

7-8km Short Range UAVs Dual IP Camera Video and Bi-directional Data Links

Model: FNS-8408

Frequency Option:

- 800Mhz
- 1.4Ghz

Key Features

- Video 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 | 0.4Watt (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 | |
| 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 | <p>Interfaces on Tx and Rx are same</p> <ul style="list-style-type: none"> ✧ Video input/Output: Ethernet×3 ✧ Power Input Interface×1 ✧ Antenna Interface: SMA×2 ✧ Serial×1: (Voltage:+-13V(RS232), 0~3.3V(TTL)) |
| Indicators | <ul style="list-style-type: none"> ✧ Power ✧ Ethernet Status Indicator ✧ Wireless Connection Setup Indicator x 3 |
| Power Consumption | <p>Tx: 4W Rx: 3W</p> |
| Temperature | <p>Working: -40 ~+ 85 °C Storage: -55 ~+85 °C</p> |
| 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 |

