

Operating Instructions



2.4GHz Digital Wireless Receiver/

Transmitter(20dBm)

Please read this manual thoroughly before operating the unit,
and keep it for future reference.

V1.0

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1. Precautions

● Storage and Keeping

- (1) Do not expose the device to excessive heat or cold. The storage temperature of this device is $-30\sim+80^{\circ}\text{C}$, and the operating temperature is $-20\sim+70^{\circ}\text{C}$. The humidity is Rh90 %.
- (2) Avoid dropping or striking this device.
- (3) Avoid using this device in enclosed spaces, areas with excessive vibration or subject to severe impacts.
- (4) Do not place cables where they may be pinched or stepped on.
- (5) The device is designed to be water-resistant, but not for underwater application.

● Operating Precautions

- (1) The device may be powered by a 12 or 24 volt automotive battery or vehicle electrical system.
- (2) Make sure all cables are connected properly. Observe polarity. Improper cable connections may damage the device. Remove the power cable connections when you do not intend to use the unit.



Warning!

High voltage is present within the device. The opening of the case should be by professionals.

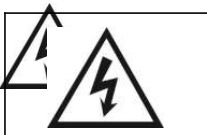



Special Notice

Never try to repair this device by yourself. In case of any problems, please turn off the device at once and notify our company or authorized dealer.

● Maintenance

Remove all cable connections from the device before cleaning the unit.

	Caution	
	Risk of electric shock Do not open	
Caution: to reduce the risk of electric shock, Do not remove cover (or back). No user-serviceable parts inside. Refer servicing to qualified service personnel.		

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



This symbol is intended to alert the user not to dispose of electrical and electronic equipment.

CAUTION

You are cautioned that any changes or modifications not expressly approved in this manual could void your warrantee and necessitate

expensive repairs.

2. Transmitter Product Features



- (1) 2.4GHz digital wireless transmitter
- (2) Power supply: DC10-32V
- (3) Supply 12V voltage for camera
- (4) Supply CVBS or AHD720P camera
- (5) Metal housing, solid, suitable for outdoor use
- (6) Waterproof protection level equals to IP69K
- (7) Indication:

Power: the power indicator turns red when power is on.

Pairing: press the pairing indicator turns blue and flashes.

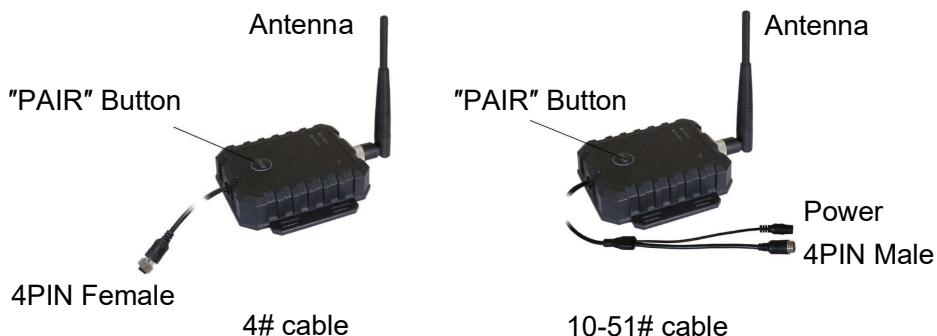
Pairing success: the pairing indicator turns blue and keeps on.

3. Transmitter Technical Specifications

- (1) Power supply: DC 10-32V
- (2) AV In: CVBS / AHD720P
- (3) Operation frequency: 2401 - 2483 MHz
- (4) Line of Sight Range: 300M
- (5) Video Codec: H.264

- (6) Out Power:20dBm
- (7) RF Bit Rate: 11Mbps
- (8) Spread spectrum: DSSS
- (9) Latency: 200ms
- (10) Operating Temperature: -20 ~ +70°C RH90%
- (11) Storing Temperature: -30 ~ +80°C RH90%

4. Receiver Product Features



- (1) 2.4GHz digital wireless receiver
- (2) Power supply: DC 10-32V
- (3) Support 4-channel
- (4) Metal housing, solid, suitable for outdoor use
- (5) Waterproof protection level equals to IP69K
- (6) Indication:

Power: the indicator turns red when connect the receiver to the monitor.

Pairing: press “PAIR” button for 3 seconds, the pairing indicator turns blue and flashes.

Pairing success: the pairing indicator turns blue and keeps on.

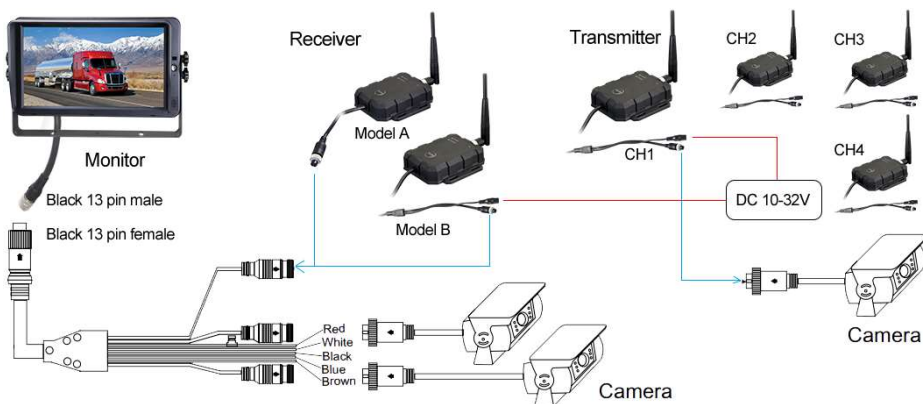
5. Receiver Technical Specifications

- (1) Power supply: DC 10-32V

- (2) AV Out: AHD720P
- (3) Operation frequency: 2401 - 2483 MHz
- (4) Line of Sight Range: 300M
- (5) Video Codec: H.264
- (6) Receiving Sensitivity: -85dBm
- (7) RF Bit Rate: 11Mbps
- (8) Spread spectrum: DSSS
- (9) Latency: 200ms
- (10) Operating Temperature: -20 ~ +70 °C RH90%
Storing Temperature: -30 ~ +80 °C RH90%

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6. Application



7. Operation Instructions

● Transmitter:

After the transmitter box is powered on, it will pair automatically if it is not connected to the receiver box, or press the pair key to pair, and the blue indicator will flash for 20 seconds during pairing; the blue indicator will be on always after pairing success, and will turn off if

pairing failure.

- Receiver:

- (1) Press pair key to switch channel CAM1-CAM4.
- (2) Press the pair key for 3 seconds to pair, and the display will show a countdown for 20 seconds, the blue indicator will be on always after pairing succeed, and will turn off if pairing fails.