

Optex Product Digest

Multi-layered security to prevent damage and theft

A Zone: Perimeter Protection



B Zone: Approach and building boundary



C Zone: Indoor security



First line of defense: Protects the extreme perimeter



SL-100TNR/200TNR



Short range/battery operated
 SL-100TNR: 30m
 SL-200TNR: 60m

Features

- Sniper viewfinder
- Universal powered operation
- Easy battery replacement



AX-100TFR/200TFR



Short range/battery operated
 AX-100TFR: 30m
 AX-200TFR: 60m

Features

- Selectable 4ch beam frequencies
- Easy battery replacement
- Triple tamper function



SL-350QFR/350QNR



Long range/battery operated
 SL-350QFR:100m Selectable 4ch beam frequencies
 SL-350QNR:100m Standard model

Features

- Sniper viewfinder
- IP65 protection



AX-70TN/130TN/200TN/100TF/200TF

Short range/hard-wired
 AX-70TN:20m , AX-130TN:40m, AX-200TN:60m
 AX-100TF:30m, AX-200TF:60m

Features

- Selectable 4ch beam frequencies (AX-TF only)
- IP65 protection



SL-200QN/350QN/650QN

Middle & long range/hard-wired
 SL-200QN:60m
 SL-350QN:100m
 SL-650QN:200m

Features

- Quad high power beams
- Sniper viewfinder
- IP65 protection



**SL-200/350/650QDP
 SL-200/350/650QDM**

Advanced/hardwired
 SL-200QDP/200QDM:60m
 SL-350QDP/350QDM:100m
 SL-650QDP/650QDM:200m

Features

- Quad high power beams
- Double modulation
- Sniper viewfinder
- IP65 protection
- A.T.P.C. to optimize the beam power (SL-QDM only)
- I.A.S.C. Integrated alignment status communications (SL-QDM only)

Pre-built beam towers

QDM and QDP models can be stacked into pre-assembled beam towers

When using active infrared beams for perimeter protection it is good practice to mount them into towers rather than on to walls or poles. This enhances the security level as the housing protects them from possible vandalism and conceals the mounting location making it very difficult for potential intruders to determine the number and height of beams installed. Another key benefit of using towers is the ability to host several supplementary components



into a weatherproof enclosure, which can be mounted in a tidy and organised way. Towers can be single-sided or double-sided, wall mounted or ground mounted, and are available in 2 or 3m housing.

Optional accessories

TWAA



Anti climb top tamper

TWMR FAN KIT



12 Volt fan kit with thermostat

STTWEB



Concrete floor bracket for 180° free standing

TWEB



Concrete floor bracket for 360° double sided free standing towers

DC12V



12 Volt Power supply 1.8Amp with bracket

TWE



Tower head extension for installation of light

Optional accessories

ABC-4



Anti Bird Cap for

- SL-200QDM/350QDM/650QDM
- SL-200QDP/350QDP/650QDP
- SL-200QN/350QN/650QN
- SL-350QFR/SL-350QNR



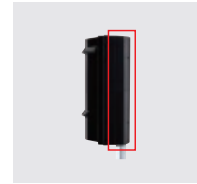
BC-3



Pole Cover

- Back cover bracket which can be used to cover mounting pole.
- AX-70TN/130TN/200TN/100TF/200TF

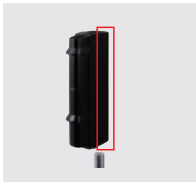
BC-4



Pole Cover

- Back cover bracket which can be used to cover mounting pole.
- SL-200QDM/350QDM/650QDM
- SL-200QDP/350QDP/650QDP
- SL-200QN/350QN/650QN
- SL-350QFR/350QNR

