Data Sheet

WinLink™ 1000 VS

Wireless transmission for high-quality video surveillance projects

Product Highlights

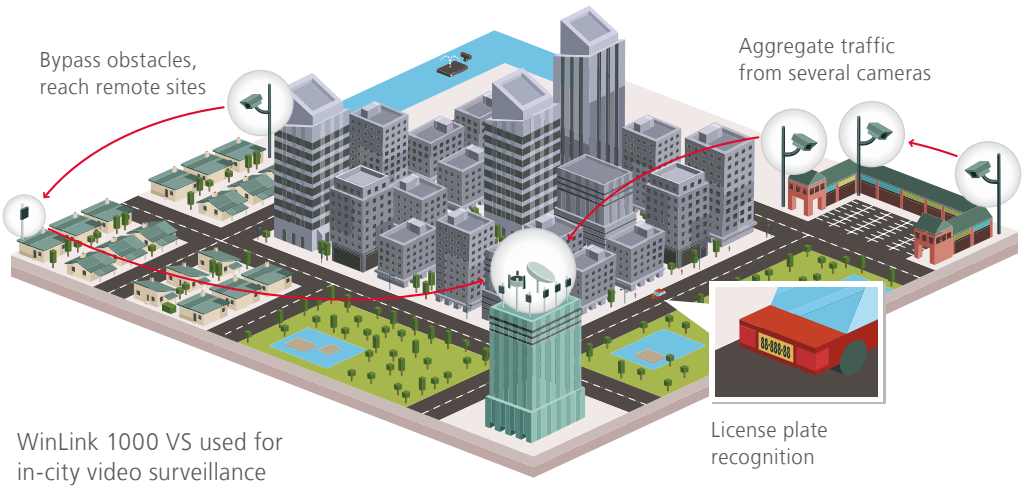
- High capacity transmission suitable for mega pixel cameras
- Asymmetric bandwidth - 5 Mbps uplink 2 Mbps downlink
- Multi-band radio supporting multiple frequencies for maximum transmission resiliency
- OFDM technology for operation in nLOS scenarios
- Extremely fast and simple to deploy

RADWIN's WinLink 1000 VS transmits video with high-quality in real time. Durable and robust, the WinLink 1000 VS wireless broadband solution incorporates advanced technologies including OFDM for superior performance in nLOS scenarios, multi-band feature for maximum transmission resiliency and asymmetric bandwidth control.

The ideal solution for mission-critical security and surveillance projects requiring video transmission from megapixel video cameras,

WinLink 1000 VS gives organizations the flexibility to deploy cameras where and when needed - especially in areas that are too remote or too costly to reach via cabling or fiber. The solution can be deployed in both a Point-to-Point and Multiple Point-to-Point architecture which enables one hub site to provide dedicated bandwidth to several remote camera sites.

For organizations that need to establish maximum surveillance coverage quickly and affordably, WinLink 1000 VS is the optimal solution.



WinLink 1000 VS used for in-city video surveillance

License plate recognition

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Specifications

Configuration			
Architecture	Fully outdoor radio with integrated antenna or external antenna PoE device for power and Ethernet connectivity		
Ethernet cable	Outdoor CAT-5 cable; Maximum length: 100m total		
Radio			
Frequency Bands	2.412 – 2.482 GHz ; 4.940 – 5.960 GHz		
Data Rate	2/5 Mbps Ethernet Net Throughput		
Channel Bandwidth	Configurable: 5, 10, 20 MHz		
Duplex Technique	TDD		
Modulation	OFDM – BPSK/QPSK/16QAM/64QAM		
Max Tx Power	18 dBm		
Received Dynamic Range	>60dB		
Error Correction	FEC k=1/2, 2/3, 3/4		
Hub Site Synchronization	Supported, between radios in Multiple Point-to-Point architecture		
LAN Interface			
Type	10/100BaseT Interface with Auto-negotiation (IEEE 802.3)		
Number of Ethernet Ports	1		
Framing/Coding	IEEE 802.3/U		
Line Impedance	100 Ω		
VLAN Support	Transparent		
Connector	RJ-45		
Maximum Frame Size	1800 Bytes		
Latency	<3 msec (typical)		
VLAN ID for Management	Supported		
Management			
Protocol	SNMP based		
Link Manager	RADWIN Manager		
Network Management	RADWIN NMS (RNMS); SNMPc based		
Upgrade Capabilities	Local and remote 'over the air' software upgrade		
Mechanical Dimensions			
Radio with 1ft integrated antenna	30.5cm(W) x 5.8cm(D) x 30.5cm(H); Weight: 1.5kg/3.3lbs		
Radio for external antenna	13.5cm(W) x 4.0cm(D) x 24.5cm(H); Weight: 1.0kg/2.2lbs		
Power and Mounting			
Power Feeding	100-240 VAC at 50/60 Hz (via PoE)		
Power Consumption	<10W		
Mounting	Pole and Wall		
Environmental			
Outdoor Unit Enclosure	All weather cases; IP67 compliant		
Operating Temperatures	-35°C to + 60°C		
Humidity	100% condensing; IP67		
Antenna - Integrated 1ft *	2.x GHz	4.9 GHz	5.x GHZ
Gain	16 dBi	16 dBi	22 dBi
Beam Width	20°	10°	9°
Polarization	Linear	Linear	Linear
Radio Regulation			
FCC	47 CFR Part 15, Subpart C		
India	WPC GSR-38		
ETSI	EN 300 328, EN 301 893, EN 302 502		
Safety			
UL	60950-1:2007; 60950-22:2007		
ETSI	EN 60950-1:2006; EN 60950-22:2006; IEC 60950-1:2005; IEC 60950-22:2005		
CAN/CSA	C22.2 No. 60950-1-07; C22.2.60950-22:2007		
EMC			
FCC	47 CFR Part 15:2007, Subpart B, Class B		
CAN/CSA	ICES-003:2004 Issue 4, Class B (CAN/CSA-CEI/IEC CISPR 22:02)		
ETSI	EN 300 386 V1.3.3:2005; EN 301 489-4 V1.3.1:2002		
AS/NZS	CISPR 22:2006, Class B		
Environmental (ETSI)	IEC 60721-3-4 Class 4M5; IP67		

*External antennas are available upon request

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