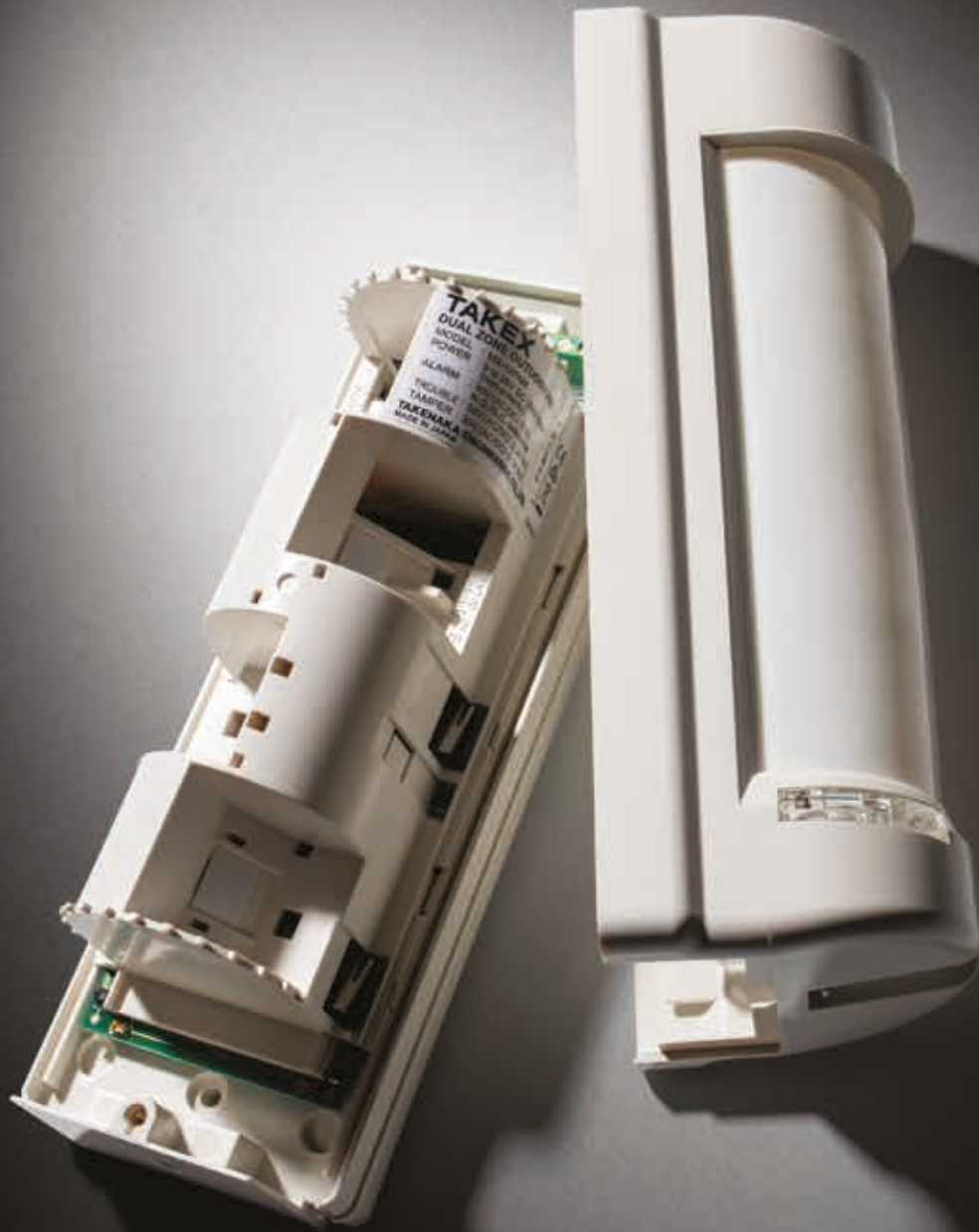


TAKEX



SECURITY SENSORS

TAKEX is a leading Japanese manufacturer of Security Sensors, specialising in Active Infrared Beams for Perimeter Protection, and Outdoor PIR for CCTV activation and Intruder Detection. With more than 50 years of engineering experience, we are proud to be specified at the highest level of Royal, Government and Military organisations worldwide.

ACCESS CONTROL

Request to Exit sensor suitable for wall or ceiling mounting.



PS-520

REX Sensor

- Single or Double Door
- Fail Safe or Fail Secure
- Two Form "C" Relays
- 12/24V AC/DC



DA-303

Door Sensor

- Single or Double Door
- Near infrared beam type
- Slim & compact 28mm profile
- Suitable for AC/DC operation

INDOOR PIR

The PA-6800 series ceiling mount PIR sensors combine a discreet compact appearance with outstanding performance at a low price. The sensor can be snapped in and out of its base unit for easy installation.

