

Gazelle Series

Professional People Counting Devices

• • • • Product Information

Gazelle Series	
••••••••••	• • • • • • • • • • • •



IP enabled thermal detection and video people counters

All the benefits of thermal technology in a range of devices which combine form and function, with a host of features, outstanding performance and low cost of ownership.

The **Gazelle™** series comprises:

Gazelle DualView™

Designed-for-purpose thermal detection people counting device with optics, sensor, signal processing and interfacing electronics all contained within a custom housing. 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.

The **Gazelle DualView** device features a video camera within the housing. The video camera is capable of viewing a '3 counter wide' area on the floor, with one video equipped unit providing coverage for up to three thermal only units.

The sensing area of the detector is a square on the floor, with width approximately equal to mounting height (e.g. when mounted at $3.5m \ a \ 60^\circ$ unit 'sees' a $3.25 \ x \ 3.25m$ square on the floor).

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.

Gazelle IP

Gazelle IP offers exactly the same features as the Gazelle DualView device, but without the video camera.

Both the devices have a robust and secure, highperformance IP capability allowing remote configuration and data collection over IP infrastructure, either over an instore LAN, or for worldwide access from remote locations over the internet.

Gazelle IP Node

When used in conjunction with the **Gazelle DualView** or **Gazelle IP** master devices, the **Gazelle Node** offers the unique **WideTracker™**, wide-opening counting capability, allowing accurate counting over an extended area.

Overview of Gazelle series

Low profile design, with a choice of casing and mounting options:

Aesthetic and unobtrusive bulkhead mounting, with IP cable entries hidden from view:

- Simple removable front cover for painting or custom colouring
- User configurable area for the addition of badges or logos
- Engineering drawings available for custom cover design

Fully recessed design for true in-ceiling mounting:

- Simple front plate for painting or custom colouring
- Exceptionally discreet
- Internal basic module for utility mounting situations
- 60° and 40° lens options available for use over a wide range of mounting heights 60° (2.3 - 4.5m) and 40° (4.3 - 7.5m).

Secure and universal IP applications:

- Full Power over Ethernet (PoE) capability
- Single IP address for data collection and configuration
- Secure SSL IP protocol
- Push data configuration to output data from within enduser firewalls
- Full proxy-server support capability
- FTP and e-mail data delivery options
- Full range of APIs for development (Java, .NET, Win32, Linux)
- Robust, flexible and powerful IP infrastructure.

Gazelle series key features include:

- Built-in data log with time stamped and variable time periods
- Non-volatile setting storage
- User-definable count lines
- Web-browser set-up tool for remote configuration

- WideTracker capability for up to 8 units, allowing for effective coverage of entrance up to 34m wide (with added Gazelle node)
- Built in relays for data input and output functions (2 input, 2 output)
- 16 count lines and 32 count registers for multidirectional counting
- Advanced count line logic for embedded, advanced analytics
- High flexibility in mounting height from 2.3 to 7.5m.

Additional Gazelle DualView features include:

- Integrated video camera
- Visual auditing and configuration for wide-opening with up to 3 linked units
- Simultaneous video and thermal target view for configuration and count accuracy determination.

Gazelle series key benefits include:

- Operation independent of ambient light
- Minimal set up
- Full remote configuration capability
- Lowered installation costs
- Lower ongoing support costs; minimal return visit requirement and industry-leading low cost of ownership
- Highly accurate, verifiable counting performance
- Robust and accurate counting algorithms
- Advanced behaviour analysis
- Flexible configuration for wide range of applications
- Seamless tracking across wide openings and spaces.

Additional Gazelle DualView benefits include:

- Simultaneous video and thermal target view for configuration and count accuracy determination
- Remote verification capability
- High-speed video download.