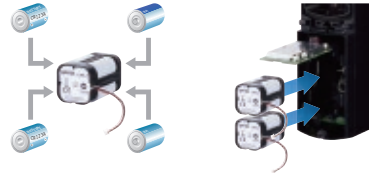
CBR-4



Conduit Bracket for

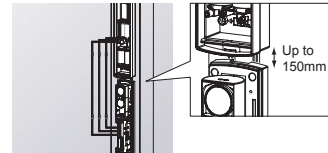
- SL-200QDM/350QDM/650QDM
- SL-200QDP/350QDP/650QDP
- SL-200QN/350QN/650QN

CRH-5



Battery holder when using CR123A as a power source.
CR123A: Transmitter x 8pcs, Receiver x 8pcs.
Battery life : Approx. 1year
For SL-TNR only

EC-4



Extension Cable with Connector for

- SL-350QFR/SL-350QNR

MP-4



Main unit mounting bracket (for lower mounting)

- Compatible with**
- AX-100TFR/200TFR



Tamper bushing (without the tamper bushing, the LED's are kept ON, which consumes more power)

PCU-5

Voltage converter unit used to enable wired operation of the detector.



- Compatible with**
- SL350QFR/350QNR
 - AX-100TNR/200TNR

PSC-3



Pole Cover

- Pole side cover for installing 2 units to 1 pole.
- AX-70TN/130TN/200TN/100TF/200TF

PSC-4



Pole Side Cover for

- SL-200QDM/350QDM/650QDM
- SL-200QDP/350QDP/650QDP
- SL-200QN/350QN/650QN
- SL-350QFR/350QNR

BCU-5



Share power source and low battery signals between the main unit and the wireless transmitter.
for

- SL350QFR/350QNR
- AX-100TFR/200TFR
- SL-100TNR/SL-200TNR

HU-3



Heating Unit for

- SL-200QDM/350QDM/650QDM
- SL-200QDP/350QDP/650QDP
- SL-200QN/350QN/650QN
- AX-70TN/130TN/200TN/100TF/200TF

Input voltage	3.2 - 4.0 VDC	
Low battery input (EX+/-)	N.C. input only	
Current draw	Approx. 5 μ A at 3.6 VDC (no load)	
Output voltage	Normal	Approx. 3.0 - 3.6VDC
	Low battery	Approx. 2.0 - 2.6VDC
Output current	100 mA (max.)	
Operating temperature	-20°C - +60°C (-40°F - +140°F)	
Operating humidity	95% (max.)	

Power input	24VAC/DC
Current draw	420mA(max.) (Per 1 unit) 60°C (140°F)

Second line of defense: Protects the middle area between the perimeter and boundary



WXS-AM/DAM

Panoramic outdoor detector

WXS-AM: 12m/180° PIR with anti-masking
 WXS-DAM: 12m/180° PIR/MW with anti-masking

Features

- Individual detection area and sensitivity setting (right/left)
- Adaptive IR digital anti-masking
- Selectable mounting height (0.8-1.2 m or 2 m)
- Double conductive shielding to filter sunlight and RFI/EMI
- Temperature compensation and detection algorithm (SMDA logic)



WXS-RAM/RDAM

Battery-operated panoramic detector

WXS-RAM: 12m/180° battery-operated PIR with anti-masking
 WXS-RDAM: 12m/180° battery-operated PIR/MW with anti-masking

Features

- Individual detection area and sensitivity setting (right/left)
- Adaptive IR digital anti-masking
- Selectable mounting height (0.8-1.2 m or 2 m)
- Double conductive shielding to filter sunlight and RFI/EMI
- Temperature compensation and detection algorithm (SMDA logic)



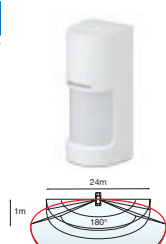
WXI-ST/AM

Panoramic outdoor detector

WXI-ST: 12m/180° PIR standard model
 WXI-AM: 12m/180° PIR with anti-masking

Features

- Individual detection area and sensitivity setting (right/left)
- Active IR digital anti-masking (WXI-AM)
- Double conductive shielding to filter sunlight and RFI/EMI
- Temperature compensation and detection algorithm (SMDA logic)



