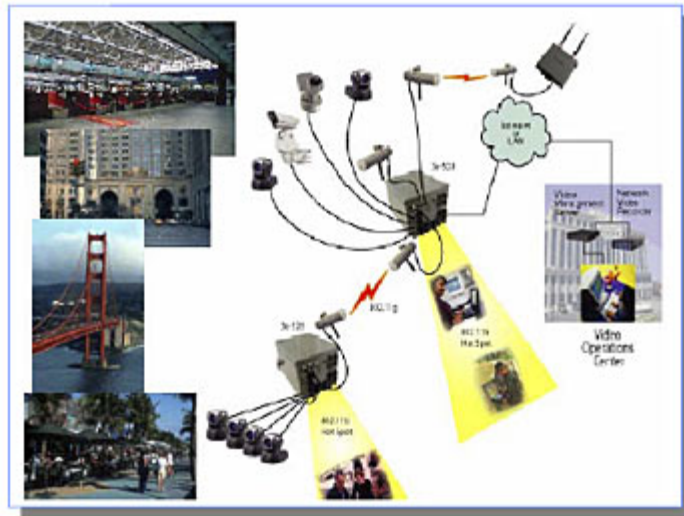


Airvenue-AG Expanding Homeland Security

Model 525V-2 and 528 Wireless Video Servers



Benefits:

- Real-time video surveillance
- Improved protection
- Mobile hotspot deployment
- 1 to 4 cameras input & control
- Secure AES encryption
- Low cost – easy deployment
- 11/54/108 Mbps wireless access
- 54/108 Mbps wireless bridging
- Rugged weather-proof case
- DoD proven, built to Mil Specs

Safeguarding People and Property

Government and industry need information rapidly to safeguard vital infrastructures. Airvenue provides world-class wireless infrastructure for vital applications such as video surveillance with mobile hotspots and built-in security. These solutions vastly improve our insight into what is happening, when it is occurring, to (or by) whom, where, and why. This knowledge is critical in forming decisions to protect personnel, thwart terrorism, and improve operations.

Enhanced Security

Wireless infrastructure is ideal to protect: cities, military bases, utility complexes, transportation centers, and office parks. It meets the needs for event detection, preparedness, prevention, protection, response and, when necessary, recovery. Wireless infrastructure enhances security by establishing a far-reaching, integrated early warning system to protect vital resources and staff.

An array of video cameras networked by Airvenue-AG wireless video servers can be deployed as components of a wireless alert system. Emergency support personnel can see what is happening, where it is occurring, and respond in real-time. Mobile wireless access expands information acquisition and management capabilities -- it enables the saving of lives while mitigating property and critical infrastructure losses.

Wireless ... the Key Component

Airvenue has established such a wireless security solution. The Military bases at which the solution is deployed are a microcosm of a typical community with hundreds of buildings, public works facilities, fire & police forces, and thousands of daily citizens and commuters. The solution is designed for the monitoring, surveillance, alert, control, and command communications using a myriad of sensors.

Virtual Monitoring

The solution, a Virtual Perimeter Monitoring System, is composed of Airvenue-AG model 525V-2 and 528 Wireless Video Servers providing high speed 54 or 108Mbps wireless bridging/repeating as well as 11/54/108Mbps WLAN hotspot connectivity. It uses the latest in Government approved encryption technology combined with remote controlled, high-sensitivity cameras and other IP-based sensors.

Wireless hotspots are propagated at each Airvenue-AG video server's location and provide mobile access and control of surveillance video as well as access to the wired LAN. Wireless bridging links all video cameras and provides extended coverage to the furthest reaches of the base boundaries and to key surveillance areas.

State-of-the-Art Security

Airvenue-AG infrastructure solutions employ Department of Defense approved, military-spec, rugged APs with built-in security suitable for harsh environments and extreme temperatures. Airvenue-AG FIPS 140-2 Validated™ access points and crypto modules deliver hardened security with advanced encryption. The NIST-approved, 256 bit AES encryption can be further strengthened with JITC certified DoD PKI and Common Access Cards (CACs). In addition, Airvenue's dynamic user key solution can provide additional levels of wireless network security.

Legacy Systems Integration

In homeland security solutions, Airvenue's hardware and middleware are designed to leverage existing infrastructures as well as integrate with legacy systems. Existing infrastructures can be enhanced with an area-wide monitoring network coupled with Geographic Information System (GIS) maps and floor plans, assisting control of multiple video & sensor networks, electronic devices, and SCADA networks. Such an integrated security solution can centrally monitor and control broad ranges of facilities and equipment.

Airvenue-AG wireless solutions offer the best flexibility when designing multifaceted networks. With them you can start small and incrementally grow as labor, design, materials, and maintenance costs are minimized.

Airvenue-AG wireless solutions offer the invaluable advantage of mobile access to vital information where and when it is needed, while still delivering broad coverage with high data throughput and built-in security.

These homeland security solutions are ideal for all communities, office complexes, Universities, medical facilities, power, water and sewage plants, etc. They can provide expansive video surveillance while delivering secure, high speed, wireless data networking throughout the community.



Airvenue-AG model 525V-2
wireless Video Server



Airvenue-AG model 528
Multi-port
Video Server

Airvenue-AG model 525V-2 and 3e-528 Wireless Video Servers

Video Frame Rates

Image frames: up to 25 PAL / 30 NTSC
Bandwidth control – no data saturation

Video Compression

5 levels of compression
Motion JPEG, MPEG1, MPEG2, MPEG4

Video Resolution

QCIF: 176x112 NTSC, 176x144 PAL
CIF: 352x240 NTSC, 352x288 PAL
4CIF: 704x480 NTSC, 704x576 PAL

Pan/Tilt/Zoom

P-T-Z for remote camera control – major manufacturers & protocols: Pelco, Panasonic, Sony, etc.

Ports

4 x BNC video (3e-528), 1 x BNC video (3e-525V-2)
1 x WAN
4 x serial P-T-Z (3e-528), 1 x serial P-T-Z (3e-525V-2)
4 x camera power (3e-528), 1 x camera power (3e-525V-2) – 110/220V depending upon power

Power Requirements

100 – 240 V AC, 47 – 63 Hz

Weight

19 lbs (model 528), 5.5 lbs (model 525V-2)

Size

12" x 10" x 8" (model 528)
9.25" x 8.25" x 3.00" (model 525V-2)

Wireless features

Multi mode: access point, bridge/repeater, gateway
Model 528: 802.11b access point, IEEE802.11b/g bridge/repeater
Model 525V-2: 802.11a/b/g access point & 802.11a/b/g bridge/repeater with Turbo A and Super G data rates of up to 108Mbps
Adjustable RF power

Security

Rogue AP detection
FIPS 140-2 Validated, 256 bit AES encryption
Non-FIPS mode, WEP
Optional Security Server
Supports DoD PKI

Temperature

0° C - 50° C operating & -40° C - 80° C storage (528)
-30° C - 70° C (w/ TEC option) operating & -40° C - 80° C storage (525V)
Operating Humidity: 0% to 95% non-condensing

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