The **Gazelle** series is accompanied by a suite of modular software tools, to remotely support and maintain **Gazelle** devices, as single units or as part of a worldwide estate. This suite includes a:

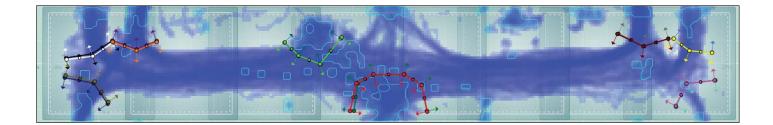
- Secure People Counter Set-up and Configuration Tool, allowing video and thermal views to be observed simultaneously
- Professional Validation Tool to support remote validation and audit of people counting performance
- Estate Manager[™] tool for users to manage an estate of Gozelle devices via a centrally located, unified framework for task scheduling, video file download and management, error and diagnostic reporting, device configuration and firmware upgrading
- Harvester[™] data tool to collect people counting data from Gozelle units to a central database.

The devices and software combine to form the **Gazelle** Intelligent Analytics Solution, providing an unmatched people counting solution to deliver reliable and accurate performance analytics.

Gazelle Series



Linking multiple people counters to give an accurate count over wide openings, **WideTracker** is a unique feature which can be accessed via the **People Counter Set-Up Tool (PCST)** and comes as standard with each device.



This image shows a network of 8 counters creating a continuous field of view, covering approximately 13m on the ground. This combination requires one **Gazelle** master unit, plus seven node devices; configuration of the wide-opening system is via one connection to the **Gazelle** master device.

Path mapping, counting lines and initialisation zones

- Path mapping: The blue pattern in the foreground shows the paths of movement of people, within the scene. The darker the colour, the more people have moved in that direction, along that part of the path. Provides an immediate, visual reference to where counting lines should be positioned for optimum counting accuracy.
- Counting lines: Sixteen counting lines are visible in the view. Generally used in pairs, one line counts 'in' and the other counts 'out', although they operate independently. Each counting line is associated with a direction, indicated by the arrow attached to the line.
- Initialisation zones: The light-blue contours visible around the wide area, indicate where people begin to be counted. They highlight regions where it is inadvisable to place counting lines.

Path mapping and initialization zones aid installation by showing where counting lines should be positioned for best accuracy, whether on-site or via remote configuration.

Count line logic

Count line logic is an advanced function, allowing counts to be incremented based on combinations of count line activity. Examples of this include: sequential (crossing one line then another), summation (addition of counts from one line to another) and alternative (crossing either of two lines).



Gazelle DualView & IP - Technical Specification

.

