

7-8km Short Range UAVs HDMI Video/Ethernet and Bi-directional Data Links

Model: FPS-8408

Frequency Option:

- 800Mhz
- 1.4Ghz

Key Features

- Video Input Interface: HDMI
- Both 1400Mhz and 800Mhz have penetrate ability for barriers
- 1* Serial Ports: Bi-directional Data Transmission
- 2* Antennas: Dual Tx antenna and Dual Rx antenna
- 1*100Mbps Ethernet port support TCP/UDP
- 1/4 inch screw hole on Tx for fixing on UAV



Frequency	800Mhz	806~826 MHz
	1.4Ghz	1428~1448 MHz
Bandwidth	8MHz	
RF Power	0.4Watt (Bi-Amp, 0.4watt Peak Power of each power amplifier)	
Transmit Range	800Mhz: 7km	
	1400Mhz: 8km	
Transmit Rate	6Mbps (Video Stream, Ethernet Signal and serial data share)	
	The best video stream: 2.5Mbps	
Baud Rate	115200bps(Adjustable)	
Rx Sensitivity	-104/-99dbm	
Fault Tolerance Algorithm	Wireless baseband FEC forward error correction	
End to End Latency	50-80ms for 1080P60/720P60 video encoding and decoding	
Link Rebuild Time	<1s	
Modulation	Uplink QNSK/Downlink QNSK	
Encryption	AES128	
Start Time	15s	
Power	DC-12V (7 ~ 18V)	

Interface	Interfaces on Tx and Rx are same
	Video input/Output: Ethernet×3
	Power Input Interface×1
	Antenna Interface: SMA×2
	Serial×1: (Voltage:±13V(RS232), 0~3.3V(TTL))
Indicators	Power
	Ethernet Status Indicator
	Wireless Connection Setup Indicator x 3
Power Consumption	Tx: 4W(Max)
	Rx: 3W
Temperature	Working: -40 ~+ 85°C
	Storage: -55 ~+100°C
Dimension	Tx/Rx: 57 x 55.5 x 15.7 mm
Weight	Tx/Rx: 65g
Design	CNC Technology
	Double Aluminum Alloy Shell
	Conductive anodizing craft