

## Technical Thermal Imager IRC 3000

### IRC 3000 series| IP Counter

The IRC3000 and IRC3010 are People Counting Devices with the imaging optics, sensor, signal processing and interfacing electronics all contained within a moulded plastic housing.

The unit is used in a downward looking manner, as the unit functions optically 'seeing' the heat emitted by people passing underneath as Infra-Red radiation, collected through a germanium lens with a 60° field of view.

The sensing area is a square on the floor whose width is approximately equal to the mounting height, for example, at 3.5m the unit 'sees' a 3.25 x 3.25m square on the floor. Mounting height ranges between 2.2m and 4.8m can be covered with the standard lens, whilst a 40° field of view version offers a mounting height range of 3.5 to 7.5m.

- Operation independent of ambient light
- Minimal set up
- User-Definable Count Lines & functionality
- Wide Opening Capability up to 8 units
- Built in data logging
- Direct IP Connectivity
- Web browser setup for local or remote Configuration
- Lower installation costs
- Low ongoing support costs

#### Technical specification

Count Lines:	2- Allowing for 'In' and 'Out' counts
Detection Speed Range:	0.5ms-1 – 3ms-1
Dimensions:	111mm diameter x 70mm deep
Field of View:	60°
Housing:	White ABS
Mounting:	4 fixing holes in base
Mounting Height Range (m):	2.2m - 4.8m
Operating Temperature:	0°C to + 40°C (Non-condensing)
Power Supply Voltage:	10-28V
Ripple:	<2Vpk-pk within supply range
Storage Temperature:	-10°C to + 50°C
Temperature Sensitivity:	< 2.0K
Typical Supply Current:	24V - IP 80mA, Can Node 50mA   12V - IP 160mA, Can Node 80mA
Unlock Method:	The front part of the Unit is removable from the base in a twist and pull action
Weight:	0.2kg
Width of Field of View (m):	1.8m - 4.3m