PA-6805E	PA-6810E	PA-6812E	PA-6820E
4m spot	15m x 360°	12m wide-angle	20m vertical curtain



- ceiling mount design
- 2m to 4.9m installation height
- detachable base unit with snap-in-out sensor design
- pulse count and sensitivity adjustable
- geared mirror array for precise area definition (PA-6812E/6820E)
- black versions are available (PA-6810BL & PA-6812BL)

PA-6412PI	PA-6612	PA-6614
12m wide angle	12m wide angle	14m wide angle



- ceiling mount design / 18kg pet immunity
- installation height up to 4m (PA-6412PI & PA-6612), up to 6m (PA-6614)
- detachable base unit with snap-in-out sensor design
- pulse count and sensitivity adjustable
- black versions are available (PA-6614BL)

PA-470L	PA-480S
16m wide angle	8m X 180°



- wall mount design
- 16m wide angle / 20m vertical curtain (PA-470L)
- quad element with fuzzy logic processing system (PA-470L)
- twin element with pulse count (PA-480S)
- low voltage trouble output
- alarm memory function

PA-4810	PA-4820
12m wide angle	25m vertical curtain



- wall mount design
- mirror optics
- quad element with fuzzy logic processing system
- slight motion detection with selectable twin/quad sensing
- low voltage trouble output
- alarm memory function

HIGH-MOUNT PIR

The outdoor rated high-performance PIR-T sensor family offers the ultimate in detection versatility. Precision triple mirror optics and intelligent signal processing ensures reliable and accurate detection.



PIR-T15AM	PIR-T40NAM
15m anti-masking	40m anti-masking

- 4 selectable operation modes:
- 2 to 6m installation height (by operation mode)
- high-performance triple mirror optical system
- precise detection area adjustment using on-mirror LED's
- anti-masking function
- lightning surge protection
- IP55 housing

PA-15WE	PA-30NE
15m wide angle	30m long range



- omni-directional bracket
- can be mounted to ceiling, wall or pole
- easy angle adjustment
- weather resistance for indoor or outdoor use

LONG-RANGE PIR

Outdoor rated mirror optic wide angle and long range PIR performance in a robust AES resin housing. Suitable for mounting up to 3.5m and can be mounted on CCTV camera bracket with option mount.



PIR-30WE

up to 30m

- quad pyro element
- mirror optics
- sensitivity adjustment
- N.O. / N.C. selectable relay

PIR-50NE

up to 50m

DUAL-ZONE PIR

Our outdoor rated dual-zone PIR's combine a horizontal and downward curtain requiring simultaneous activation for alarm. With up to 12m x 180° range these sensors are perfect for use in both domestic and industrial applications.



MS-12TE

up to 12m x 90°

- dual-zone detection system
- rotating sensor heads (±90° horizontal adjustment)
- selectable N.O. / N.C. relay output with 2 sec. to 5min. timer function
- AND/OR detection modes (MS-12FE only)
- IP54 housing

MS-12FE

up to 12m x 180°

TX-114SR

up to 12m x 90°

TX-114TR

up to 12m x 90°

TX-114FR

up to 12m x 180°

as MS-12TE/FE, plus:

- powered by 3V to 9VDC alkaline or lithium battery
- compatible with numerous wireless transmitter units
- back box with back-tamper (TX-114TR/FR only)

MX-12FAMD includes a sophisticated anti-masking system designed to expose any attempt to defeat the sensor by obstruction.

MX-12FAMD

up to 12m x 180°

- microwave/PIR combination unit
- dual-zone detection system
- dual alarm signal outputs
- anti-masking technology with near-lens awareness
- front and back tamper
- stowable area masks

ATTENTION SENSORS

Use to provide welcome messages, protect emergency doors, deter intruders, or to trigger warning messages.



AV-100E

N/O input to trigger

- record a message (up to 12 secs.) using built-in microphone
- omni-directional bracket
- memory back-up for 20 days without power
- horn speaker type 100dB/1m (max)

PV-12E

integrated 12m PIR

PVW-12TE

integrated 12m PIR

- 12m x 90 degree pattern
- recordable message
- variable volume up to 80db
- small animal immunity

FLAME SENSORS

Designed for use as supervisory notification devices, our Ultra-Violet (UV) flame sensors are practical where smoke detection is not an option, such as diesel engine rooms and open environments.



FS-1000E

built-in sounder

FS-2000E

built-in sounder

FS-3500E

pre-recorded message

- high sensitivity ultraviolet flame sensor
- up to 10m detection of 7cm flame
- adjustable detection area (FS-2000E only)
- battery or DC operation (FS-1000E & FS-3500E only)
- N.O. / N.C. relay output

**FS-5000E**

indoor/outdoor

- high sensitivity ultraviolet flame sensor
- up to 10m detection of 7cm flame
- omni-directional bracket for detection area adjustment
- N.O. / N.C. relay output
- adjustable response time

**FP-2500E**

integrated 10m PIR

- combination UV flame sensor + PIR with pet immunity
- up to 10m detection of 7cm flame
- AND/OR detection modes
- dual output with forced alarm during sustained flame

TWIN BEAMS

Featuring our patented 'double modulation' technology for unsurpassed immunity to sunlight and artificial light sources, Twin Beams are ideal for protecting windows, doors, fence lines, entrances, and driveways.

