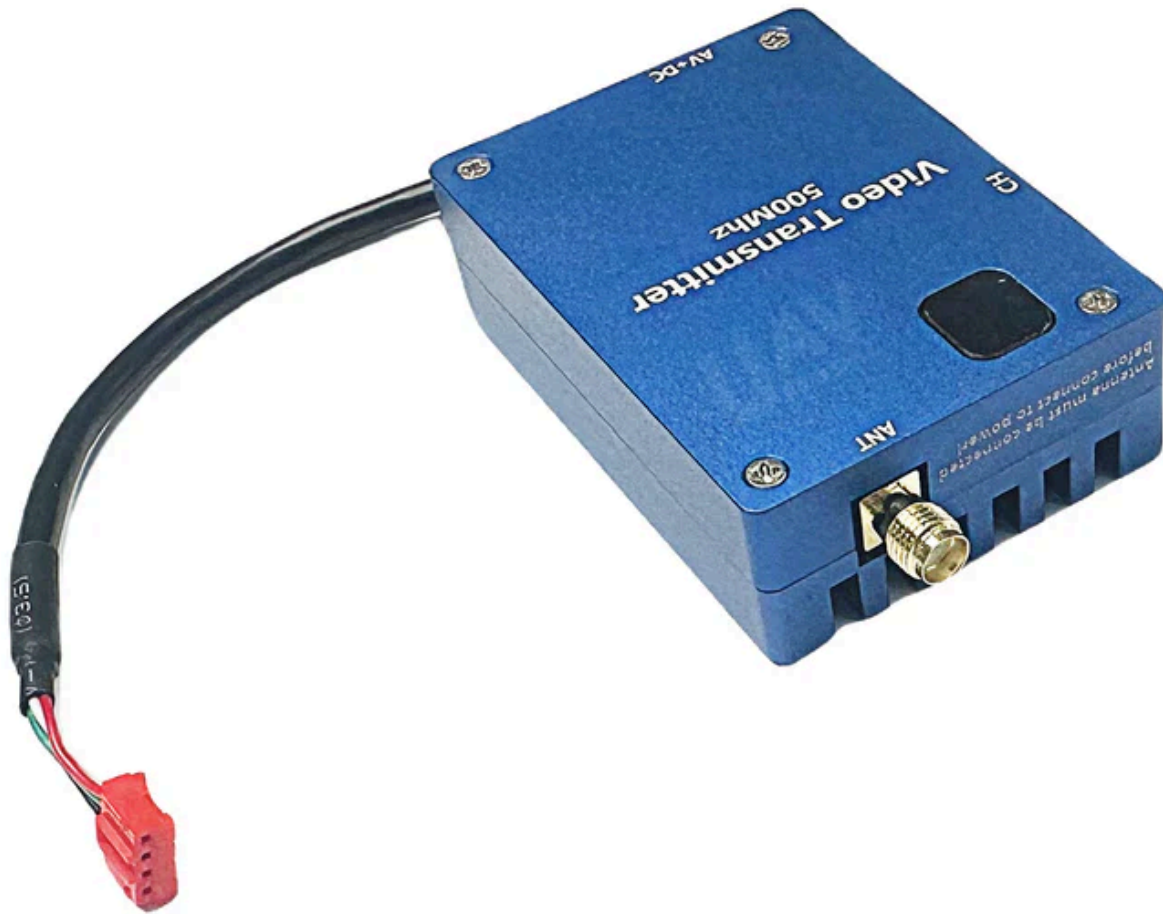


(/www.uavmodel.com/cdn/shop/files/2W\_Wireless\_Video\_Tra  
v=173648011



1.2Ghz 2W 2km long range wireless video transmitter and receiver with antennas

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(<http://www.biorxiv.org/content/early/2017/06/29/168221v1>)

Tag : 2Ghz video transmission (/search?q=2Ghz+video+transmission&utm\_source=product\_tags&utm\_medium=click&utm\_campaign=product\_search\_via\_tags) , long range receiver (/search?q=long+range+receiver&utm\_source=product\_tags&utm\_medium=click&utm\_campaign=product\_search\_via\_tags) , wireless video transmitter (/search?q=wireless+video+transmitter&utm\_source=product\_tags&utm\_medium=click&utm\_campaign=product\_search\_via\_tags)