Coverage Pattern The mounting height determines the maximum coverage area available, as shown below. Height Options Height Range (m) Field of View (m) Field of View (m) 60° Field of View 2.2 - 4.5 1.8 - 2.5 4.6 - 11.7* 40° Field of View 3.5 - 7.5 1.8 - 4.3 8.2-19.1* *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 Temperature Sensitivity < 2.0K Count Lines and Registers Count lines can be set to count in both directions (e.g. 'in' and 'out'). Up to 16 count lines and 32 registers can be implemented in any device or wide opening network, allowing for bi-directional counting in up to 8 directions. A register holds count values derived from people crossing count lines. The additional registers can be used in association with the advanced count line logic to provide additional information outputs. The lines may be user-configured in a number of ways. 1. User Configurable The count lines are user configured by a drag and drop mechanism. Both line position and shape may be modified. 2. Count Direction People are counted when they cross the count lines. Different 'count modes' are available, including: a. Count increment when person crosses line 3. Count Modes Various count modes are available, including: a. Count increment when person crosses line <th>Technical specifications:</th> <th></th>	Technical specifications:	
maximum coverage area available, as shown below. Height Options Height Range (m) Field of View (m) Field of View (m) 60° Field of View 2.2 - 4.5 1.8 - 2.5 4.6 - 11.7* 40° Field of View 3.5 - 7.5 1.8 - 4.3 8.2-19.1* *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 Temperature Sensitivity < 2.0K	Coverage Pattern	The mounting height determines the
shown below. Height Options Height Range (m) Field of View (m) Field of View (m) 60° Field of View 2.2 - 4.5 1.8 - 2.5 4.6 - 11.7* 40° Field of View 3.5 - 7.5 1.8 - 4.3 8.2-19.1* *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 Temperature Sensitivity < 2.0K		maximum coverage area available, as
60° Field of View 2.2 - 4.5 1.8 - 2.5 4.6 - 11.7' 40° Field of View 3.5 - 7.5 1.8 - 4.3 8.2-19.1* *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 Temperature Sensitivity < 2.0K		
40° Field of View 3.5 - 7.5 1.8 - 4.3 8.2-19.1* *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 Temperature Sensitivity < 2.0K	Height Options	Height Range (m) Field of View (m) Field of View (m)
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 Temperature Sensitivity < 2.0K	60° Field of View	2.2 - 4.5 1.8 - 2.5 4.6 - 11.7
from up to three thermal views (one dual view unit and a node unit either side). Detection Speed Range 0.5ms ⁻¹ – 3ms ⁻¹ Temperature Sensitivity < 2.0K	40° Field of View	3.5 - 7.5 1.8 - 4.3 8.2-19.1*
view unit and a node unit either side). Detection Speed Range 0.5ms ⁻¹ – 3ms ⁻¹ Temperature Sensitivity < 2.0K		*Allows video view of equivalent size
Detection Speed Range 0.5ms ⁻¹ – 3ms ⁻¹ Temperature Sensitivity < 2.0K		from up to three thermal views (one dual
Temperature Sensitivity < 2.0K		view unit and a node unit either side).
Count Lines and Registers Count lines can be set to count in both directions (e.g. 'in' and 'out'). Up to 16 count lines and 32 registers can be implemented in any device or wide opening network, allowing for bi- directional counting in up to 8 directions. A register holds count values derived from people crossing count lines. The additional registers can be used in association with the advanced count line logic to provide additional information outputs. The lines may be user-configured in a number of ways. 1. User Configurable The count lines are user configured by a drag and drop mechanism. Both line position and shape may be modified. 2. Count Direction People are counted when they cross the count lines. Different 'count modes' are available (see below). The direction of line crossing which increments the count is user selectable. 3. Count Modes Various count modes are available, including: a. Count increment when person crosses line b. Count increment when person	Detection Speed Range	0.5ms ⁻¹ – 3ms ⁻¹
Count Lines and Registers Count lines can be set to count in both directions (e.g. 'in' and 'out'). Up to 16 count lines and 32 registers can be implemented in any device or wide opening network, allowing for bi- directional counting in up to 8 directions. A register holds count values derived from people crossing count lines. The additional registers can be used in association with the advanced count line logic to provide additional information outputs. The lines may be user-configured in a number of ways. 1. User Configurable The count lines are user configured by a drag and drop mechanism. Both line position and shape may be modified. 2. Count Direction People are counted when they cross the count lines. Different 'count modes' are available (see below). The direction of line crossing which increments the count is user selectable. 3. Count Modes Various count modes are available, including: a. Count increment when person crosses line b. Count increment when person	Temperature Sensitivity	< 2.0K
both directions (e.g. 'in' and 'out'). Upto 16 count lines and 32 registers canbe implemented in any device or wideopening network, allowing for bi-directional counting in up to 8directions. A register holds countvalues derived from people crossingcount lines. The additional registerscan be used in association with theadvanced count line logic to provideadditional information outputs. Thelines may be user-configured in anumber of ways.1. User ConfigurableThe count lines are user configured bya drag and drop mechanism. Both lineposition and shape may be modified.2. Count DirectionPeople are counted when they crossthe count lines. Different 'countmodes' are available (see below). Thedirection of line crossing whichincrements the count is userselectable.3. Count ModesVarious count modes are available, including:a. Count increment when personcrosses lineb. Count increment when person		Count lines can be set to count in
to 16 count lines and 32 registers can be implemented in any device or wide opening network, allowing for bi- directional counting in up to 8 directions. A register holds count values derived from people crossing count lines. The additional registers can be used in association with the advanced count line logic to provide additional information outputs. The lines may be user-configured in a number of ways.1. User ConfigurableThe count lines are user configured by a drag and drop mechanism. Both line position and shape may be modified.2. Count DirectionPeople are counted when they cross the count lines. Different 'count modes' are available (see below). The direction of line crossing which increments the count is user selectable.3. Count ModesVarious count modes are available, including: a. Count increment when person crosses line b. Count increment when person		both directions (e.g. 'in' and 'out'). Up
opening network, allowing for bi- directional counting in up to 8 directions. A register holds count values derived from people crossing count lines. The additional registers can be used in association with the advanced count line logic to provide additional information outputs. The lines may be user-configured in a number of ways.1. User ConfigurableThe count lines are user configured by a drag and drop mechanism. Both line position and shape may be modified.2. Count DirectionPeople are counted when they cross the count lines. Different 'count modes' are available (see below). The direction of line crossing which increments the count is user selectable.3. Count ModesVarious count modes are available, including: a. Count increment when person crosses line b. Count increment when person		
directional counting in up to 8directions. A register holds countvalues derived from people crossingcount lines. The additional registerscan be used in association with theadvanced count line logic to provideadditional information outputs. Thelines may be user-configured in anumber of ways.1. User ConfigurableThe count lines are user configured bya drag and drop mechanism. Both lineposition and shape may be modified.2. Count DirectionPeople are counted when they crossthe count lines. Different 'countmodes' are available (see below). Thedirection of line crossing whichincrements the count is userselectable.3. Count ModesVarious count modes are available, including:a. Count increment when personcrosses lineb. Count increment when person		be implemented in any device or wide
