

Foxttech

VD-20 / VD-150 4K 110MHz Video Transmission System

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\$9,499.00 – \$21,999.00

SKU: S220820
Weight: 12.00 KGS

Version: Required

20 km

150 km

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Description

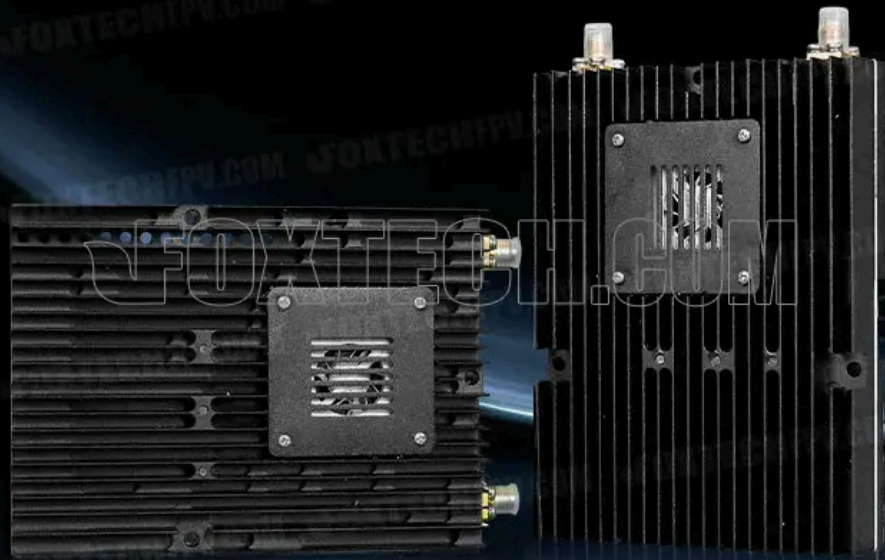
VD-20 / VD-150, using antenna diversity technique, is a 110 MHz, 80 Mbps, 20 km / 150 km range video transmitter featuring small-size, low-power-consumption, high-sensitivity, high-diffraction-penetration, super stable and high-resolution. 80 Mbps max transfer rate allows 4K image transmission, and there is still 50 Mbps at the end of 20 km (VD-20 version). The bandwidth is up to 110 MHz, and the working bandwidth can be chosen between 1.4, 3, 5, 10, 20, 40 MHz. The video transmitter supports automatic frequency hopping within 110M to avoid interference. Antenna diversity technique (2 x 2 MIMO mode), which means there are two streams of transmitting and receiving data simultaneously, reduces loss caused by blocking or turning of the drone. This video transmitter can form star network by connecting max 8 air units to the hub, largely improving its capability. VD-20 / VD-150 is mainly used in UAV swarming, formation flying, air-ground integration program, etc.

Highlights:

- 1420-1530 MHz frequency
- 80 Mbps point to point transmission bandwidth
- ≤150 ms Ethernet transmit latency
- Star networking
- Antenna diversity technique

