



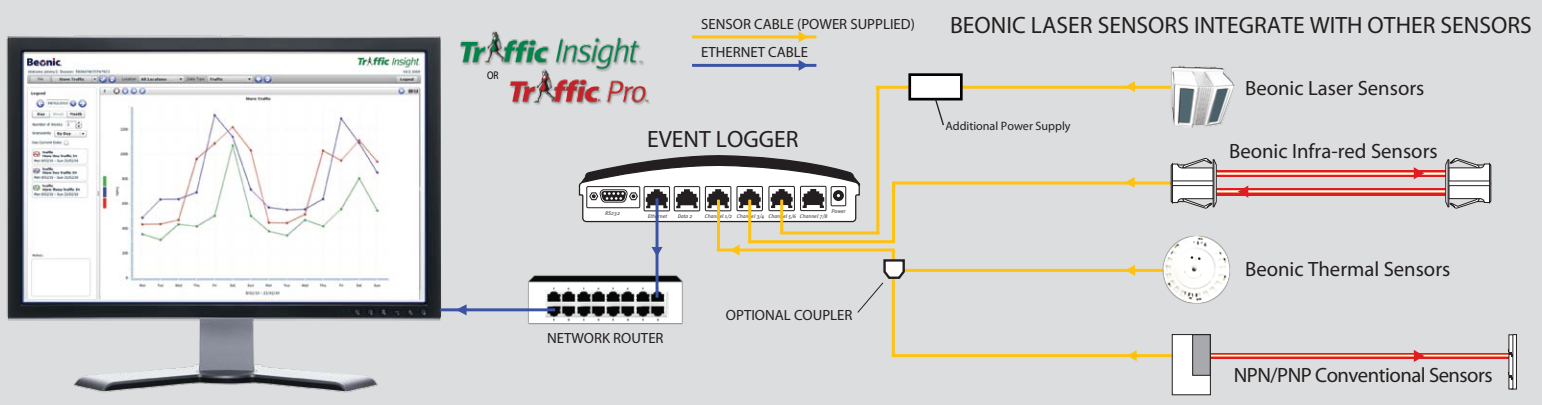
The **Beonic Laser Sensor** is a state-of-the-art people counter for the most demanding, high volume scenarios.

Each **Beonic Laser Sensor** has been manufactured to meet today's standards of high quality, reliability and safety. This unique device can be used to accurately count and record large volumes of people from a discreet distance.

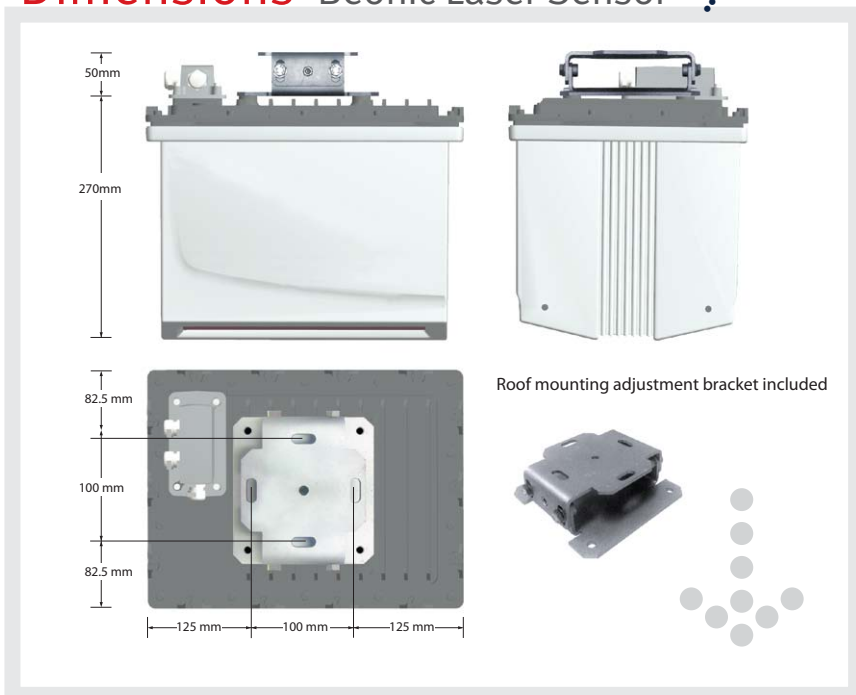
Though inconspicuous, the **Beonic Laser Sensor** can be found in some of Australia's busiest public areas.

The **Beonic Laser Sensor** works in conjunction with the Beonic Event Logger to collate data from a range of different sensors.

## How do the Beonic Laser Sensors connect?



## Dimensions Beonic Laser Sensor



## Specifications Beonic Laser Sensor

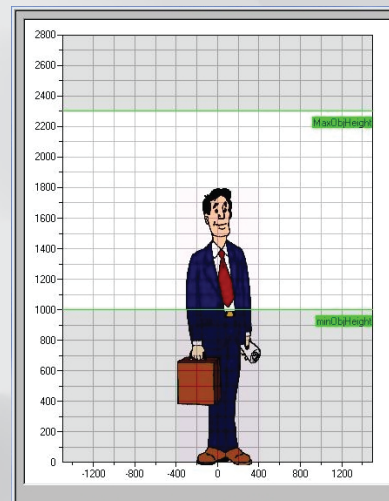
Optics	Coaxial transmitter and receiver optics, avalanche photo diode
Mounting Height	2.5 m - 15 m (8.2 ft - 49.2 ft), depends on type
Passage Width	1 m - 26 m (3.3 ft - 85.3 ft)
Speed of Passage	Max. 2.4 m/s (7.9 ft/s)
Scanning / Pulse Frequency	10 Hz ± 5 % / 8 kHz ± 5 %
Scanning Angle	90°
Laser Diode (wavelength)	Invisible Infrared light ( $\lambda = 905 \text{ nm}$ )
Laser Class	Class 1 (to DIN EN 60825-1), invisible and eye safe
Enclosure Rating	IP 67 Aluminium Baseplate, Dome PUR-IHS
EMC Tested	EN 61000-6-3(2001-10) / EN 61000-6-1 (2001-10)
RS 422 Data Interface	Serial 19,200 Bd transfer rate
Power	When switched on: max. 36 W (1.5 A) at 24 V DC Typical Operation: 12 W (0.5 A) at 24 V DC Dehumidifier/Heater + 140 W when on
Switching Outputs:	2 x (Count IN, Count OUT) – Semi-conductor, not short-circuit proof, highside, max. output current 0.5 A at 24 V DC – 20 ms/20 ms interval per person, max. count rate 25 persons/s each direction
Weight	Approx. 8.5 kg (18.74 lb)
Operating/Storage Temperature	0° to +40° C / -20° to +80° C (+32° F to +104° F / -4° F to +176° F)
Maximum Relative Humidity	100 %
Dimensions	350 mm x 265 mm x 320 mm

## Beonic Laser Sensor Features

- Represents the cutting edge of sensor technology
- Simultaneous bi-directional counting
- Highly accurate indoors and outdoors
- High mounting heights possible (up to 15m)
- All Weather Proof (IP 67, 0° to +40° C)
- Easily maintained and safe against vandalism
- Large passage widths possible (up to 25m)
- Built in Sensor Alignment
- Integrates with Beonic Event Loggers and Software
- Low power consumption

## Configured for Accuracy

By configuring the height at which the laser scans it becomes possible to eliminate most shopping trolleys, large suitcases and other false positives. This technique yields superior results when dealing with closely packed crowds of people.



Your Beonic Reseller:

**PEOPLE COUNTING SYSTEMS**

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