

80km Long Range Drone HDMI Video, Ethernet and Bi-directional Data Links

Model: FMS-8480



Frequency Option

- 800Mhz
- 1.4Ghz

Key Features

- Video Input Interface: HDMI+SDI
- Video Output Interface: HDMI+SDI+Ethernet
- Latency: End to end 50ms for 1080P30 video
End to end 40ms for 720P60 video
- 1*LAN Port: TCPIP/UDP
- 2* Serial Ports: Bi-directional Data Transmission
- 2* Antennas: Dual Tx antenna and Dual Rx antenna

Frequency	800Mhz	806~826MHz
	1.4Ghz	1428~1448MHz
Anti-interference	Frequency hopping	
Bandwidth	8MHz	
RF Power	4W	
Transmit Range	80km	
Date Rate	6Mbps (shared by video, Ethernet and serial data) The best video stream: 2.5Mbps	
Baud Rate	115200	
Rx Sensitivity	-104dbm	
Wireless Fault Tolerance Algorithm	Wireless baseband FEC forward error correction/video codec super error correction	
Video Latency	Total Latency for encoding + transmitting + decoding 720P/60 <50 ms	

	720P/30 <40 ms 1080P/60 <80ms 1080P/30 <50ms
Link Rebuild Time	<1s
Modulation	Uplink QPSK/Downlink QPSK
Video Compression Format	H.264
Video Color Space	4:2:0 (Option 4:2:2)
Encryption	AES128
Start Time	15s
Power	DC-12V (7 ~ 18V)
Interface	Interfaces on Tx and Rx are same <ul style="list-style-type: none"> ✧ 1*Video input/Output: Mini HDMI ✧ 1*Video input/Output: SMA(SDI) ✧ 1*Power Input Interface ✧ 2*Antenna Interface: SMA ✧ 2*Serial (3.3VTTL) ✧ 1*LAN (100Mbps)
Indicators	<ul style="list-style-type: none"> ✧ Power ✧ Wireless Link Status Indicator
Power Consumption	Tx: 28W(Max) Rx: 18W
Temperature	Working: -40 ~+ 85°C Storage: -55 ~+100°C
Dimension	Tx/Rx: 93*93*25.8mm(not include SMA & Power plug)
Weight	Tx/Rx: 250g
Metal Case Design	CNC Craft
	Double Aluminum Alloy Shell
	Conductive Anodizing Craft