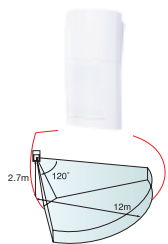
WXI-R/RAM

Battery-operated panoramic detector

WXI-R: 12m/180° battery-operated PIR
 WXI-RAM: 12m/180° battery-operated PIR with anti-mask

Features

- Individual detection area and sensitivity setting (right/left)
- Adaptive IR digital anti-masking (WXI-RAM)
- Double conductive shielding to filter sunlight and RFI/EMI
- Temperature compensation and detection algorithm (SMDA logic)



QXI-ST/DT

Wide angle outdoor detector

QXI-ST: 12m/ 120° PIR standard model
 QXI-DT: 12m/ 120° PIR/MW with anti-blocking

Features

- Selectable mounting height (0.8-1.2 m or 2.2- 2.7 m)
- Anti-blocking (QXI-DT)
- Double conductive shielding to filter sunlight and RFI/EMI
- Temperature compensation and detection algorithm (SMDA logic)
- Selectable detection patterns



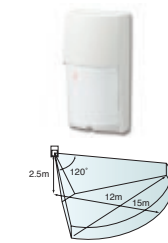
QXI-R/RDT

Battery-operated wide angle detector

QXI-R: 12m/ 120° battery-operated PIR
 QXI-RDT: 12m/ 120° battery-operated PIR/MW

Features

- Selectable mounting height (0.8-1.2 m or 2.2-2.7 m)
- Double conductive shielding to filter sunlight and RFI/EMI
- Temperature compensation and detection algorithm (SMDA logic)
- Selectable detection patterns



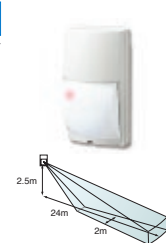
LX-402

Weatherized outdoor detector

LX-402: Wide detection range model 12 x 15m 120°

Features

- Selectable detection patterns (pet alley or multi-level)
- Sensitivity selection switch (high, mid and low)
- Day and night mode
- Mounting height (1.2-1.5 m or 2.5 m)
- Note: small animal tolerance only in low mount.



LX-802N

Weatherized outdoor detector

LX-802: Long detection range model 24 x 2m

Features

- Selectable detection patterns (pet alley or multi-level)
- Sensitivity selection switch (high, mid and low)
- Day and night mode
- Mounting height (1.2-1.5 m or 2.5 m)
- Note: small animal tolerance only in low mount.



HX-40/40AM/40DAM

High mount outdoor detector

HX-40: 12m/85° PIR standard model
 HX-40AM: Anti-masking model
 HX-40DAM: PIR/MW model with anti-masking

Features

- Mounting height: 2.5 to 3m
- Intelligent AND detection logic
- Active IR digital anti-masking (HX-40AM/40DAM)



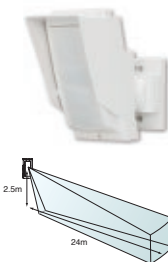
HX-40RAM

Battery-operated high mount outdoor detector

HX-40RAM: 12m/85° battery-operated PIR with anti-masking

Features

- Mounting height: 2.5-3m
- Intelligent AND detection logic
- Active IR digital anti-masking



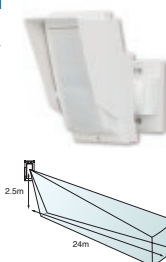
HX-80N/80NAM

High mount outdoor detector, long and narrow range

HX-80N: 24m/narrow standard model
 HX-80NAM: Anti-masking model

Features

- Mounting height: 2.5 to 3m
- Intelligent AND detection logic
- Active IR digital anti-masking (HX-80NAM)



HX-80N RAM

Battery-operated high mount outdoor detector, long and narrow range

HX-80N RAM – 24m/narrow battery-operated PIR with anti-masking

Features

- Mounting height: 2.5 to 3m
- Intelligent AND detection logic
- Active IR digital anti-masking



Third line of defense: Protects the immediate boundary of the building



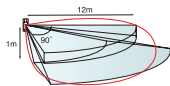
VXS-AM/DAM (W)