directional counting in up to 8directions. A register holds countvalues derived from people crossingcount lines. The additional registerscan be used in association with theadvanced count line logic to provideadditional information outputs. Thelines may be user-configured in anumber of ways.1. User ConfigurableThe count lines are user configured bya drag and drop mechanism. Both lineposition and shape may be modified.2. Count DirectionPeople are counted when they crossthe count lines. Different 'countmodes' are available (see below). Thedirection of line crossing whichincrements the count is userselectable.3. Count ModesVarious count modes are available, including:a. Count increment when personcrosses lineb. Count increment when person		opening network, allowing for bi-
values derived from people crossing count lines. The additional registers can be used in association with the advanced count line logic to provide additional information outputs. The lines may be user-configured in a number of ways.1. User ConfigurableThe count lines are user configured by a drag and drop mechanism. Both line position and shape may be modified.2. Count DirectionPeople are counted when they cross the count lines. Different 'count modes' are available (see below). The direction of line crossing which increments the count is user selectable.3. Count ModesVarious count modes are available, including: a. Count increment when person crosses line b. Count increment when person		
values derived from people crossing count lines. The additional registers can be used in association with the advanced count line logic to provide additional information outputs. The lines may be user-configured in a number of ways.1. User ConfigurableThe count lines are user configured by a drag and drop mechanism. Both line position and shape may be modified.2. Count DirectionPeople are counted when they cross the count lines. Different 'count modes' are available (see below). The direction of line crossing which increments the count is user selectable.3. Count ModesVarious count modes are available, including: a. Count increment when person crosses line b. Count increment when person		directions. A register holds count
can be used in association with the advanced count line logic to provide additional information outputs. The lines may be user-configured in a number of ways.1. User ConfigurableThe count lines are user configured by a drag and drop mechanism. Both line position and shape may be modified.2. Count DirectionPeople are counted when they cross the count lines. Different 'count modes' are available (see below). The direction of line crossing which increments the count is user selectable.3. Count ModesVarious count modes are available, including: a. Count increment when person crosses line b. Count increment when person		_
advanced count line logic to provide additional information outputs. The lines may be user-configured in a number of ways. 1. User Configurable The count lines are user configured by a drag and drop mechanism. Both line position and shape may be modified. 2. Count Direction People are counted when they cross the count lines. Different 'count modes' are available (see below). The direction of line crossing which increments the count is user selectable. 3. Count Modes Various count modes are available, including: a. Count increment when person crosses line b. Count increment when person		count lines. The additional registers
additional information outputs. The lines may be user-configured in a number of ways. 1. User Configurable The count lines are user configured by a drag and drop mechanism. Both line position and shape may be modified. 2. Count Direction People are counted when they cross the count lines. Different 'count modes' are available (see below). The direction of line crossing which increments the count is user selectable. 3. Count Modes Various count modes are available, including: a. Count increment when person crosses line b. Count increment when person		can be used in association with the
lines may be user-configured in a number of ways.1. User ConfigurableThe count lines are user configured by a drag and drop mechanism. Both line position and shape may be modified.2. Count DirectionPeople are counted when they cross the count lines. Different 'count modes' are available (see below). The direction of line crossing which increments the count is user selectable.3. Count ModesVarious count modes are available, including: a. Count increment when person crosses line b. Count increment when person		advanced count line logic to provide
number of ways. 1. User Configurable The count lines are user configured by a drag and drop mechanism. Both line position and shape may be modified. 2. Count Direction People are counted when they cross the count lines. Different 'count modes' are available (see below). The direction of line crossing which increments the count is user selectable. 3. Count Modes Various count modes are available, including: a. Count increment when person crosses line b. Count increment when person		additional information outputs. The
number of ways. 1. User Configurable The count lines are user configured by a drag and drop mechanism. Both line position and shape may be modified. 2. Count Direction People are counted when they cross the count lines. Different 'count modes' are available (see below). The direction of line crossing which increments the count is user selectable. 3. Count Modes Various count modes are available, including: a. Count increment when person crosses line b. Count increment when person		lines may be user-configured in a
a drag and drop mechanism. Both line position and shape may be modified. 2. Count Direction People are counted when they cross the count lines. Different 'count modes' are available (see below). The direction of line crossing which increments the count is user selectable. 3. Count Modes Various count modes are available, including: a. Count increment when person crosses line b. Count increment when person		
a drag and drop mechanism. Both line position and shape may be modified. 2. Count Direction People are counted when they cross the count lines. Different 'count modes' are available (see below). The direction of line crossing which increments the count is user selectable. 3. Count Modes Various count modes are available, including: a. Count increment when person crosses line b. Count increment when person	1. User Configurable	The count lines are user configured by
2. Count Direction People are counted when they cross the count lines. Different 'count modes' are available (see below). The direction of line crossing which increments the count is user selectable. 3. Count Modes Various count modes are available, including: a. Count increment when person crosses line b. Count increment when person	-	
2. Count Direction People are counted when they cross the count lines. Different 'count modes' are available (see below). The direction of line crossing which increments the count is user selectable. 3. Count Modes Various count modes are available, including: a. Count increment when person crosses line b. Count increment when person		position and shape may be modified.
modes' are available (see below). The direction of line crossing which increments the count is user selectable. 3. Count Modes Various count modes are available, including: a. Count increment when person crosses line b. Count increment when person	2. Count Direction	
direction of line crossing which increments the count is user selectable. 3. Count Modes Various count modes are available, including: a. Count increment when person crosses line b. Count increment when person		the count lines. Different 'count
increments the count is user selectable. 3. Count Modes Various count modes are available, including: a. Count increment when person crosses line b. Count increment when person		modes' are available (see below). The
selectable. 3. Count Modes Various count modes are available, including: a. Count increment when person crosses line b. Count increment when person		direction of line crossing which
3. Count Modes Various count modes are available, including: a. Count increment when person crosses line b. Count increment when person		increments the count is user
a. Count increment when person crosses line b. Count increment when person		selectable.
crosses line b. Count increment when person	3. Count Modes	Various count modes are available, including:
b. Count increment when person		a. Count increment when person
		crosses line
leaves the field of view		b. Count increment when person
c. Ignore or register U-turns		c. Ignore or register U-turns
d. Count every line crossing or only		
the first line crossing.		

