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

SKU: S220820   Availability: In Stock (28)   Weight: 12KG

$9,499.00

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Version:

| 20km | 150km |

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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.

This video transmitter can form star network by connecting max 8 air units to the hub, largely improving its capability.

Specification:
Weight: 240 g / 475 g
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: Ground to ground: ≤ 3.6 km
        Ground to ground: ≤ 5 km
Latency: Ethernet transmit ≤150 ms
UART ≤20 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℃

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

VD-20, using antenna diversity technique, is a 110 MHz, 80 Mbps, 20 km range video transmitter featuring small-size, low-power-consumption, high-sensitivity, high-diffraction-penetration, super-stable and high-resolution.
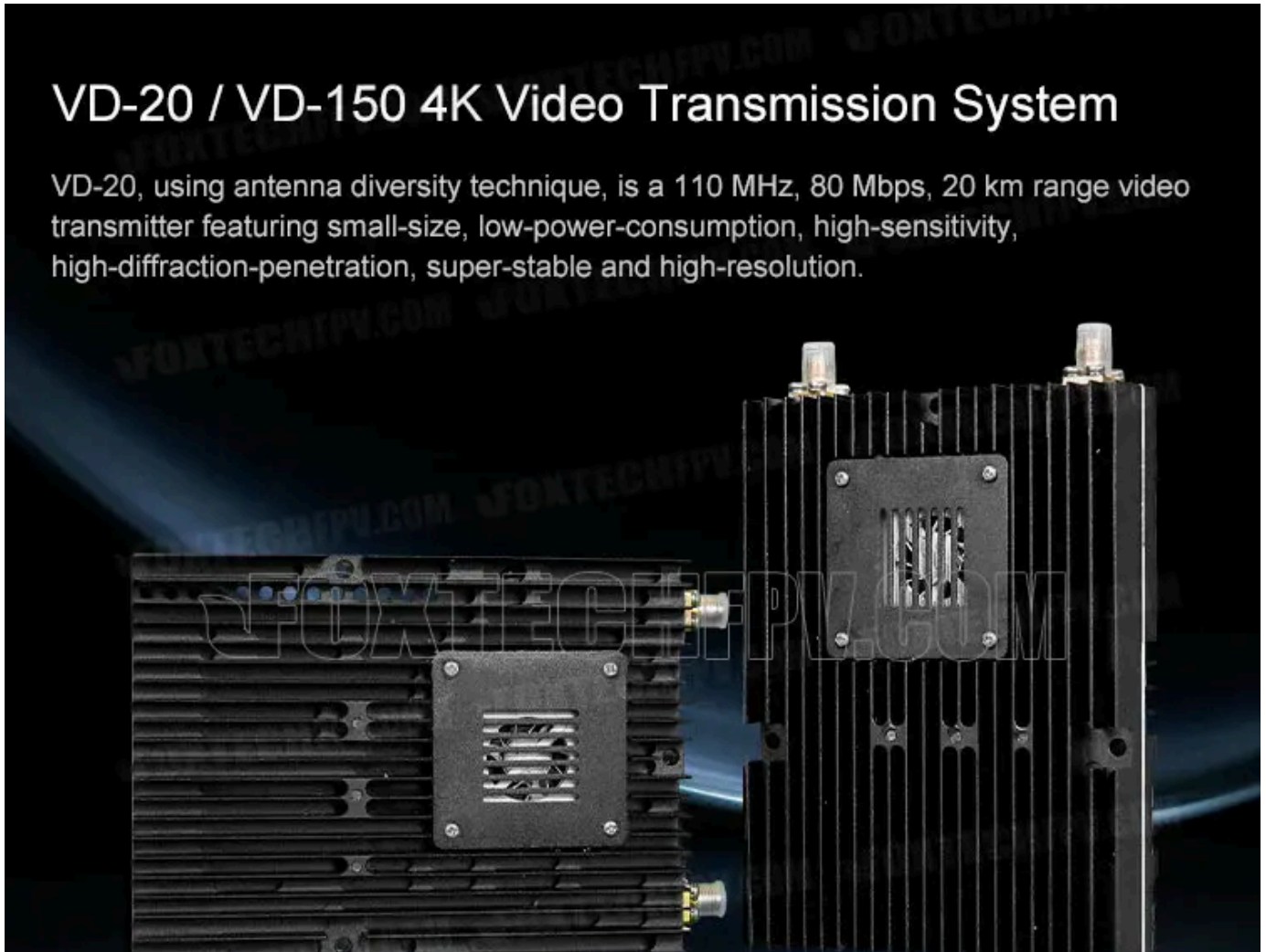
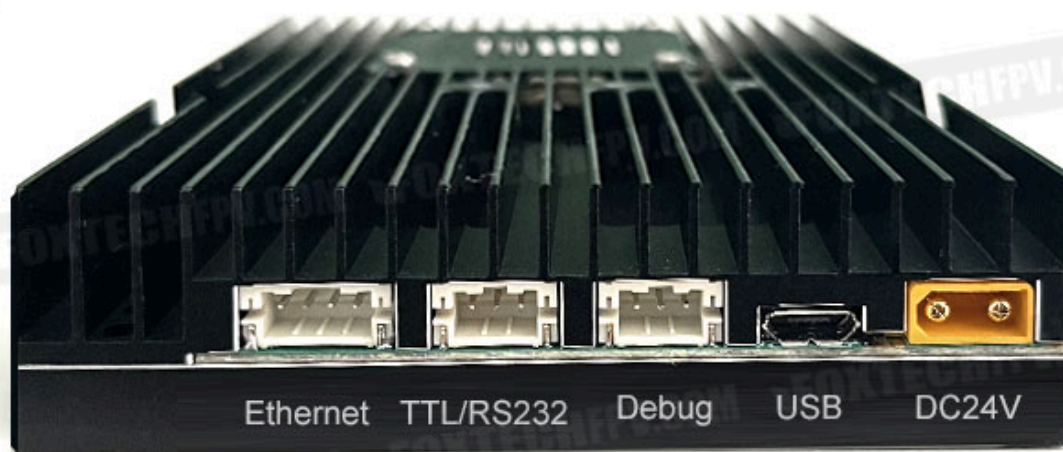| **4K**	**110MHz**	**8**	**≤150ms**
Image Transmission	Bandwidth	Networking Devices	Latency