VD-20 / VD-150 4K Video Transmission System

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4K
Image Transmission

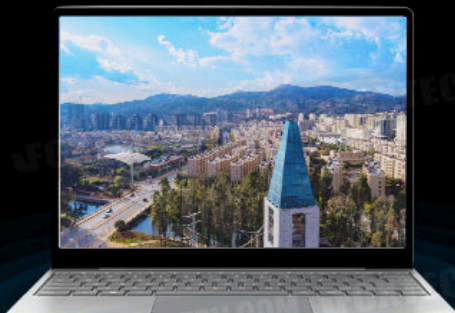
110MHz
Bandwidth

8
Networking Devices

≤150ms
Latency

4K Image Real-time Transmitting

80 Mbps max transfer rate allows 4K image transmission, and there is still 50 Mbps at the end of 20 km. (VD-20 version)



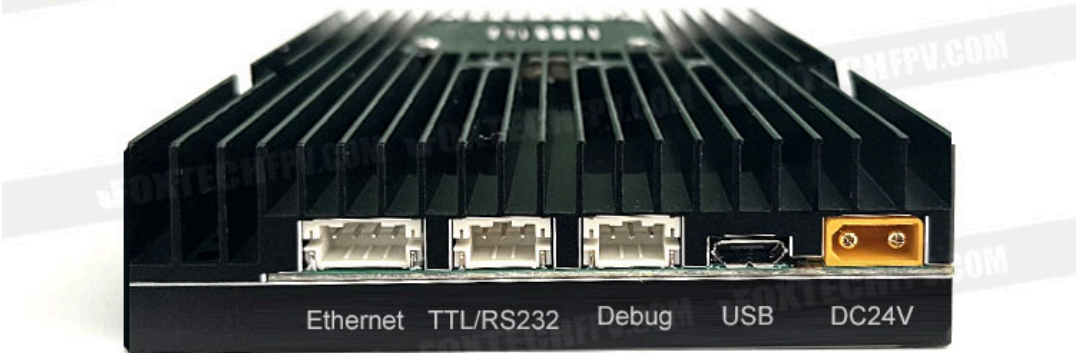
Star Network Forming By 8 Devices Connection

Point to multipoints networking capacity is up to 8 nodes.

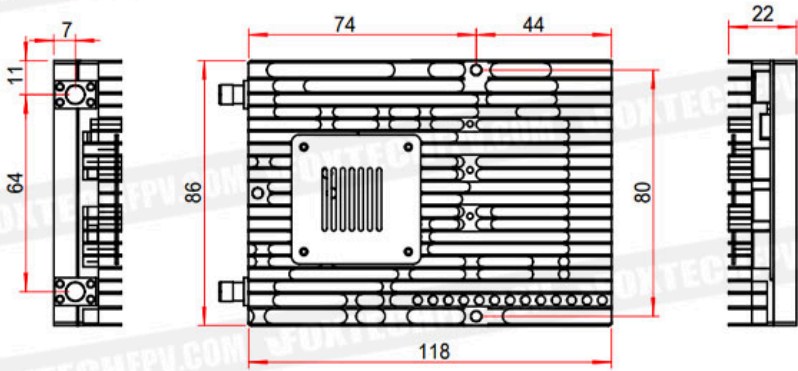


Application

Can be mounted on UAVs, UGVs for high quality image transmitting.