Technical specifications:	
4. Advanced Count Line Logic	Embedded within all Gazelle devices is
	the ability to use multiple count lines to
	extract more detailed information about
	people's movements within the field of
	view of the counter. Using logic such as
	Sequential, Summation and Alternative,
	it is possible to get advanced analytical
	information for a variety of applications
	e.g. using sequential line logic; a new
	register can be created that will only
	increment when a person crosses two
	count lines in a predetermined order.
	Such an application is useful in
	determining the flow of people in different
	directions from an entrance.
5. Placement Restrictions	The user is free to place and adjust the
	count lines, providing that a certain
	amount of initialisation space is allowed
	between the edge of the counters field of
	view and the count line. This is
	dependent on the height of the counter
	and other factors - see IPU 40503
	Applications Notes.
6. Wide Opening Networks	Often essential for use in shopping mall
	installations and transport hubs and
	beneficial in retail installations, the
	Gazelle series ability to be used in a
	Wide Opening Network configuration can
	be highly advantageous. In a wide
	opening situation up to 8 people counters
	can be linked together and configured as
	a single unit with a wide footprint. People
	moving between the fields of view of
	each counter will be tracked. Count lines
	can be configured in a variety of formats.
	A single pair of count lines can be
	implemented across all 8 units or
	alternatively, several pairs of count lines
	can be placed at any point in the
	extended field of view.