4K Image Real-time Transmitting

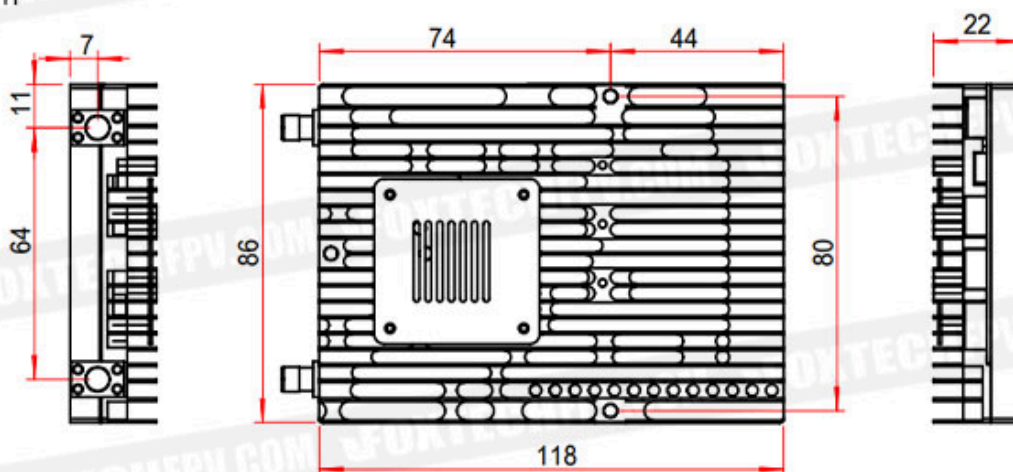80 Mbps max transfer rate allows 4K image transmission, and there is still 50 Mbps at the end of 20 km.（VD-20 version）