Wide angle outdoor detector

VXS-AM: 12m/90° PIR with anti-masking
VXS-DAM: 12m/ 90° PIR/MW with anti-masking

Features

- One touch opening cover
- Automatic walk test mode
- Double conductive shielding to filter sunlight and RF/EMI
- Temperature compensation and detection algorithm (SMDA logic)



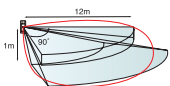
VXS-RAM/RDAM (W)

Battery operated outdoor detector

VXS-RAM: Battery operated with anti-masking model
VXS-RDAM: 12m/90° battery-operated PIR/MW with anti-masking

Features

- One touch opening cover
- Automatic walk test mode
- Double conductive shielding to filter sunlight and RF/EMI
- Temperature compensation and detection algorithm (SMDA logic)



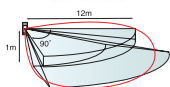
VXI-ST/AM/DAM

Multi dimensional outdoor detector

VXI-ST: 12m/90° PIR standard model
VXI-AM: 12m/90° PIR with anti-masking
VXI-DAM: 12m/90° PIR/MW with anti-masking

Features

- Temperature compensation and detection algorithm (SMDA logic)
- Easy masking for over spill prevention
- Double conductive shielding to filter sunlight and RF/EMI
- Active IR digital anti-masking (VXI-AM/VXI-DAM)



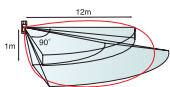
VXI-R/RAM/RDAM

Battery-operated outdoor detector

VXI-R: 12m/90° battery operated PIR standard model
VXI-RAM: 12m/90° battery-operated PIR with anti-masking
VXI-RDAM: 12m/90° battery-operated PIR/MW with anti-masking

Features

- Temperature compensation and detection algorithm (SMDA logic)
- Easy masking for over spill prevention
- Double conductive shielding to filter sunlight and RF/EMI
- Active IR digital anti-masking (VXI-AM/VXI-DAM)
- Tough MW module (VXI-RDAM)



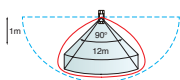
VXI-ST/AM/DAM CMOD Kit

Outdoor detector with camera

VXI-ST/CMOD: 12m/ 90° standard model with camera
VXI-AM/CMOD: anti-masking model with camera
VXI-DAM/CMOD: Dual-technology model with antimasking and camera

Features

- 90-degree detection and 180-degree camera view
- Temperature compensation and detection algorithm (SMDA logic)
- Visual verification through the OPTEX Vision App
- Active IR digital anti-masking (VXI-AM/VXI-DAM)
- WiFi full HD videocamera with night vision
- Pre and post alarm recording (2 seconds pre-alarm / 28 seconds post-alarm)



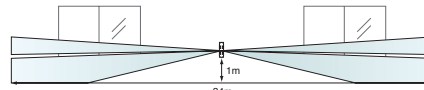
BXS-ST/AM (W)

Boundary outdoor detector

BXS-ST: 12m on each side standard model
BXS-AM: Anti-masking model

Features

- 4 PIR technology
- Active IR digital anti-masking (BXS-AM)
- Individual detection area and sensitivity setting (Right/Left)
- Extreme high detection mode
- Double conductive shielding to filter sunlight and RF/EMI
- Temperature compensation and detection algorithm (SMDA logic)



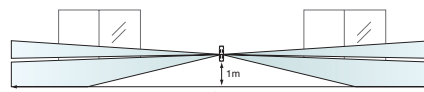
BXS-R/RAM (W)

Battery-operated boundary outdoor detector

BXS-R: 12m on each side battery-operated model
BXS-RAM: battery-operated model with anti-masking

Features

- 4 PIR technology
- Active IR digital anti-masking (BXS-RAM)
- Individual detection area and sensitivity setting (Right/Left)
- Extreme high detection mode
- Double conductive shielding to filter sunlight and RF/EMI
- Temperature compensation and detection algorithm (SMDA logic)