# Adding this gain pane (https://www.uavmodel.com/products/1-2ghz-high-gain-wireless-antenna-flat-panel-antenna-8dbi-1020-1100mhz)I can reach a transmission distance of 20km

## Description:

This is a brand-new wireless video transmission device, which adopts FM modulation mode and brand-new frequency, avoiding the standard frequency of 1.2Ghz/1.5Ghz/2.4Ghz wireless transmission that has been used more in the same range, and is more suitable for use in complex environments. The receiver sensitivity is -85dBm, and the transmitted image is clear and stable. With a ground high-gain antenna, it can transmit 1~2km in the open area of the city, and **about 20km** in the air-to-ground LOS;with high gain antenna;(the transmission distance is different in different environments, and the specific transmission distance depends on the actual working environment).

The transmitter is exquisitely crafted, made of special metal, and also has a high-speed fan, which is more conducive to heat dissipation and more suitable for long-term work.Equipped with a composite connection cable, it is easier to connect the power supply and camera.

The long range video transmitter and receiver&nbsp;is not only a professional wireless CCTV transmitter and receiver for CCTV security projects, but also can be used for video transmission of FPV systems, drones, model aircraft/helicopters, unmanned equipment vehicles, etc. (frequencies are customizable).

VTX = Video Transmitter (TX = transmit)  
VRX = Video Receiver (RX = receive)  
In the context of FPV (First-Person View) systems, a VRX is a device that receives the video signal transmitted from an FPV camera through a VTX (video transmitter) and displays it on FPV goggles or monitor.

**Order tell customer service frequency band: 300Mhz/500Mhz/600Mhz/800Mhz/1Ghz(Default shipment is 1.2Ghz)**

**Antenna must be connected be fore connect to power, otherwise it will be easy to burned-out!**

**(The receiver and transmitter are female, and the antenna part is male)**

## VTX Specification:

Product name	Analog video transmitter
Voltage	DC 10V~36V
Current	600mA
Modulation	FM
Frequency	300Mhz~1Ghz (optional)
Channels	8 channels
Frequency band (choose one series)	300Mhz: (320Mhz, 340Mhz, 360Mhz, 380Mhz) (customization)
	500Mhz: (490Mhz, 500Mhz, 520Mhz, 540Mhz, 560Mhz, 580Mhz, 600Mhz, 620Mhz)
	600Mhz: (620Mhz, 640Mhz, 660Mhz, 680Mhz, 700Mhz, 720Mhz, 740Mhz, 760Mhz)
	800Mhz: (800Mhz, 820Mhz, 840Mhz, 860Mhz, 880Mhz, 900Mhz, 920Mhz, 940Mhz)
	1Ghz: (980Mhz, 1000Mhz, 1020Mhz, 1040Mhz, 1060Mhz, 1080Mhz, 1100Mhz, 1120Mhz)
Transmit Power	2 watt
Video Output	1 Vp-p(FM)

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Temperature	-10°C ~ +50°C
Antenna port	SMA female
Transmitter Weight	83g
Dimensions	64*46*20mm (antenna port not included)

