



# Wireless Video Surveillance

## Solutions for Gated Communities

### Product Highlights

- Extend high speed data beyond current fiber and copper locations, to gated community entry points, perimeter fencing, community centers, playgrounds, and street-corners.
- Video images can be transmitted in a closed environment (to the guard station), or over a secure Internet connection or private IP network (remote monitoring- by guards and residents alike) at little or no cost
- Less expensive than wired solutions, and far more efficient to install without delays associated with fiber trenching approvals and installation
- Completely scalable – can be expanded at little cost or reconfigured quickly as needs change
- Can leverage existing IP network



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

### EION's solutions support the safety goals of Gated Communities:

Gated communities by definition are a form of closed community, characterized by a controlled entrance for pedestrians, bicycles, and automobiles. They are usually staffed by full-time private security guards, and lead into one or more small residential streets with walls or fences surrounding the perimeter of the entire development.

In recent years, a much larger number of gated communities have rapidly developed worldwide, especially in China, Philippines, Brazil, Mexico and the United States. Once limited to golf course developments, today these communities can encompass hundreds of residential units, schools, supermarkets, with their own water treatment plants. The safety of these residents is ideally served by the flexibility and reliability of wireless video surveillance solutions – in established or new communities.

EION wireless video surveillance is the answer. Speed, affordability and the ultimate in flexibility to ensure residents and property 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

# Wireless Video Surveillance

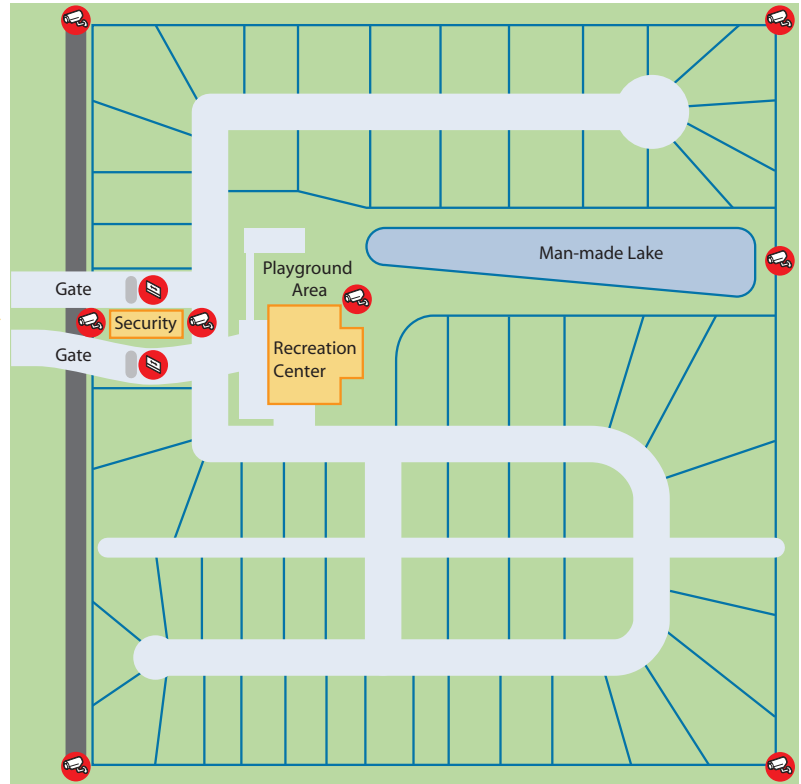
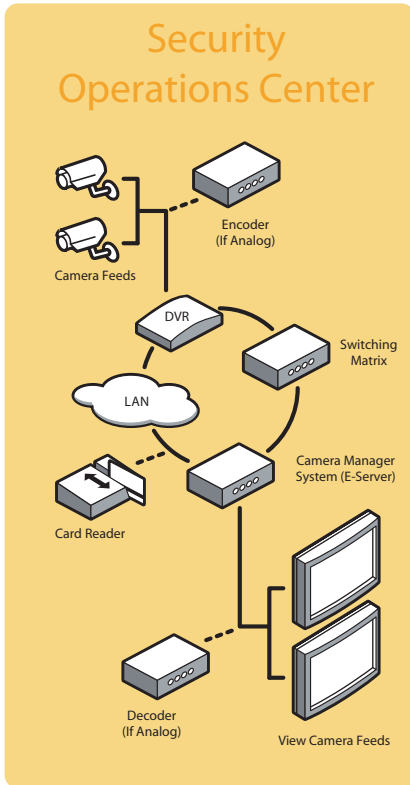
## Solutions for Gated Communities

### Benefits of Wireless Surveillance in a gated community:

- Much lower cost than laying fiber (lower purchase price for homeowners)
- Elimination of ongoing leased-line fees (usually passed on to the homeowner)
- Installation that can be completed within hours – overcomes cost, delay and mess associated with digging up roads
- Remote monitoring flexibility
- High quality video imaging (day or night) – to security center and for resident access (e.g. enables them to monitor children at nearby playground)

### Benefits for Residents:

- Deter crime
- Increase safety
- Place limits on those who enter
- Peace of mind
- Privacy
- Desire for maintenance-free living and amenities (eg. community centers, golf courses)



## 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



**Corporate Headquarters**  
 320 March Road, Suite 500  
 Ottawa, ON K2K 2E3  
 Canada  
 Phone: +1 (613) 271-4400  
 Fax: +1 (613) 271-7040

www.eionwireless.com

**Toll Free (North America): +1 (866) 346-6555**

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.