



Wireless Video Surveillance

Solutions for the Construction Sites

Product Highlights

- Extend video surveillance beyond current fiber and copper locations
- Monitoring: construction site entry points, building sites, perimeter fencing, trailers, and supplies (eg. lumber, tools).
- Video images can be transmitted over a secure Internet connection or private IP network for security, general contractor and/or client monitoring, at little or no cost.
- Completely scalable – easily expanded or reconfigured as site needs change, and flexibility to redeploy to new sites
- Less expensive than wired solutions, and far more efficient to install without delays associated with fiber trenching approvals and installation
- Can leverage existing IP network



EION's wireless video surveillance solutions provide the Construction Industry with the reliability, freedom and easy setup of new wireless technology with the flexibility and cost savings of IP-- for dependable video surveillance with exceptional performance.

Are the costs of theft and vandalism, draining your profits?

Construction sites have been hard hit by theft and vandalism. In recent years, a deluge of crime has occurred. With sites often located in isolated areas and without access to infrastructure services (fiber, copper, electricity), how do you protect your assets and people?

EION wireless video surveillance is the answer. Our solutions can be quickly and easily installed to monitor even the largest, most complicated sites. And, when the job is over, take your network to your next site. Speed, affordability and the ultimate in flexibility to ensure your assets and people are protected.

How can EION's Intelligence in the Air help you today?

EION's wireless video surveillance solutions allow you to:

- Combine benefits of both wireless and IP technology in a single solution
- Conduct dependable and secure surveillance in virtually any setting
- Deploy rapidly – sites can be installed and operational in as little as four hours
- Operate a flexible network where cameras can be reconfigured as needs change
- Add surveillance of mobile environments like trains and buses to your surveillance system

How EION's wireless video surveillance solutions work:

- Cameras capture video images in a format that is suitable for transmission over the IP network
- The images are transmitted to a subscriber unit located near the monitored area
- The subscriber unit wirelessly transmits the images to an access point device
- The access point device relays the images over the Internet or private IP network to a control centre
- Images can be monitored and stored on a server

How EION's surveillance solutions help your organization:

- Makes industrial facilities, property, and personnel more secure
- Wireless technology reduces implementation and maintenance costs. No cost to bury cable or leased line charges.
- Non Line of Sight (NLOS) capability; reduces total base stations required.
- Protects investment in current and legacy equipment by allowing you to use your existing IP network for video surveillance

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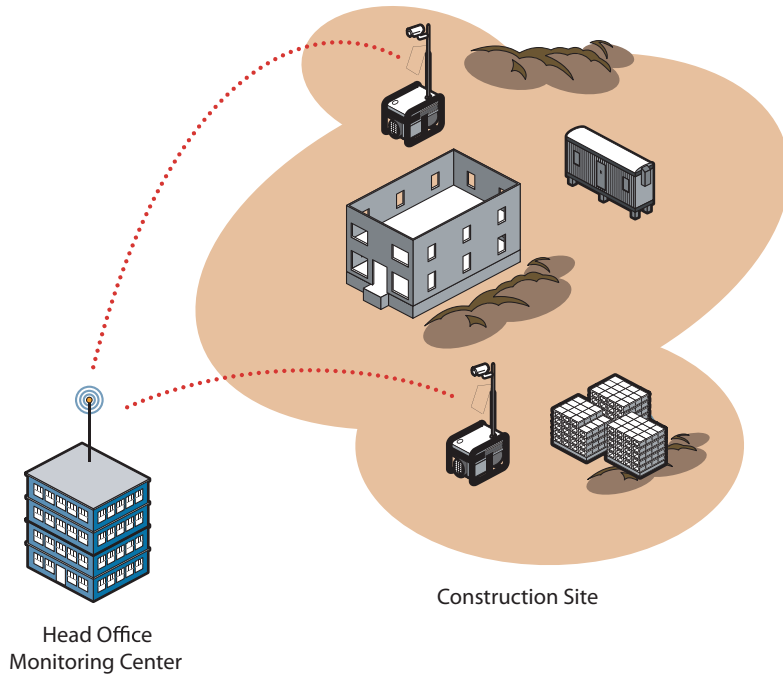
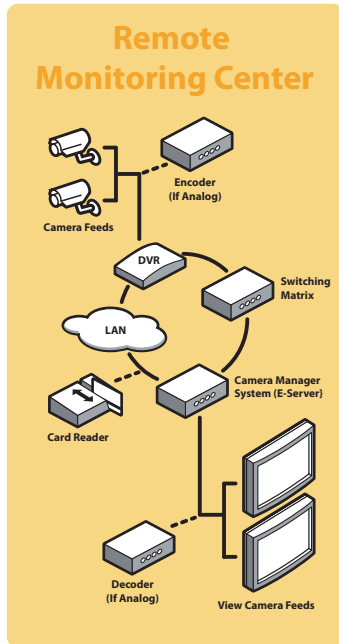
Solutions for Construction Sites

BENEFITS OF WIRELESS SURVEILLANCE AT A CONSTRUCTION SITE:

- Reliable protection of people and assets
- No need to lay fiber in locations where infrastructure doesn't exist
- Lower costs, and complete flexibility to change/move equipment as site needs and locations change
- Installation can be completed within hours – overcomes high costs and time delays associated with digging up roads
- 24/7 Remote monitoring
- High quality video imaging to security center, day or night

CONSTRUCTION SITE REQUIREMENTS:

- **Deter crime and protect property:**
 - Reduce theft (eg. Equipment, tools, building materials)
 - Reduce vandalism, or even arson
- **Increase employee safety:**
 - Monitor employees and activities on-site
 - Place limits on those who enter the site
 - Timely response in case of accident



EION Product Suite

| | VIP 110-24 | Ultima 3 | LibraPlus 5845 |
|----------------------------|---|---|--|
| Ideal Use | Harsh Environments | Rural settings, applications requiring extended range | Multi-camera backbone links, special events, applications requiring superior throughput and capacity |
| Advantages | Cost-effective, dependable solution | Superior range, ruggedness, robustness, and solid performance | Highest throughput and capacity and rapid deployment |
| Throughput (raw/effective) | 11 / 8 Mbps | 12 / 10 Mbps | up to 54 Mbps |
| Maximum Range | Up to 60 km (37 miles) point to point, 22 km (14 miles) point to multipoint | 75 km (45 miles) point to point, 38 km (24 miles) point to multipoint | 50 km (32 miles) point to point, 50 km (32 miles) point to multipoint |
| Frequencies | 2.40 to 2.50 GHz | 5.725 to 5.850 GHz | 5.x GHz |
| Weather Resistance | Yes | Yes | Yes |
| MPEG 4 Streams* | 5 | 8 | 20 |
| Technology | DSSS | MC-DSSS | OFDM |
| Security | Proprietary protocol, inherently secure | Proprietary protocol, inherently secure | WPA, WPA-EAP (TKIP AES), WEP (64, 128, 154) MPPE |

* Assumes high quality RF link, and encoders set to 1 MB bit rate



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EION Wireless, a division of EION Inc., is a global provider of Broadband Wireless products that enable effective, economic and secure wireless high-speed communications solutions. As a Principal Member of the WiMAX Forum with several thousand broadband wireless installations, EION Wireless is committed to providing standardized, interoperable products based on 802.16 standards. The company's licensed and unlicensed frequency products are used by wireless ISPs, private network operators, and remote rural networks and in voice and data backhaul applications to solve last mile challenges. EION Wireless works with more than 165 worldwide channel partners to support its diverse global customer base.