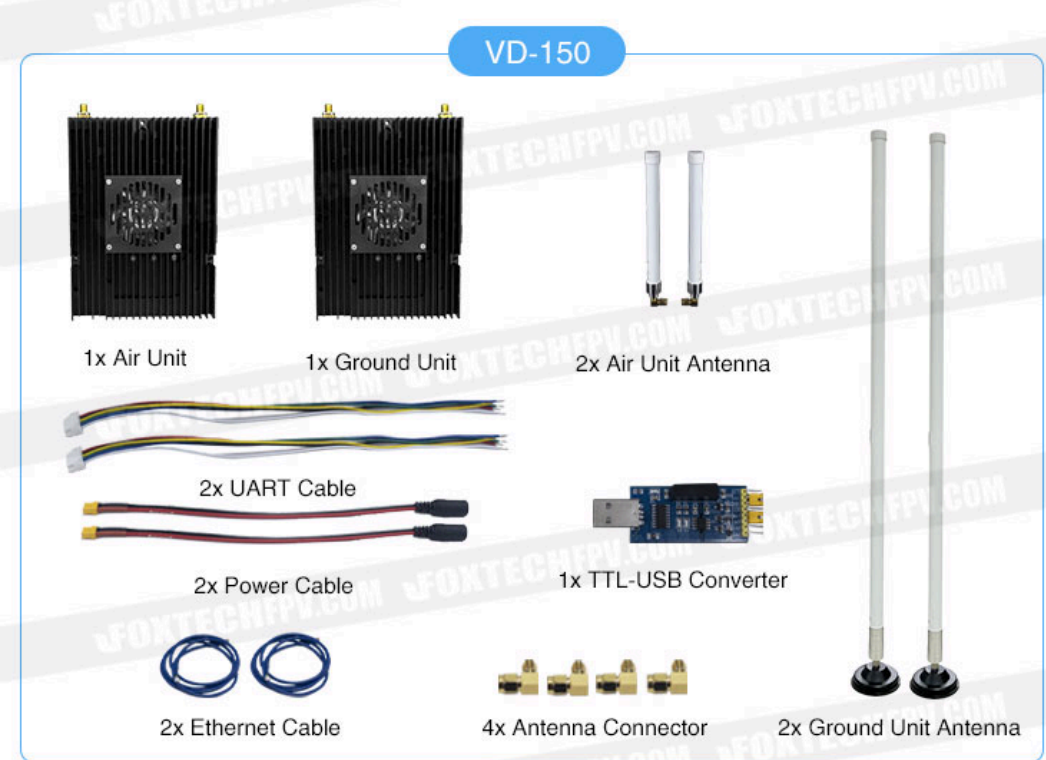
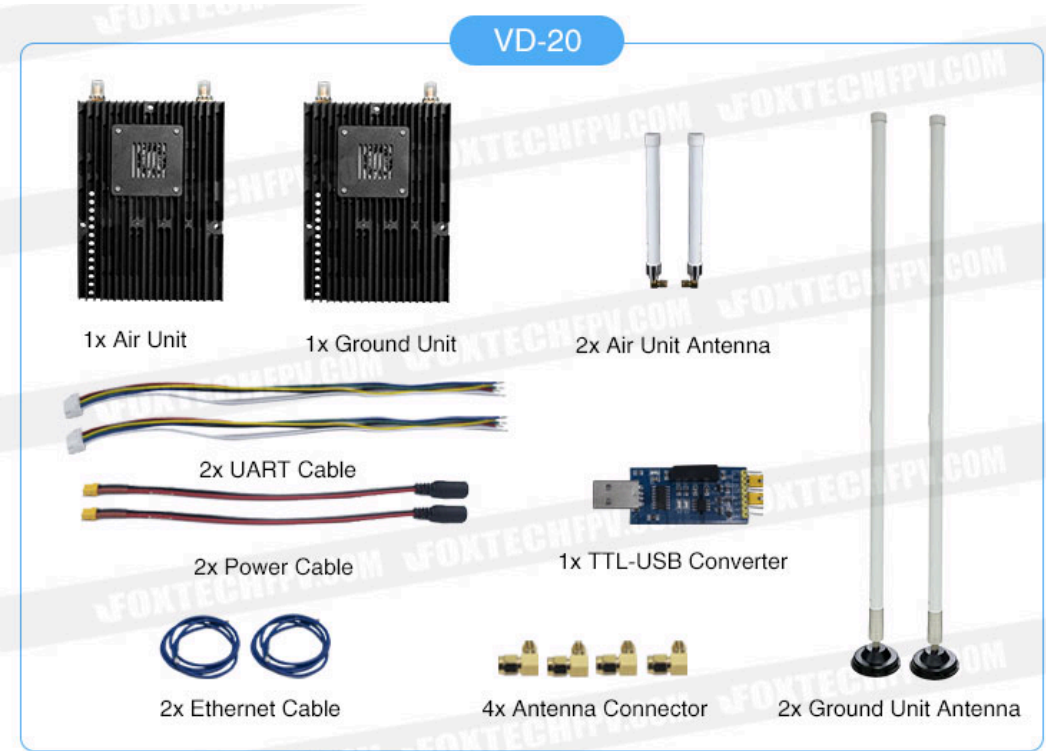


Unit: mm



▲ VD-20

Specification	VD-20	VD-150
Weight	240g	475g
Frequency	1.4 GHz-1.5 GHz	
Bandwidth	1.4 MHz/3 MHz/5 MHz/10 MHz/20 MHz/40 MHz (Configurable)	
EIRP	0-33dBm±2	0-40dBm±2
Receiver Sensitivity	1.4 GHz 3 MHz -106 dBm	
Modulation	OFDM/QPSK/16QAM/64QAM	
Bit Rate	Point to point max 80 Mbps	
Range	Air to ground: ≤20 km	Air to ground: ≤150 km
	Ground to ground: ≤3.6 km	Ground to ground: ≤5 km
Latency	Ethernet transmit ≤150 ms	
	UART ≤20 ms	
Network Forming Time	≤5 s	
Antenna	2*SMA	
Interface	ETH*1, Micro USB2.0, RS232 or UART*1 (3.3 V TTL), Debug*1	
Parameter Configuration	WEB page	
Voltage	24V±10%/2A	
Typical Power Consumption	27±3 W	60±6W
Temperature	Store: -40℃~+85℃	
	Working:-20℃~+70℃	



Specifications_

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★★★★★

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Transmission System

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System

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Transmission System

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★★★★★

CHOOSE OPTIONS

VDL

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