

Gazelle Dualview People Counter

IP enabled thermal detection and
video people counter.



Accurate and repeatable people counting solution, to deliver reliable and accurate performance analytics, to help identify and manage congestion, passenger flow and much more.

Designed-for-purpose thermal detection people counting device with optics, sensor, signal processing and interfacing electronics all contained within a custom housing. The people counter offers tried and tested infrared people technology for a range of applications, with built-in optical camera for validation and audit purposes.

Powered by infrared technology and using body heat to track the presence and direction of movement, the Gazelle DualView has a proven reliability of over 98%, and can generate valuable analytical data for end users.

The counter is used in a downward looking configuration and functions by detecting the heat emitted by people passing underneath, using this information to track and count people.

It offers absolute verification capability provided by video feed, combined over a single IP channel. This added video capability provides a live, real-time image of a scene, allowing a counter to be configured locally or remotely, with a high degree of certainty and accuracy.

Extreme stability in all lighting and temperature conditions, including, low light conditions, glare and shadow.

With low power consumption and the ability to carry out validation, audits and diagnostics remotely, it saves on expensive on-site surveys to keep systems running. The thermal detectors are also resistant to the everyday build-up of dirt and dust, so maintenance requirements are minimized. Thermal sensing technology preserves the anonymity of those that it counts, as no individual can be identified, while still delivering world-class analytics.

The data is transmitted in real-time, via Ethernet or mobile broadband, to a secure data warehouse. At network connection loss, data caching is enabled.

The data is analysed and presented in BLIP Systems web-based user interface, with graphs and dashboard views. The data can be displayed overlaid, for a complete view of the situation, with a rapid understanding of analysis and performance. The data can be easily be integrated with existing management systems through various data outputs.

The solution is offered as a hosted solution, which eliminates the need for server installation and maintenance, virus protection, backup and software upgrades.

Two mounting options: Aesthetic and unobtrusive bulkhead mounting, with IP cable entries hidden from view or fully recessed design for true in-ceiling mounting.

Sensor Specifications

Item Number:

X-IRCS716-MW (60°)
X-IRCS739-MW (90°)

Mounting Kits Number:

Surface - X-IWC500B / X-IWC500W
Recessed - X-IW510B / X-IWC510W

Exterior Description

- Size: 190 x 111 x 63 mm
- Weight: 300 g
- Color: White or Black PC-ABS

Operating Temperatures

- 0°C to +40°C (Storage: Max: +50°C / Min: -10°C)

Range (Height - Thermal detection - Video detection)

- 90° Field of View (2.5-4.5 - 3.1-6.1 - 4.6-11.7)
- 60° Field of View (2.2-4.8 - 1.9-4.5 - 5.4-14.3)*
- 40° Field of View (3.5-7.5 - 2.0-4.4 - 9.8-23.5)

* Allows video view of equivalent size from up to three thermal views (one dual view unit and a node unit either side)

Detection Speed Range

- 0.5ms⁻¹ - 3ms⁻¹

IP Interface Specification

- Standard RJ45 socket are provided on the rear of the unit for structured cable (CAT5) connection.
- IPv4, IPv6 compatible
- IP address: Fixed or via DHCP
- IP protocols supported: HTTPS unit configuration, web services interface for data download and configuration
- SFTP: for video and data download
- Certificate: capability to upload customer supplied certificate is provided.

Video

- Video view provides 12fps at native resolution of 160 x 120

Power Supply Requirements

- 12 - 28V or PoE
- <2Vpk-pk within supply range
- 24V 12V - 80mA 160mA