



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	

Distributed By:

Unit 13, Dencora Way, Sundon Business Park, Luton, Beds, LU3 3HP, UK  
 T +44 (0)1582 578160, F +44 (0)1582 578298, E info@wavesight.com  
[www.wavesight.com](http://www.wavesight.com)

Copyright © Wavesight 2014. All rights reserved. All other company and product names maybe trademarks of their respective companies. While every effort is made to make sure the information shown is accurate, Wavesight does not accept any liability for any errors or mistakes that may arise. Specifications and other information may be subject to change without notice. All performance figures and other data contained in this document may vary by application.

wavesight

RoHS

ISO REACH

CE