, dusty and humid environments.
- o Please do NOT use sharp or hard objects to scratch the outer surface of the product.
- o Please do NOT drop the product from height place as this might cause hardware damage.
- o Please do NOT let any liquid into the product inside as it is not waterproof design.
- o To avoid damaging the product, please do NOT take apart or repair the unit by yourself without adjustable component in the unit.

5. Technical Parameters

Interface	3G/HD/SD-SDI Input xl HDMI Input xl	3G/HD/SD-SDI Output xl HDMI Output xl
Input/ Output Video Format	HDMI: 5251/6251, 720p(50/59.94/60), IOSOi(50/59.94/60), IOSOp(23.98/24/25/29.97/30/50/59.94/60), HDMI Type A; SDI: 3G, HD, and SD-SDI (auto-selected), SMPTE-259/274/292/296/372/424/425; lxBNC	
Signal Indicator	Link-Yellow;Video-Green	Link-Yellow,Wireless RSSI-Blue(5LEDs); Video-Green
Transmission Power	Maximum 15dBm	/
Receiver Sensitivity	/	-75dBm
Frequency Band	5.1-5.9GHz, configurable with China, North American, Europe, etc	
	OFDM 16QAM	
Occupied Bandwidth	20/40MH	
Power Connector	4-PIN LEMO DC	
Input Voltage	7-36V DC	
Temperature Range	0~40.C (Working); -20~60C(Storage)	
Power Consumption	<6.5W	<6W
Unit Size	122.2Lx67Hx25.3Dmm (exclude antennas)	152.2x95.4x26mm (exclude antennas)