.

Gazelle DualView & IP - Technical Specification continued

Technical specifications:	
Counter System	Single counter connected via IP or
Implementations	a group of counters installed together
	to give a single count output,
	controlled via an IP master counter.
Configuration	Configuration of the counter is carried
	out either by IP connection (which may
	be local or remote) or by a plug-in
	configuration cable connected to a
	socket on the counter base. The IP
	connection when used with an
	additional third party WiFi adapter and
	a WiFi enabled laptop, will also allow
	wireless configuration.
Power Supply Requirements	
Supply voltage:	12 - 28V or PoE
Ripple:	<2Vpk-pk within supply range
Typical Supply Current:	24V 12V
	80mA 160mA
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	Gazelle DualView video view provides
	12fps at native resolution of 1600 x
	1200. This provides a digital zoom
	capability when mounted at higher
	heights with no loss of video quality.

Technical specifications:	
Mechanical	
Housing material:	White ABS
Bulkhead mount:	
Dimensions:	190mm x 111mm x 63mm deep
Weight:	0.3kg
Mounting:	Four fixing holes in ceiling mounting plate
Recess mount:	
Dimensions:	190mm x 111mm x 63mm deep
Weight:	0.3kg
Mounting:	Four fixing holes in ceiling mounting plate.
Limitations to Use	Users are requested to observe the
	following guidelines:
	Safety critical use: The Gazelle series
	is not intended for use in any safety
	critical or personal safety application.
	*See Irisys publication IPU 40503
	Applications Notes for guidance on
	the use and application of the $Gazelle$
	series detectors.
Environment	The counters are intended for use in
	indoor environments, free from rapid
	changes in temperature or humidity.
Operating Temperature:	0°C to + 40°C (non-condensing).
Storage Temperature:	-10°C to + 50°C.



