

Visonic Ltd's photoelectric beams are excellent detectors with high reliability and false alarm immunity for a wide variety of applications. Here are a variety of outdoor, outdoor/indoor and indoor systems that best suit your installation needs. They are easy to install, align and maintain, and their cost-effectiveness will improve the bottom line.



# Photoelectric Beam Detectors

## VMX-150D, VMX-300D & VMX-450D

### Photoelectric dual-beam system for outdoor use

VMX-150D, VMX-300D and VMX-450D are engineered to provide years of trouble-free operation, with high false alarm immunity, in virtually all weather conditions. They are easy to install and align.

- High power, active **dual IR beams**
- Superior false alarm immunity
- Rugged all-weather design
- 10 to 24 VDC operation
- Alignment viewfinder
- Special time delay eliminates false alarms
- Protection against lightning spikes and transients
- -25°C to 60°C (-13°F to 140°F) operating temperatures
- Pole mount kit included



#### VMX-150D

Outdoors 25m (75 ft)  
Indoors 50m (150 ft)

#### VMX-300D

Outdoors 50m (150 ft)  
Indoors 100m (300 ft)

#### VMX-450D

Outdoors 75m (225 ft)  
Indoors 150m (450 ft)

## VMX-100

### Compact outdoor/indoor photoelectric system

VMX-100 is compact, weather resistant and easy to install. A simple alignment procedure ensures maximum performance and false alarm immunity, even in extreme temperatures.

- Active single IR beam, low-profile transmitter and receiver units
- Superior false alarm immunity
- Weather-resistant design (IP 54)
- 12 to 24 V DC/AC operation
- -20°C to 70°C (-4°F to 158°F) operating temperatures
- 8 m (25 ft) outdoor; 30 m (100 ft) indoor beam range



# Photoelectric Beam Detectors

## IR-50 & IR-150

### Pulse-modulated, photoelectric beam system for indoor use

Both IR-50 and IR-150 consist of an easy-to-align transmitter and receiver, creating the perfect photoelectric system for indoor use. IR-50 has a wide angle transmitter lens that allows the use of multiple receivers with a single transmitter.



- Easy to install and service
- Visible beam locator for easy alignment
- Special time delay eliminates false alarms
- 9 to 16 VDC, protected against reverse polarity
- -10°C to 50°C (14°F to 122°F) operating temperatures

#### IR-50

- Ultra-wide beam for multiple receiver operation
- Up to 50 m (150 ft) coverage
- Current: transmitter 20 mA; receiver 15 mA
- 40° transmitter field-of-view

#### IR-150

- Up to 150 m (450 ft) coverage
- Current: transmitter 15 mA receiver 15 mA
- 6° transmitter field-of-view

The Visonic Group has been a world leader in the design, development and manufacture of systems and components for the security industry for more than 25 years.

Visonic Ltd has earned its reputation as an industry leader with its high quality, cost-effective range of products, which includes detectors, wireless systems, control panels, access control and central stations. The company invests in the development of new technologies to provide reliable cost-efficient solutions for the challenges that face the security industry now and in the future.

*Visonic Ltd reserves the right to change specifications without prior notice.*

**Head Office (Israel):** Tel (972- 3) 6456789, Fax (972-3) 6456788

**Visonic Inc. (U.S.A.):** Tel (1-860) 243-0833, (1-800) 223-0020, Fax (1-860) 242-8094

**Visonic Ltd (U.K.):** Tel (44-1767) 600857, Fax (44-1767) 601098

**Visonic Iberica (Spain):** Tel (34-91) 413-4575, Fax (34-91) 413-4597

**Visonic GmbH (Germany):** Tel (49-2173) 32422, Fax (49-2173) 32416

**Visonic Ltda (Latin America):** Tel (598-2) 707-6170, Fax (598-2) 707-6169

**Visonic Ltd Representative Office (Singapore):** Tel (65) 832-5090, Fax (65) 832-5091

**Visonic Ltd Nordic Representative Office:** Tel (47) 6758-0843, Fax (47) 6758-0814

[www.visonic.com](http://www.visonic.com)

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