



Detection Solutions



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Detection Solutions For All Types of Intrusion Scenarios

OPTEX has developed a portfolio of innovative intrusion solutions over a 45-year history. Based upon a multi-layer philosophy, OPTEX aims to provide comprehensive detection for every vulnerable area. Whether safeguarding large-scale critical infrastructure or protecting your home from opportunistic burglars, OPTEX offers tailored solutions to meet your security needs.

Commercial Detection Solutions:

OPTEX detection technologies are deployed in thousands of commercial sites worldwide. They are an integral part of many corporate security and building management systems. Commercial sites such as industrial parks, car dealerships etc., often have open perimeters with no physical barriers. In such cases, OPTEX commercial security technology can create a virtual perimeter, enabling unrestricted access during operational hours while providing reliable alerts if anyone approaches after hours.

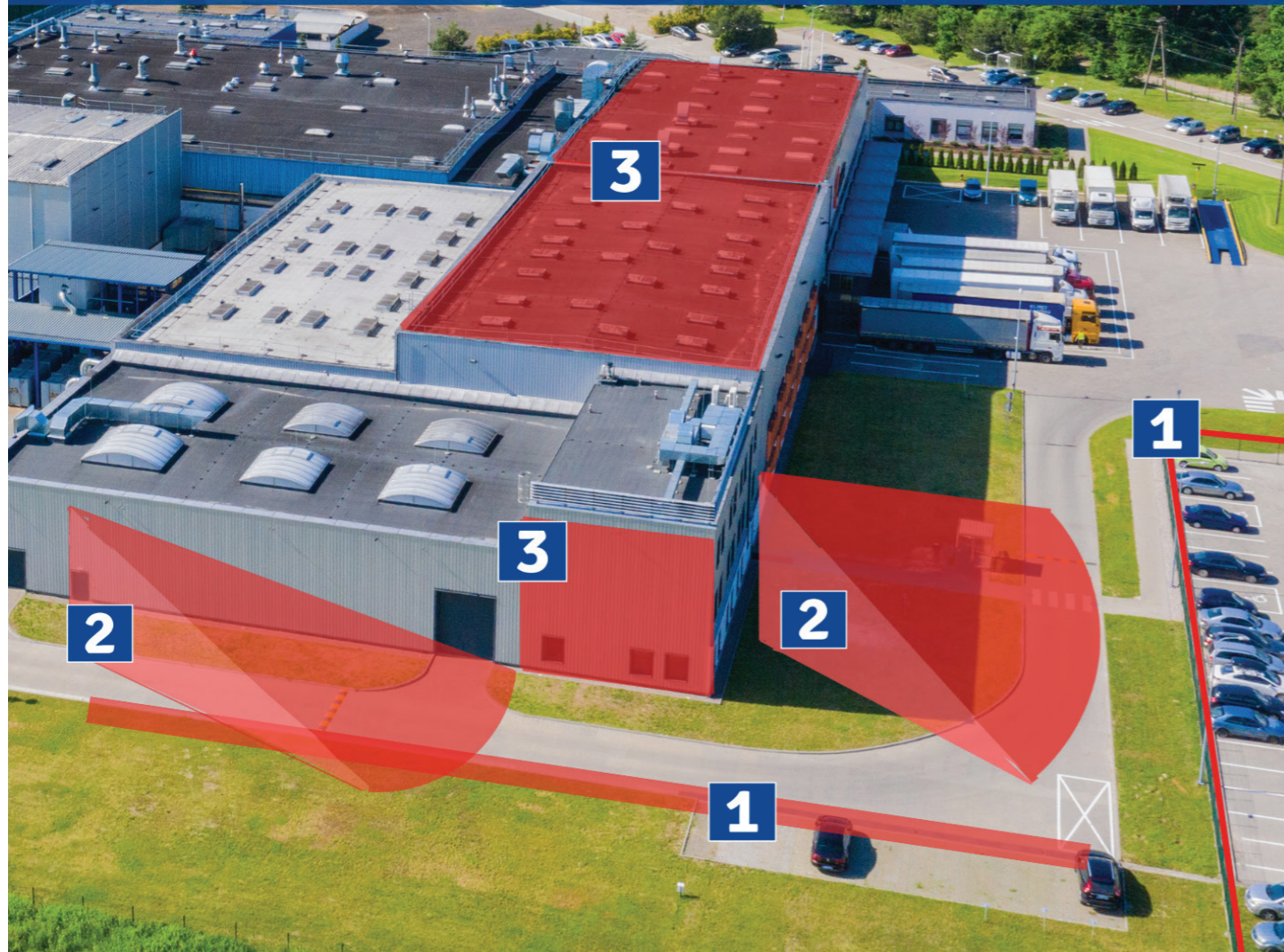
Domestic and Light Commercial Detection Solutions:

Preventing home burglaries and vehicle thefts starts with detecting intruders early, before they can cause harm or gain access to a property. Homes, garages and even driveways will be better protected if intruders are detected before entering the area. OPTEX offers proven indoor and outdoor intrusion detection solutions, with sensors specifically designed to ignore small animals.