Star Network Forming By 8 Devices Connection

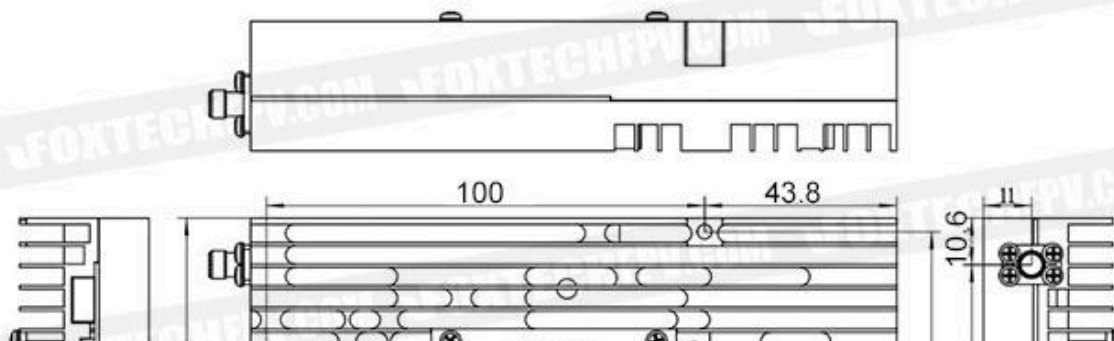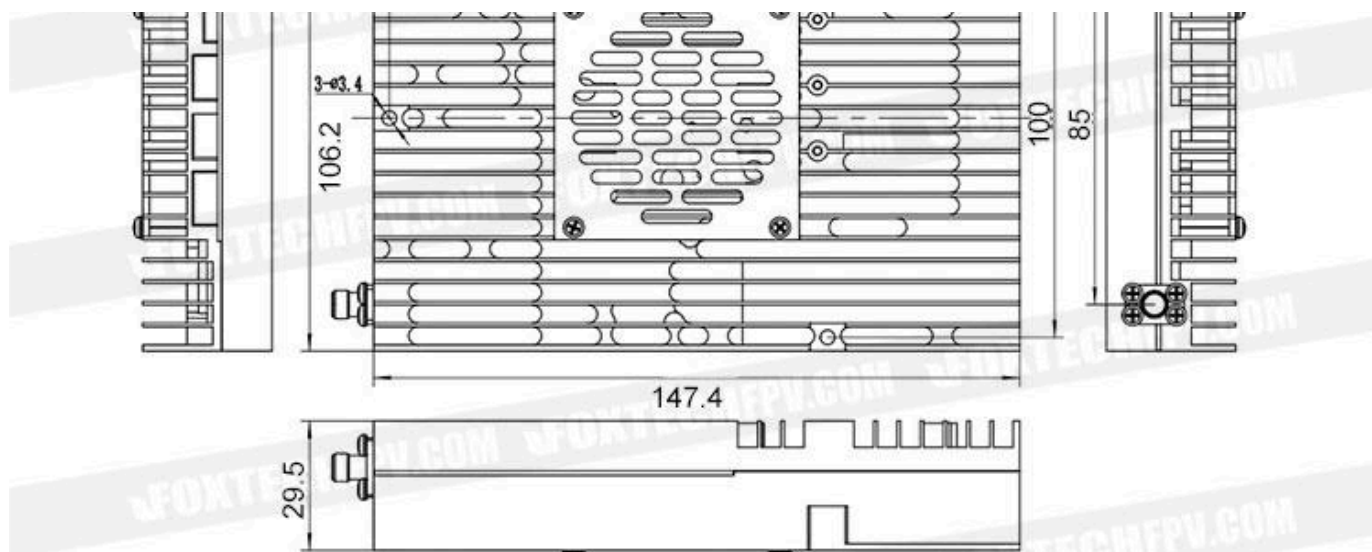Point to multipoints networking capacity is up to 8 nodes.