Gazelle IP Node - Technical Specification

Technical specifications:														
Coverage Pattern	The mounting height determines the													
	maximum coverage area available, as													
	shown below.													
Height Options	Height Range (m) Field of View (m) Field of View (m)													
60° Field of View	2 - 4.5 1.8 - 2.5 4.6 - 11.7*													
40° Field of View	3.5 - 7.5 1.8 - 4.3 8.2-19.1*													
Detection Speed Range	0.5ms ⁻¹ – 3ms ⁻¹													
Temperature Sensitivity	< 2.0K													
Configuration	All configuration is carried out through													
	the Gazelle master device – this can													
	be either a Gazelle DualView master													
	or a Gazelle IP master; configuration													
	instructions can be found in the													
	specification information for these													
	devices. The Gazelle IP node cannot													
	be used alone and must be connecte													
	to a master device.													
Wide Opening Networks	Often essential for use in shopping													
	mall installations and transport hubs													
	and beneficial in retail installations, the													
	Gazelle series ability to be used in a													
	Wide Opening Network configuration													
	can be highly advantageous. In a wide													
	1 0 0													
	counters can be linked together and													
	configured as a single unit with a wide													
	footprint. People moving between the													
	fields of view of each counter will be													
	tracked. Count lines can be configured													
	in a variety of formats.													
Counter System	As a node device in group of counters													
Implementations	installed together to give a single													
	count output, controlled via an IP													
	master counter.													

Technical specifications:	
Counter System	As a node device in group of counters
Implementations	installed together to give a single
	count output, controlled via an IP
	master counter
Power Supply Requirements	
Supply voltage:	12 - 28V or PoE
Ripple:	<pre><2Vpk-pk within supply range</pre>
Typical Supply Current:	24V 12V
Typical Supply Sultent.	80mA 160mA
IP Interface Specification	Standard RJ45 socket are provided on
IP Intenace Specification	
	the rear of the unit for structured cable
	(CAT5) connection to a Gazelle
	Dualview or IP master unit
Mechanical	
Housing material:	White ABS
Bulkhead mount:	
Dimensions:	190mm x 111mm x 63mm deep
Weight:	0.3kg
Mounting:	Four fixing holes in ceiling mounting plate
Recess mount:	
Dimensions:	190mm x 111mm x 63mm deep
Weight:	0.3kg
Mounting:	Four fixing holes in ceiling mounting plate.
Limitations to Use	Users are requested to observe the
	following guidelines:
	Safety critical use: The Gazelle series
	is not intended for use in any safety
	critical or personal safety application.
	*See Irisys publication IPU 40503
	Applications Notes for guidance on
	the use and application of the Gazelle
	series detectors.
Environment	The counters are intended for use in
	indoor environments, free from rapid
	changes in temperature or humidity.
Operating Temperature:	0°C to + 40°C (non-condensing).
Storage Temperature:	-10°C to + 50°C.

.

Gazelle Series	
••••••••••	• • • • • • • • • • • •



Ga	aze	ell	е	S	ər	ie	S																									
•		•	•	•	•	•			•	•	•	•	•	•			•		•				•	•	•				•	•	•	,

IRISYS Americas

One Glenlake Parkway Suite 700 Atlanta GA 30328 USA

Tel: +1 678 638 6248 Email: sales@irisys.net Web site: www.irisys.net

> September 2013 IPU 40498 Issue 1

> > . . .

InfraRed Integrated Systems Limited

Park Circle Tithe Barn Way Swan Valley Northampton NN4 9BG UK

Tel: +44 (0) 1604 594 200 Fax: +44 (0) 1604 594 210 Email: sales@irisys.co.uk Web site: www.irisys.co.uk



.

© 2013 InfraRed Integrated Systems Limited (Irisys). No part of this publication may be reproduced without prior permission in writing from Irisys. Whilst Irisys will endeavour to ensure that any data contained in this product information is correct, Irisys do not warrant its accuracy or accept liability for any reliance on it. Irisys reserve the right to change the specification of the products and descriptions in this product information without notice. Prior to ordering products please check with Irisys for current specification details. This product may be protected by patents US5420419, US5895233. All brands and product names are acknowledged and may be trademarks or registered trademarks of their respective holders.

• •

.

•••••