DETECTION AREA

**SIDE VIEW** (Detection Distance by Positions)

- **Position 1**: Approx. 12m/40ft (Default)
- **Position 2**: Approx. 8.5m/27.9ft
- **Position 3**: Approx. 6.0m/19.7ft
- **Position 4**: Approx. 3.5m/11.5ft
- **Position 5**: Approx. 2.5m/8.2ft

The actual detection distance is dependent on the optical and environmental conditions.

**TOP VIEW** (Area diagram for D position)

**SPECIFICATIONS**

- **Model**: VXI-ST / VXI-RAM / VXI-DAM
- **Detection method**: Passive Infrared
- **Detection range**: 1m
- **Warm-up period**: Approx. 60 sec. (LED blinks)
- **Power input**: 12 - 2.5 V / 4 - 1.2 mA
- **Trouble output**: N.C. / N.O. Selectable-Solid State Switch 10 V DC 0.01 A (max)
- **Sensitivity**: 48 μA (standby) / 4 mA (max)
- **Temperature range**: -20 – +60°C (-4 – +140°F)
- **Protection**: IP55

**OPTIONS**

- **VXI-T-Bracket**
  - VXI-DAM and VXI-RDAM can be used with microwave interference.
- **Battery Box (BBB-01)**
  - Battery included: CR1/2 x 3 (3.6 VDC) 1/2 AA x 6 (7.2 VDC x 3)

**DIMENSIONS**

- **Wireless in back box (VXI-ST / AM / DAM)**
- **With a back box (VXI-R / RAM / RDAM)**

**A WORLD LEADING OUTDOOR DETECTOR**

- Flexible Detection Patterns
- Expanded Features in a Down-sized Body
- Digitally Enhanced Reliability

**WIRED MODEL**

- VXI-ST: 12m wide 2PIRs standard
- VXI-AM: Anti-masking
- VXI-DAM: 2PIRs with Microwave

**BATTERY OPERATED MODEL**

- VXI-R: Battery operated 12m 2PIRs
- VXI-RAM: Battery operated Anti-masking
- VXI-RDAM: Battery operated 2PIRs with Microwave
Re-defining the Standard: VX-Infinity has 6 models to choose from, including RDAM with innovative low current microwave technology.

**PIR DETECTOR**
VXI-ST (Wired model)  
VXI-R (Battery operated model)
Building upon features inherited from the VX-40 series, VX Infinity presents infinite possibility with the power of digital processing. VXI-ST/R demonstrates a long & stable performance in typical outdoor environment.

**PIR DETECTOR with ANTI-MASKING**
VXI-AM (Wired model)  
VXI-RAM (Battery operated model)  
Active IR Anti-masking detects covering objects on lens surface when monitoring of the detector status is required.

**PIR and MICROWAVE DETECTOR with ANTI-MASKING**
VXI-DAM (Wired model)  
VXI-RDAM (Battery operated model)  
Integrated algorithm of both PIR and Microwave provides the ultimate stability in detection performance. In a field where strong sun hits the land or facing direct light beams from traffic, DAM/RDAM offers higher false alarm immunity.

**Flexible Detection Patterns**
Optional 180 degree arrangement.  
To cover a wider field, optional T-Bracket enables two VXI detectors join to form a single detection zone.

**5 types of pre-cut masking seals included for area configurations**
Optimal different detection pattern can be configured by a quick application of an assigned masking seal onto the VXI lens.

**Expanded Features in a Down-sized Body**
VXI reduced its profile size and increased its aesthetic appeal to be adapted at various installation sites.

**Wireless Ready**
A wireless transmitter of your choice can be accommodated in VXI/RAM/RDAM models. These models consume minute electrical current from a battery. Optional battery box (RBB-01) can expand the battery capacity to prolong an operation period. *As low as 9 micro amperage at a standby.

**EOL Module Socket**
Optional EOL(End of line) resistor modules are available.

**Infinity Housing**
IP55 Protection  
UV Resistant ASA Body

**Tough Mod 2™**
(for DAM and RDAM models)

**Scientifically Developed**
Digitally Enhanced Reliability

**Digital Double Layer Detection**
Both an upper and a lower detection areas must simultaneously be crossed to generate an alarm. The detections are independently analyzed so that a misleading coincidence of events can be filtered out. This technology virtually eliminates detections of smaller animals in the premises.

**SMDA logic**
(Super Multidimensional Analysis)
All VXI models are equipped with a digitally enhanced signal recognition logic called SMDA. SMDA improves immunity against various noise factors such as climate changes and vegetation sways. VXIs expands applicable fields and reliability beyond what VX-402 was capable.

**Versatile Mounting Plate**
VXI installation has become easier and versatile with a new mounting plate. Secure the plate on a wall and mount VXI. Alternatively, use a metal band with less than 25mm (Linch) width to secure the VXI onto any diameter of poles. Optional wall tamper modules are applicable to either type of installations.

**Flexible Detection Area Setting**
5 Levels of Detection Distance Adjustment  
8 Horizontal Area Positions

**Other Basic Common Features**
● Double Conductive Shielding  
● Area Defining Masking Seals  
● Sensitivity Adjustment Switch  
● Walk Test Mode LED  
● Cover Tamper