Ethernet | TTL/RS232 | Debug | USB | DC24V

Unit: mm

▲ VD-20

▲ VD-150

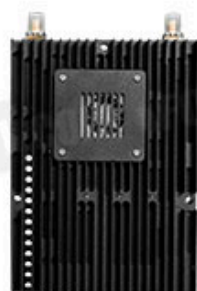| Specification	VD-20	VD-150
Weight	240g	475g
Frequency	1.4 GHz-1.5 GHz	
Bandwidth	1.4 MHz/3 MHz/5 MHz/10 MHz/20 MHz/40 MHz (Configurable)	
EIRP	0-33dBm±2	0-40dBm±2
Receiver Sensitivity	1.4 GHz 3 MHz -106 dBm	
Modulation	OFDM/QPSK/16QAM/64QAM	
Bit Rate	Point to point max 80 Mbps	
Range	Air to ground: ≤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
	Store: -40°C +85°C	

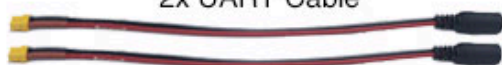| Temperature	Store: -40℃~+85℃
	Working:-20℃~+70℃

VD-20

1x Air Unit

1x Ground Unit

2x Air Unit Antenna

2x UART Cable

2x Power Cable

1x TTL-USB Converter

2x Ethernet Cable

4x Antenna Connector

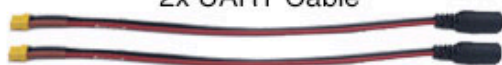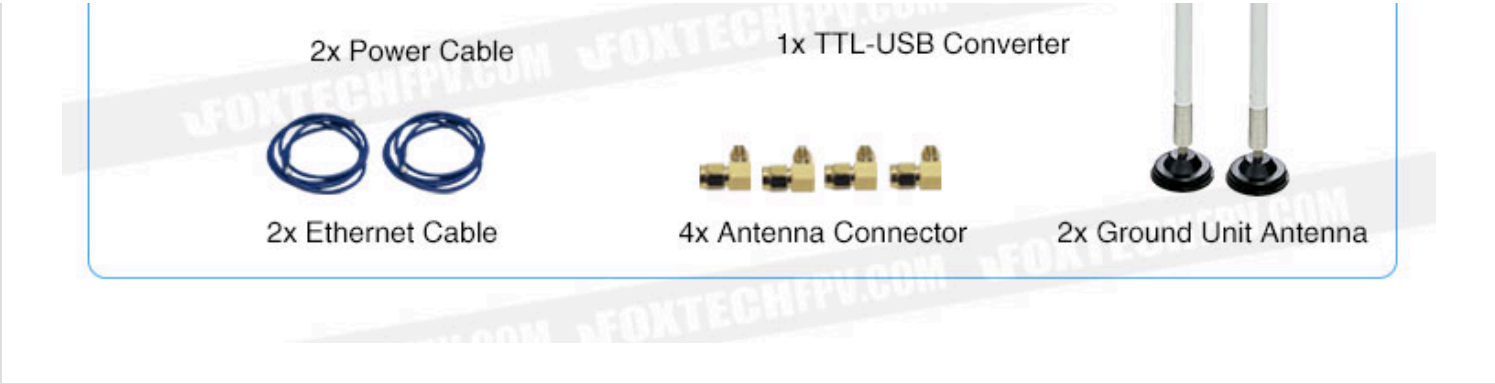2x Ground Unit Antenna

VD-150

1x Air Unit

1x Ground Unit

2x Air Unit Antenna

2x UART Cable

2x Power Cable

1x TTL-USB Converter

2x Ethernet Cable

4x Antenna Connector

2x Ground Unit Antenna

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