Commercial Detection Solutions

A range of detectors to suit all types of intrusion scenarios



1 Point to Point Detection



Optex AX-70T 21m Point to Point Twin Beam Set. • 21 metre outdoor range	O08AX70T
Optex AX-130T 40m Point to Point Twin Beam Set. • 40 metre outdoor range	O08AX130T
Optex AX-100TF 30m Point to Point Twin Beam Set. • 30 metre outdoor range • 4 selectable beam frequencies allows stacking in beam towers • Alarm indicator LED for fast & accurate optical alignment	O08AX100TF
Optex AX-100TFR Wireless 30m Point to Point Twin Beam Set • 30 metre outdoor range • Twin beam • 4 selectable beam frequencies allows stacking in beam towers • Alarm indicator LED for fast & accurate optical alignment • Long battery life - requires 4 x R10LSH20 batteries (sold separately) • Requires wireless transmitter & receiver (sold separately)	O08AX100TFR HKC RF Optex Module Compatible (H01RFOPTEx) with Optex BCU-5
Optex AX-200TF 60m Point to Point Twin Beam Set. • 60 metre outdoor range • 4 selectable beam frequencies allows stacking in beam towers • Alarm indicator LED for fast & accurate optical alignment	O08AX200TF
Optex AX-200TFR Wireless 60m Point to Point Twin Beam Set • 60 metre outdoor range • 4 selectable beam frequencies allows stacking in beam towers • Alarm indicator LED for fast & accurate optical alignment • Long battery life - requires 4 x R10LSH20 batteries (sold separately) • Requires wireless transmitter & receiver (sold separately)	O08AX200TFR HKC RF Optex Module Compatible (H01RFOPTEx) with Optex BCU-5



• Optex SL-200QDP 60m Point to Point Quad Beam Set • 60 metre outdoor range • Alarm indicator LED & sound gauge for fast & accurate optical alignment	O08SL200QDP
• Optex SL-350QDP 100m Point to Point Quad Beam Set • 100 metre outdoor range • Alarm indicator LED & sound gauge for fast & accurate optical alignment	O08SL350QDP
• Optex SL-350QFR Wireless 100m Point to Point Quad Beam Set • 100 metre outdoor range • Alarm indicator LED for fast & accurate optical alignment • Long battery life - requires 4 x R10LSH20 batteries (sold separately) • Requires wireless transmitter & receiver (sold separately)	O08SL350QFR HKC RF Optex Module Compatible (H01RFOPTEx) with Optex BCU-5
• Optex SL-650QDP 200m Point to Point Quad Beam Set. • 200 metre outdoor range • 4 selectable beam frequencies allows stacking in beam towers • Alarm indicator LED & sound gauge for fast & accurate optical alignment	O08SL650QDP

2 Redwall Intelligent PIR Detection



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- Automatic sensitivity management to ambient temperature and light
- Three dual pyro-elements with patented Double Conductive Shielding
- Anti-vandalism features including anti-masking and anti-rotation function with 3-axis accelerometer
- 2.3m to 4m mounting height
- Optional 6m x 9m independent creep zone sensor to cover the area between the detector and the building

Detection range	Voltage	Creep zone	RSPL Code
30m x 20m	11-16V DC / 22-26V AC	No	O08SIP3020
30m x 20m	11-16V DC / 22-26V AC	Yes	O08SIP30205
30m x 20m	3-9V DC (battery powered)	No	O08SIP3020WF
40m x 10m	11-16V DC / 22-26V AC	No	O08SIP4010
40m x 10m	11-16V DC / 22-26V AC	Yes	O08SIP40105
40m x 10m	3-9V DC (battery powered)	No	O08SIP4010WF
40m x 4m	11-16V DC / 22-26V AC	No	O08SIP404
40m x 4m	11-16V DC / 22-26V AC	Yes	O08SIP4045
40m x 4m	3-9V DC (battery powered)	No	O08SIP404WF
50m x 30m	11-16V DC / 22-26V AC	Yes	O08SIP5030
100m x 3m	11-16V DC / 22-26V AC	Yes	O08SIP100
Optex SIP-AT Redwall SIP Series Installation Tool Kit			O08SIPAT

3 Redscan LiDAR Detection



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Extremely accurate intrusion detection sensors using time-of-flight technology to identify the size, location and distance of moving or loitering objects and track them to the exact X and Y coordinates.

LIDAR technology uses laser light to measure distances and create detailed maps of environments. Think of it like a high-tech radar, but instead of using radio waves, it uses light waves. The LiDAR or laser scanner emits an infrared beam of light and measures how long it takes to return after hitting a certain object.

A variety of detectors with different features and ranges (e.g. 20 x 20m, 30 x 60m, 50 x 100m) are available.