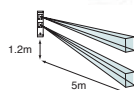
FTN-ST/AM

Compact outdoor detector

FTN-ST: 2PIRs standard model
FTN-AM: Active IR digital anti-masking model

Features

- Intelligent AND detection logic
- Built in bracket (190° horizontal)
- 5m/2m switchable lens
- Double conductive shielding to filter sunlight and RF/EMI
- Temperature compensation and detection algorithm (SMDA logic)



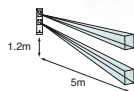
FTN-R/RAM/R-PT

Battery-operated compact outdoor detector

FTN-R: Battery-operated model
FTN-RAM: battery-operated model with anti-masking
FTN-R-PT: includes larger back box for easier installation

Features

- Long battery life
- 5m/2m switchable lens
- Multi fixing separate box for wireless transmitter
- Double conductive shielding to filter sunlight and RF/EMI
- Temperature compensation and detection algorithm (SMDA logic)



BX-100PLUS

Photoelectric detector for building perimeter

Detection range: 30m

Features

- Dual IR pulsed beam system
- Internal sounder
- N.O. and N.C. relay output
- Attractive and slender design
- Easy alignment with visual and audible indicator



Optional accessories

BH-01



Battery holder for:

- WXS-R/RDAM
- WXI-R/RAM

BXS Back box



White/ Silver/ Black back box for:

- BXS-ST/AM/R/RAM

BXS Back box cap



White/ Silver/ Black back box cap for:

- BXS-R/RAM

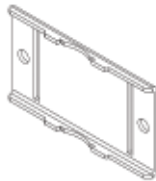
BXS Face cover



White/ Silver/ Black face cover for:

- BXS-ST/AM/R/RAM

BXS Pole mount plate



Metal band: 23mm or less in width

For:

- BXS-ST/AM/R/RAM

CA-1W (W)



Multi Angle wall-mount bracket for:

- QXI-ST/DT/R/RDT

CA-2C (W)



Ceiling mount bracket for:

- QXI-ST/DT/R/RDT

CMOD



Wireless HD camera module with 180 panoramic angle

For:

- VXI-ST/AM/DAM

MG-1



Vandal and Tamper Resistant Metal Guard for:

- BX-100PLUS

MKP-01



Area masking plate for:

- WXS-AM/DAM/R/RDAM
- WXI-ST/AM/R/RAM

PEU



Plug-in EOL for:

- WXS-AM/DAM
- WXI-ST/AM
- VXS-AM/DAM
- VXI-ST/AM/DAM
- BXS-ST/AM

PMP-01



Pole mount plate for:

- WXS-AM/DAM/R/RDAM
- WXI-ST/AM/R/RAM

RBB-01



Battery box for:

- VXI-R/RAM/RDAM
- VXS-RAM/RDAM
- BXS-R/RAM
- HX-40R/RAM/RDAM
- HX-80RAM

VXI-T-Bracket



***VXI-DAM and VXI-RDAM can not be used due to microwave interference.**

T-Bracket for:

- VXI-ST/AM/R/RAM

VXS Battery box



Black/ White battery box for:

- VXS-R/RAM

VXS Face cover



White/ Silver/ Black face cover for:

- VXS-ST/AM/R/RAM

VXS option cover unit



Black/ White cover unit for:

- VXS-ST/AM/R/RAM

WC-1



White decorative cover for:

- BX-100PLUS

WRS-02



Wall tamper for:

- VXI-ST/AM/DAM
- FTN-ST/AM

WRS-03



Wall tamper for:

- FTN-R/RAM
- FTN-ST/AM

WRS-04



Wall tamper for:

- VXI/RAM/RDAM

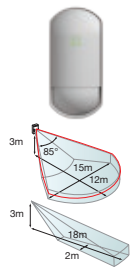
WXI-BB



Back box for adding wireless transmitter to:

- WXS-AM/DAM/R/RDAM
- WXI-ST/AM/R/RAM

Fourth line of defense: Protects building indoor and assets



FLX-S-ST/DT

80 zones

Grade 2 wide/narrow indoor detector

FLX-S-ST: 12m wide/ 18m narrow detection standard model
 FLX-S-DT: PIR/MW model

Features

- Flip lens for wide/narrow detection
- Advanced pyro with human-catch element
- Flexible mounting height 2 m - 3 m
- Temperature compensation and detection algorithm (SMDA logic)



FMX-ST/DT/SDT

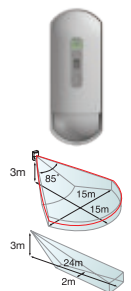
78 zones

Grade 2 wide indoor detector

FMX-ST: 15 m standard model
 FMX-DST: model with double conductive filter
 FMX-DT: 15 m PIR/MW model

Features

- Remote LED control
- Advanced temperature compensation logic
- Double conductive filter (FMX-DST)



FLX-A-AM/DAM

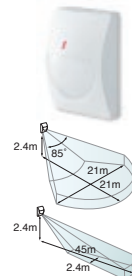
80 zones

Grade 3 wide/narrow indoor detector

FLX-A-AM: 15m wide/ 24m narrow detection PIR with anti-masking
 FLX-A-DAM: PIR/MW model with anti-masking

Features

- Flip lens for wide/narrow detection
- Advanced pyro with human-catch element
- Flexible mounting height 2 m - 3 m
- Active IR digital anti-masking
- Super-high detection mode
- Temperature compensation and detection algorithm (SMDA logic)



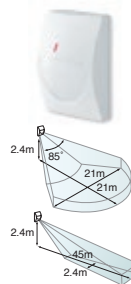
CX-702

68 zones

Long-range indoor PIR detector

Features

- Dual purpose lenses for wide/narrow detection
- Double conductive shielding
- Multi focus technology



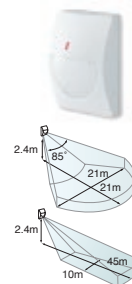
CX-702RS

68 zones

Battery-operated long-range PIR detector

Features

- Dual purpose lenses for wide/narrow detection
- Double conductive shielding
- Multi focus technology



CX-702MKII

136 zones

Grade 2 long-range indoor PIR detector

Features

- Dual purpose lenses for wide/narrow detection
- Double conductive shielding
- Multi focus technology



SX-360

276 zones

Grade 2 Ceiling mount PIR detector 360-degree

Features

- Patented Multi-focus lens
- False alarm protection
- Area pattern adjustment/Zoom Function



FX-360

62 zones

Grade 2 Ceiling mount PIR detector 360-degree

Features

- False alarm protection
- Originally designed hard spherical lens
- Durable and compact design

Optional accessories

CA-2C

Multi Angle ceiling mount bracket for

- CX-702
- CX-702RS
- CX-702MKII

CA-1W

Multi Angle Wall Mount Bracket for

- CX-702
- CX-702RS
- CX-702MKII

CW-G2

Multi Angle Wall and Ceiling Mount Bracket

(EN-Grade II) for:

- FLX-S-ST/DT

CW-G3

Multi Angle Wall and Ceiling Mount Bracket

(EN-Grade III) for:

- FLX-A-AM/DAM

EOL resistor plug

Fixed Alarm / Trouble / Tamper resistance values used with popular panel manufacturers.

BA-70

Back cover for

- CX-702

FA-3

Multi Angle Wall/Ceiling Mount Bracket for

- FMX-ST/DT/SDT

OPTEX has been developing sensing technologies for over forty years and has been a pioneer in outdoor intrusion detection. Today, OPTEX sensors are successfully deployed protecting millions of locations around the globe.

OPTEX has developed a system of enhanced detection to provide maximum security against unauthorised entry. This system creates a defence line incorporating three warning levels in the outside: PERIMETER PROTECTION, APPROACH PROTECTION and BOUNDARY PROTECTION, and is completed with INDOOR PROTECTION allowing to locate faster intruders and protect assets in the inside.



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