14-16km Drone Ethernet and Bi-directional Data Links

Model: FNM-8416

Frequency Option

- 800Mhz: 806-826Mhz
- 1.4Ghz: 1428-1448 MHz

Key Features

- Signal Input Interface: Ethernet RJ45 Port
- 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
- 3*100Mbps Ethernet port support 2way TCP/UDP and IP Camera access to
- 1/4 inch screw hole on Tx for fixing on UAV

Specifications		
Frequency	800Mhz	806~826 MHz
	1.4Ghz	1428~1448 MHz
Bandwidth	8MHz	
RF Power	0.6watt (Bi-Amp, 0.6watt Peak Power of each power amplifier)	
Transmit Range	800Mhz: 16km 1400Mhz: 14km	
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 base band FEC forward error correction	
Video Latency	The video not be compressed. No latency	
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: 5W Rx: 3.5W
Temperature	Working: -40 ~+ 85℃ Storage: -55 ~+85℃
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