

Video Surveillance Solution

Security and Protection

State and Local, Public Safety, First Responders and Incident Response Secure Monitoring, Video Surveillance and Sensor Applications

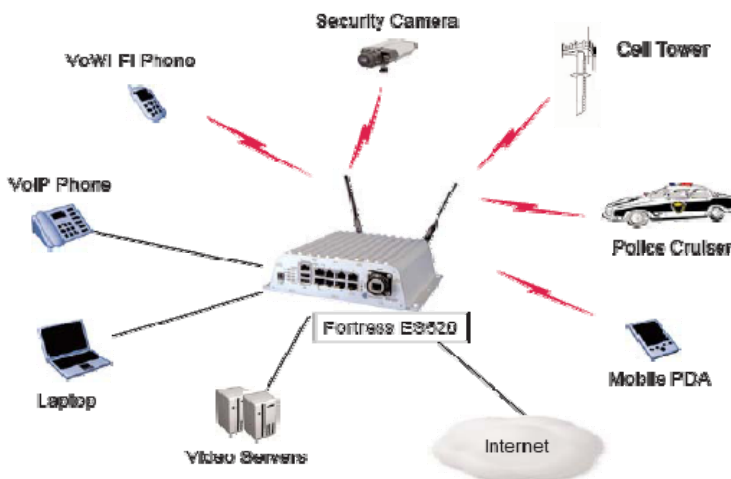
With today's increasing concern over protecting vital assets and infrastructure including ships, munitions, docks, airstrips and buildings, implementing surveillance systems is exceedingly important for many organizations. Realizing the need for constant surveillance, many organizations deploy sensors and surveillance cameras to monitor and protect infrastructure assets such as ports and piers, bases, tunnels and airfields. Wireless cameras, which are ideal for mobile applications such as security and command vehicles, as well as stationary assets, are an integral component of today's perimeter security and situational awareness applications.

The Fortress Difference

Fortress has extensive experience providing wireless solutions that provide broadband quality networking for surveillance applications and sensor networks. The value that Fortress brings is providing secure, state-of-the-art wireless communications systems for video surveillance and sensor networks, while minimizing system complexity and guarding against obsolescence.

The Fortress ES520 Secure Wireless Access Bridge is a highly integrated and versatile wireless communications platform ideally suited for use in situational awareness applications. The design centers on customers' needs for maximum RF range, broadband performance, network resilience and high assurance security that can be deployed across a variety of network topologies.

The Fortress ES520 combines the functions of an access point, switch, wireless bridge and security gateway in a form factor engineered specifically for harsh outdoor environments. These capabilities allow organizations to establish lines of communication in areas with no available infrastructure - a crucial aspect of situational awareness.



Solution Overview



Applications:

- Perimeter Security
- Government/Public Facilities
- Industrial Security
- Law Enforcement
- Nuclear Power Plants
- Petrochemical Security
- Sensor Networks
- Port Security
- Tactical Security Systems

Features and Benefits:

Simple and Secure Connectivity

The Fortress ES520 enables organizations to rapidly establish a high-performance wireless mesh network by combining the functions of an access point, switch, wireless bridge and security gateway in a form factor engineered specifically for harsh outdoor environments.

Maximum Range and Network Resilience

With powerful radios for access and reachback, a portable and rugged form factor for harsh environments, as well as high assurance security for protection, the ES520 ensures that network access can be made available almost anywhere.

Solution Overview

Features and Benefits:

Highly Portable and Rugged Design

The rugged design and small form factor of the ES520 provides the delivery of dependable performance in a wide range of conditions, from arid mountainous desert environments to lowland jungles. The ES520 can be deployed in a "rapid response kit" or pole-mounted with its water-resistant face plate.

Easy to Configure and Manage

Fortress ES520s require minimal configuration and management, making them easy for field personnel to deploy. ES520s are designed for quick and intuitive management, whether through the browser-based management GUI or CLI.

High Assurance Certified Security

With FIPS-validated, Layer 2, AES-256 encryption, Fortress products eliminate the opportunity for hackers to intercept important network data, view network addresses or interrupt availability. Fortress offers proven security that has been thoroughly tested and deployed in the most demanding environments.

LTI DataComm
23020 Eaglewood Ct. #100
Sterling, VA 20166
www.ltidata.com
800-677-5050

FEATURES AND SPECIFICATIONS

Range	<ul style="list-style-type: none">• Tested up to 32 miles (directional antenna)• Tested up to 7 miles (omnidirectional antenna)
Performance	<ul style="list-style-type: none">• Up to 100 secure clients
Encryption	<ul style="list-style-type: none">• AES-128, 192, 256• WPA2 (802.11i)• NSA Suite B Cryptography ungradeable
Authentication	<ul style="list-style-type: none">• Internal or external RADIUS, PKI/CAC• Network, user and device
Management	<ul style="list-style-type: none">• Secure browser-based GUI, CLI or SNMP
SSID Support	<ul style="list-style-type: none">• Up to 4 SSIDs

HARDWARE

Enclosure	<ul style="list-style-type: none">• Rugged .125" aluminum• NEMA 4
Mounting	<ul style="list-style-type: none">• Mast mounting kit and weatherizing kit included
Chassis Dimensions	<ul style="list-style-type: none">• 2.7"H x 8.8"W x 6.7"D (6.9 cm x 22.4 cm x 17.1cm)
Weight	<ul style="list-style-type: none">• 3.46 lbs. (1.57 kg)
Connections	<ul style="list-style-type: none">• Eight RJ-45 10/100 LAN ports w/ auto-MDIX and PSE• RJ-45 10/100 WAN port with PoE receiver• RJ-45 serial console port• USB port for future functionality
Radios	<ul style="list-style-type: none">• 200mW 802.11a/b/g radio (max transmit power is 23dBm)• 400mW 802.11a radio (max transmit power is 26dBm)
Antenna Support	<ul style="list-style-type: none">• 2 N-style external antenna connectors (female)
Radio Modes of Operation	<ul style="list-style-type: none">• Wireless access point or bridge
Power Supply	<ul style="list-style-type: none">• External AC-DC power adapter (48V), or PoE (PoE injector included)• Polarity protection
Power Draw	<ul style="list-style-type: none">• 13W maximum
Port LEDs	<ul style="list-style-type: none">• Link, activity, status, PoE
Radio LED	<ul style="list-style-type: none">• Strength and association
Warranty	<ul style="list-style-type: none">• Includes 1 year of maintenance and support

ENVIRONMENTAL

Cooling	<ul style="list-style-type: none">• Convection (no fans)
Operating Temperature	<ul style="list-style-type: none">• -10 to 50°C
Humidity	<ul style="list-style-type: none">• 5 to 95%
Weather Resistance	<ul style="list-style-type: none">• Water-resistant front panel cover plate included• IP56• NEMA 4• Lightning arrestor
Vibration, Bounce, & Shock	<ul style="list-style-type: none">• MIL-STD 810F

CERTIFICATIONS

Safety & Emissions	<ul style="list-style-type: none">• CE, FCC, UL 60950-1, IEC 60529 (CB Test)
NIST	<ul style="list-style-type: none">• FIPS 140-2 Level 2
Common Criteria	<ul style="list-style-type: none">• EAL 3 Submitted