**PB-30TK**

up to 30m

PB-60TK

up to 60m

PB-100TK

up to 100m

- 2 x synchronized high power beams
- double modulation for unsurpassed light immunity
- auto-gain control (AGC)
- 50,000 lux sunlight immunity
- IP55 housing

PB-20TE

up to 20m

PB-40TE

up to 40m

PB-60TE

up to 60m

as PB-30TK/60TK/100TK, plus:

- 4 selectable beam channels to prevent crosstalk
- vivid internal body stickers aid beam alignment procedure

QUAD BEAMS

The professional choice in outdoor protection, our Quad Beam detectors synchronize sixteen beam paths for maximum stability in severe weather conditions, perfect for long range perimeter intruder detection.

**PB-50FA**

up to 50m

PB-100FA

up to 100m

PB-200FA

up to 200m

- 4 x synchronized high power beams
- double modulation for unsurpassed light immunity
- auto-gain control (AGC)
- 50,000 lux sunlight immunity
- IP55 housing

PB-IN-50HFA

up to 50m

PB-IN-100HFA

up to 100m

PB-IN-200HFA

up to 200m

as PB-50FA/100FA/200FA, plus:

- 4 selectable beam channels to prevent crosstalk
- environmental monitoring circuit
- vivid internal body stickers aid beam alignment procedure
- PB-50/100/200HFA-KH for TA series Beam Towers also available

PB-IN-100AT

up to 100m

as PB-IN-100HFA, plus:

- anti-crawl beam for high-security applications
- independent activation of upper or lower beams
- dual response time system
- PB-100AT-KH for TA series Beam Towers also available

**PXB-50HF**

up to 50m

PXB-100HF

up to 100m

PXB-200HF

up to 200m

as PXB-50F/100F/200F, plus:

- 4 selectable beam channels to prevent crosstalk
- environmental monitoring circuit
- PXB-50/100/200HF-KH for TA series Beam Towers also available

PXB-100ATC

up to 100m

as PXB-100HF, plus:

- independent control of upper and lower beams
- choose between synchro-quad and anti-crawl operation
- sync wire allows unlimited stacking without crosstalk
- PXB-100ATC-KH for TA series Beam Towers also available

BATTERY BEAM

Designed for compatibility with leading wireless systems, our Battery Beams are ideal for rapid deployment in creating temporary or permanent secure perimeter intruder systems.

**TXF-125E**

up to 100m

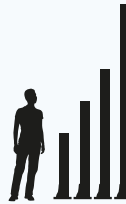
TXF-125DM

up to 100m

- 4 x synchronized high power beams
- 4 selectable operation ranges 25/50/75/100m
- 4 selectable beam channels to prevent crosstalk
- up to 5 year battery life using 2 x LS33600 (3.6V 17Ah) batteries per unit
- vivid internal colour aids beam alignment procedure
- ±90° horizontal ±20° vertical adjustable sensor heads
- environmental monitoring circuit
- IP65 housing
- TXF-125E-KH for TA series Beam Towers also available
- **TXF-125DM, double modulated version also available**

BEAM TOWERS

For additional security, or to disguise the number and position of beams from observers, our TA Series Beam Towers comprise of attractive but rugged floor or wall mounted units, with single and double-sided variants.

**TAS**

single sided

TAD

double sided

TAW

wall mounted

TA series Beam Towers for use with KH Beams

- available in 1m, 1.5m, 2m, and 3m heights (TA*100/150/200/300)
- anodized aluminium column
- tamper protected lid to prevent unauthorised interference
- vandal resistant polycarbonate covers

KH Beams are designed for use in TA series Beam Towers

REFLECTIVE BEAMS

For applications where a beam-break is desirable but running cable to both ends is impractical. Ideal for short-distance monitoring of entrances and exits, corridors, staircases, gateways, and driveways.

**PR-5B**

up to 5m indoor

- direct reflection system
- cable only to one end
- for indoor use

**PR-11BE**

up to 11m outdoor

as PR-5B, plus:

- beam direction can be rotated a full 180 degrees
- for indoor (up to 15m) and outdoor (up to 11m) use
- IP55 housing

The PR-30BE uses Time of Flight technology to measure both light reception level and timing, meaning no more lost alarms from highly reflective objects such as white vehicles. It provides the performance of a traditional point-to-point beam sensor with the single-ended convenience of a PIR detector.

**PR-30BE**

up to 30m outdoor

as PR-11BE, plus:

- Time of Flight technology to determine detecting distance
- measures light reception & timing for improved accuracy
- for indoor (up to 15m) and outdoor (up to 11m) use
- environmental monitoring circuit

MINIATURE BEAM

For covert/prestige applications including ATM machines, motor driven shutters, windows, and corridors.

**PB-10NS**

up to 10m indoor

- miniaturized control box for easy installation
- sensor cord can be cut to length as required
- supplied with flush mounting plates for sensor heads

FLASH & SIREN BEAM

**PBS-15T**

- 2 x synchronized high power beams
- flashing beacon and siren upon detection (RE only)
- 4 selectable beam channels to prevent crosstalk
- DAY/NIGHT sensing
- 90dB/1m max

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