

IWVS SERIES

HIGH PERFORMANCE INTEGRATED WIRELESS VIDEO SURVEILLANCE SYSTEM

Features

System

- State-Of-The-Art Network Persistence, Robust Delivery of Video Surveillance.
- High Throughput and Low Latency Across Multiple Wireless Hops.
- Dynamic Channel Assignment, Automatic Power Control, Data Rate Selection for Optimum RF Spectrum Efficiency.

Wireless

- 802.11a or 4.9 GHz DSRC-C (high power) for public safety applications.
- 802.11g radio for client access.
- Takes advantage of Strix mesh network full-duplex capabilities.
- Strix Access/One Edge™ extends QoS from Strix mesh networks.
- Seamless Interoperability with Strix Access/One family of products.

Enclosure

- Supports Industry Leading IP-Enabled Pan-Tilt-Zoom (PTZ) Cameras.
- Thermoplastic alloy construction is vandal tough and UV resistant.
- IP66 and NEMA4X Certified
- Water and air-tight for Harsh Environmental Conditions
- Best Clarity Ratings in Industry
- Multiple Power, Antenna and Mounting Options.

Security

- Support for security/encryption standards including: WPA-PSK, WPA2-PSK, WEP, TKIP, AES.
- MAC Address Access Control Lists.
- Supports all L2 and L3 VPNs.

Connectronics introduces the Integrated Wireless Video Surveillance System (IWVS) for the new generation of broadband wireless video surveillance. The IWVS, powered by Strix Edge™ wireless access, is the first integrated wireless video system to offer high performance 802.11a and high power (DRSC-C) 4.9 GHz for licensed public safety applications with optional 802.11g for WiFi client access.



Enclosed in a vandal-tough weatherized enclosure for IP-Enabled Intelligent Pan-Tilt-Zoom (PTZ) cameras, the IWVS offers intelligent radio algorithms that dynamically adjust to the environment resulting in superior multi-megabit, multi-RF and multi-channel capabilities. Working in concert with Strix outdoor mesh networks for robust, continuous high throughput, low latency and preserved Quality Of Service. IWVS also supports industry-standard security algorithms for secured backhaul and client connectivity. Not only for stationary applications, the IWVS can be utilized for semi permanent, strategic and even mobile applications. It is the perfect compliment to existing or new applications such as public safety, transportation, municipal, industrial and enterprise. Available in a variety of configurations, including: COOLDOME™ for temperatures reaching 150° F (66 C°) or higher. The integrated thermo-electric solid state cooling system automatically maintains temperatures of 45° F (25° C) utilizing high-flow fans to remove heat without air exchange into the sealed housing and controls humidity. Alternatively, the "RING OF FIRE" heated interior system provides 360 degrees of radiant heat around the interior to prevent cameras and components from freezing in climates down to -40° F (-40° C).

CONNECTRONICS
Distributors of 
Wireless and Connectivity Products

IWVS
powered by
Strix
SYSTEMS

Technical Specifications

Wireless Specifications

- Wireless Standards: IEEE 802.11a/b/g
- Frequency Bands:
802.11a/4.9 GHz radio is DSRC-C mask compliant
802.11g 2.4-2.497 GHz
(Availability of specific bands is dependent on region model number)

- Data rates (Mbps)
6,,9,,12,,18,,24,,36,,48,,54

- Transmit Power:
802.11a: 26 dBm
4.9 GHz: 30 dBm
802.11b/g: 26 dBm

- Receiver Sensitivity:

802.11g:

- 98 dBm @ 1 Mbps
- 94 dBm @ 5.5 Mbps
- 91 dBm @ 11 Mbps
- 93 dBm @ 6 Mbps
- 91 dBm @ 12 Mbps
- 85 dBm @ 24 Mbps
- 82 dBm @ 36 Mbps
- 77 dBm @ 48 Mbps
- 75 dBm @ 54 Mbps

802.11a/4.9 Mbps:

- 93 dBm @ 6 Mbps
- 90 dBm @ 12 Mbps
- 84 dBm @ 24 Mbps
- 81 dBm @ 36 Mbps
- 76 dBm @ 48 Mbps
- 74 dBm @ 54 Mbps

- LO (crystal) Frequency Stability:
+/-20PPM

Ethernet LAN

- 10/100Base-T (auto-sensing)

LAN Indicators

- Power And Signal

Electrical

- External Power Supply Input:
12-48 VDC +/- 10%
- Vehicle-rated surge suppression
10.8 VDC cutoff
- Ethernet with PoE in (802.3 af)
- 10W max power consumption

Physical

- Dimension: 9.5" (24cm)L x 6" (16cm)W x 2" (5cm)
- Weight: 1.5 Lb (0.6g)
- Temperature: -40°F (-40°C)
- Humidity: 95% Non-condensing

Operating Modes

- 802.11a/4.9 STA, 802.11b/g AP
- VLAN mapping for client traffic

Security

- WPA-PSK, WPA2-PSK, WEP, TKIP, AES
- MAC Address Access Control Lists

Remote Management

- Local and remote network management via HTTP, SNMP, CLI
- Remote firmware upgrades
- Multiple Troubleshooting options

Enclosure Specifications

Mechanical

- Dimensions: 14.9" (378.5mm)L x 11.7" (297.2mm)W x 13.2" (335.3mm)H
- Weight: 8 lbs (3.6 kg)
- Enclosure: thermal Plastic Compound
- Lens: Hight Impact Acrylic, .125"
- Thickness: (3.175mm)

Electrical

- Power Source: 12 VDC, 24VAC, 110 VAC, 20 VAC
- AC Frequency: 47-63 Hz
- Input Current: 1.2A@ 110 VAC max. w/camera
- Power Consumption (by enclosure type)
 - COOLDOME: 12V 150W
 - RING OF FIRE: 12V 125W
 - HEATER/BLOWER: 12V 50W
 - TORNADO: 50W

Environmental

- COOLDOME: 40° F (4° C) to 150° F (66° C)
- RING OF FIRE: to -40° F (-40° C) to 105° F (40° C)
- HEATER/BLOWER: 15° F (-9° C) to 105° F (40° C)
- TORNADO: 40° F (4° C) to 105° F (40° C)

Warranty

One year warranty

Ordering Information

CONNECTRONICS

Distributors of
Wireless and Connectivity Products

888-245-8363 • sales@connectronics.com

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