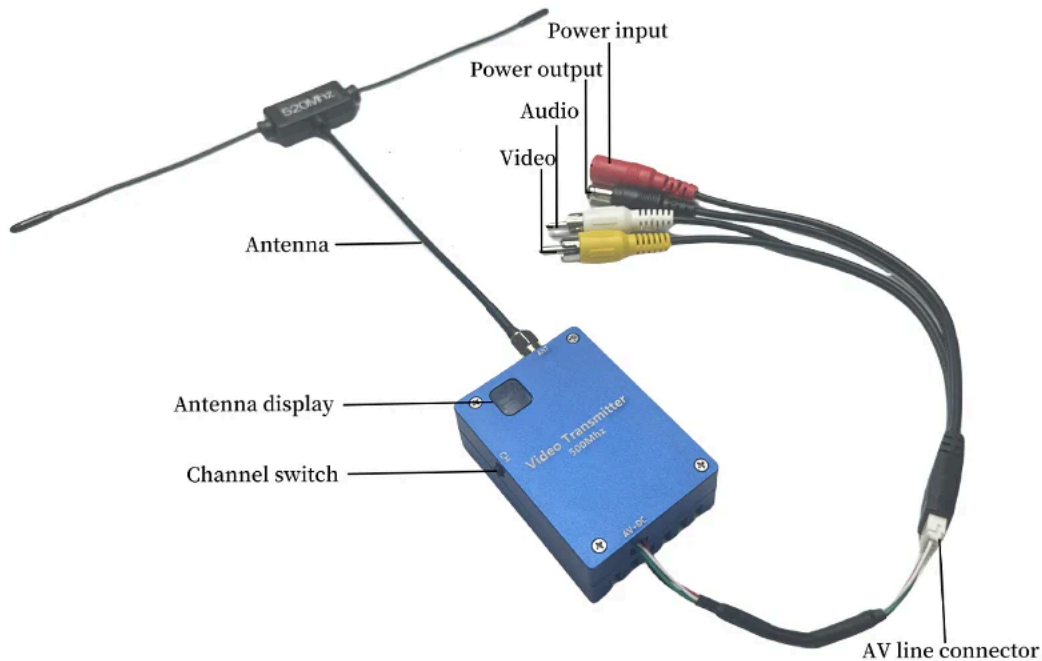
#### VRX Specification:

Product	Analog video receiver
Voltage	DC 10V~18V
Receiving sensitivity	-85dBm
Modulation	FM
Frequency	300Mhz~1Ghz (optional)
Channels	8 channels
Frequency band (choose one series)	300Mhz: (320Mhz, 340Mhz, 360Mhz, 380Mhz) (customization)
	500Mhz: (490Mhz, 500Mhz, 520Mhz, 540Mhz, 560Mhz, 580Mhz, 600Mhz, 620Mhz)
	600Mhz: (620Mhz, 640Mhz, 660Mhz, 680Mhz, 700Mhz, 720Mhz, 740Mhz, 760Mhz)
	800Mhz: (800Mhz, 820Mhz, 840Mhz, 860Mhz, 880Mhz, 900Mhz, 920Mhz, 940Mhz)
	1Ghz: (980Mhz, 1000Mhz, 1020Mhz, 1040Mhz, 1060Mhz, 1080Mhz, 1100Mhz, 1120Mhz)
Video Output	1 Vp-p(FM)
Temperature	-10°C ~ +50°C
Antenna port	SMA female
Transmitter Weight	83g
Dimensions	83*68*15mm (antenna port not included)

**Antenna must be connected before connect to power, otherwise it will be easy to burned-out!**

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### Installing:

A. The line has 5 plugs for connecting transmitter, camera and power supply

One of the line's points connecting to transmitter, another has 4 plugs (red, yellow, white, black)

Red plug connect DC 12V/1000mA, can also connect battery

White and yellow plug connect to camera's audio and video apart

And black one connects camera's power input jack

B. Push the control button, can change the channel of receiver

Meanwhile, push it and last several seconds, can close the digital play and turn into saving power model

Then push it again, can replay

The function can be able to lock channel, so as to avoid mistaking operation

C. Set the same channel with transmitter and receiver

only manual

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1.2Ghz 8W 15km Long Range Wireless Video Transmitter And Receiver VTX/VRX (/products/1-2ghz-1-5ghz-2-4ghz-100km-long-range-wireless-video-transmitter-and-receiver-vtx-vrx?pr\_prod\_strat=pinned&pr\_rec\_id=9999eee8c&pr\_rec\_pid=8375732273306&pr\_ref\_pid=8375724474522&pr\_seq=uniform)

\$185.00

1.2Ghz High Gain Wireless Antenna Flat Panel Antenna 8dBi 1020~1100MHz (/products/1-2ghz-high-gain-wireless-antenna-flat-panel-antenna-8dbi-1020-1100mhz?pr\_prod\_strat=pinned&pr\_rec\_id=9999eee8c&pr\_rec\_pid=8376809816218&pr\_ref\_pid=8375724474522&pr\_seq=uniform)

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