Domestic and Light Commercial Detection Solutions Outdoor



1 Outdoor PIRs



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- Optex VXI-ST Outdoor 90° PIR
- 12 metre 90° range
 - 5 types of pre-cut masking seals included for different detection patterns
 - Animal tolerance

O08VXIST



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- Optex WXI-ST Outdoor 180° PIR
- 12 metre 180° range
 - Independent left and right detection areas
 - Animal tolerance

O08WXIST

- Optex WXI-R Wireless Outdoor 180° PIR
- 12m metre 180° range
 - Independent left and right detection areas
 - Animal tolerance

O08WXIR

HKC RF Optex Module Compatible (H01RFOPTX)

- Optex WXS-RAM Wireless Outdoor 180° PIR with Antimasking
- 12 metre 180° range
 - Independent left and right detection areas
 - Animal tolerance
 - Selectable mounting height - low (0.8m - 1.2m) or high (2m)

O08WXS RAM

HKC RF Optex Module Compatible (H01RFOPTX)

2 Outdoor Curtain PIRs



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- Optex FTN-ST Outdoor Curtain PIR
- Short-range curtain detection - selectable range of 2 or 5 metres
 - Animal tolerance

O08FTNST

- Optex FTN-R-PT Wireless Outdoor Curtain PIR
- Short-range curtain detection - adjustable range between 2 and 5 metres
 - Animal tolerance

O08FTNRPT

HKC RF Optex Module Compatible (H01RFOPTX)

3 Outdoor Dual Curtain PIRs



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- Optex BXS-ST Outdoor Dual Curtain PIR
- 12 metre per side detection
 - Independent left and right detection areas
 - Animal tolerance

O08BXSST

- Optex BXS-R Wireless Outdoor Dual Curtain PIR
- 12 metre per side detection
 - Independent left and right detection areas
 - Animal tolerance

O08BXS R

HKC RF Optex Module Compatible (H01RFOPTX)

- Optex BXS-RAM Wireless Outdoor Dual Curtain PIR with Antimasking
- Antimasking
 - 12 metre per side detection
 - Independent left and right detection areas
 - Animal tolerance

O08BXS RAMW

HKC RF Optex Module Compatible (H01RFOPTX)

Optex BX Front Covers and Shield Caps available in Black, Silver and White

4 Outdoor High Mount PIR



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- Optex High Mount Outdoor PIR
- 12 metre 85° range
 - Adjustable detection patterns
 - Animal tolerance
 - 2.5 - 3 metre mounting height

O08HX40

HKC RF-Optex Module



H01RFOPTX

- The HKC RF-Optex module enables the wireless transmission of alarm and tamper signals from wireless Optex products to HKC SecureWave intruder alarm panels.
- Included battery powers the Optex product as well as wireless transmission (additional batteries required with O08AX100TFR, O08AX200TFR & O08SL350QFR)
- Long battery life, typically 3 years

Optex BCU-5



O08BCU5

- Accessory to share the battery power between the wireless active beams and the wireless transmitter



Domestic and Light Commercial Detection Solutions Indoor



1 Indoor PIRs



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<p>Optex FLX-S-ST FlipX Standard Indoor PIR with Rotatable Lens</p> <ul style="list-style-type: none"> • Wide 12 metre, 85° or narrow 18 metre, 5° detection • 2 - 3 metre mounting height • Animal tolerance 	O08FLXSST
<p>Optex FLX-S-DT FlipX Standard Indoor Dual Technology Detector with Rotatable Lens</p> <ul style="list-style-type: none"> • Wide 12 metre, 85° dual technology detection or narrow 18 metre, 5° PIR detection • 2 - 3 metre mounting height • Animal tolerance 	O08FLXSDTX8
<p>Optex CW-G2 Multi Angle Wall and Ceiling Mount Bracket</p> <ul style="list-style-type: none"> • For mounting the FLX-S-ST and FLX-S-DT detectors 	O08CW-G2



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<p>Optex FLX-A-AM FlipX Advanced Grade 3 Indoor PIR with Antimasking and Rotatable Lens</p> <ul style="list-style-type: none"> • Wide 15 metre, 85° or narrow 24 metre, 5° detection • 2 - 3 metre mounting height • Antimasking • Adjustable sensitivity from low to super high 	O08FLXAAM
<p>Optex FLX-A-DAM FlipX Advanced Grade 3 Indoor Dual Technology Detector with Antimasking and Rotatable Lens</p> <ul style="list-style-type: none"> • Wide 15 metre, 85° dual technology detection or narrow 24 metre, 5° PIR detection • 2 - 3 metre mounting height • Antimasking • Adjustable sensitivity from low to super high 	O08FLXADAMX8



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<p>Optex CX-702 Indoor PIR with Rotatable Lens</p> <ul style="list-style-type: none"> • Wide 21 x 21 metre or narrow 45 x 10 metre range • Twin pyro for advanced reliability 	O08CX702
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Indoor 360° PIRs



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Optex FX-360 Indoor 360 Degree Ceiling PIR

- 12m 360° range
- False alarm protection

O08FX360



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Optex SX-360ZV Indoor 360 Degree Ceiling PIR

- 18m 360° range
- 276 high density detection zones
- False alarm protection

O08SX360ZV



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