



Ruggedised Outdoor Wireless Transmission Solutions

Multi-platform Outdoor Wireless Link

Firefly is the latest addition to Wavesight's range of high-performance, LICENCE-EXEMPT, wireless, CCTV links. Using WiFi standards based technology utilising OFDM modulation with multi-layer security features, this powerful plug-and-play wireless link has been optimised as a cost-effective solution for short-range (up to #=M) Point-to-Point applications delivering up to 150Mbps data rates.

Features:

- Master/Client PtP
- 5GHz 802.11a/n
- IEEE 802.3af POE
- 150Mbps Data Rate
- 13dBi MIMO Compatible Antenna
- 4~15dBm Radio Gain (1dBm steps)
- NTP Client
- SNMP V2/V3 Support
- VLAN 802.1q Support
- Transmit Power Control
- Dynamic Frequency Selection
- AES/WPA-PSK/WPA2-PSK Personal Enterprise
- 802.1x WPA-EAP/WPA2-EAP Radius Support
- SSID Masking
- MAC Filtering
- STP Support
- Multicast Enhancement Support
- Operating Range -20C / +70C

Applications:

- PtP Data
- PtP Video
- PtP Voice
- Master/Client
- Residential Gate-to-House
- Commercial Building-to-Building
- Industrial Data and CCTV
- Up to 1KM range of transmission



Powered by **wavesight**



Specialist in Outdoor Wireless CCTV Transmission Solutions

RADIO		N150
Operating Frequency	5.180-5.320GHz / 5.500-5.720GHz / 5.745-5.825GHz (country dependant)	
Operating Range	Up to 1KM	
Operating Mode		
- Master (WDS)	PtP	
- Client (WDS)	PtP	
Modulation	OFDM	
Maximum RF Power Output	1W EIRP	
Data Rate	IEEE 802.11a/n version 2.0 up to 150Mbps	
Frequency & Power Control	DFS & TPC	
Antenna Specification	Embedded 13dBi, Dual Linear H/V, 5150-5925 GHz GHz, 30° Azimuth, 30° Elevation, VSWR 1.5:1 (typ), 2:1 (max)	
Management Tools	Web Server / SNMP v2/v3	
QUALITY OF SERVICE		
IEEE	802.1p	
VLAN	802.1q	
INTERFACE		
Ethernet Interface	10/100 BaseT / Auto Sensing / All ports screened	
SECURITY		
Encryption	WEP Shared Key / WPA-PSK / WPA2-PSK / WPA-PSK Mixed Mode (CCMP, TKIP & CCMP)	
Authentication	802.11x / WPA-EAP / 802.11x / WPA2-EAP (TLS, TTLS, PEAP)	
POWER SUPPLY		
Input to PoE Injector	100-240V AC 50/60Hz	
Output from PoE Injector	IEEE 802.3af POE	
Power Consumption	6 Watts	
PHYSICAL		
Dimensions (HxWxD)	135mm x 135mm x 50mm	
Weight	350 Grams	
Mounting Bracket	Wall / Pole mount	
ENVIROMENTAL		
IP Rating	IP66 Impact resistant ABS	
Operating Temperature	-20C to +70C	
Humidity	5% to 95% (Non-Condensing)	
APPROVALS		
ETSI / EN Standards	EN 301 893-v1.7.1 (Accredited) / EN 302 502-v1.2.1 / EN 301 489-1/17 / EN 62311 / EN 60950-1	

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