



# Video Turnstile Outdoor Unit

## Weatherproof Video Analytics



- Highly accurate automated people counting system
- High definition pixelated algorithm which uses coloured blobs for intelligent counting and unique calibration in all environments
- Live video streaming feature for accurate counting validation and calibration
- Live remote log-in feature allowing secure access to the hardware unit from anywhere in the world
- Video server feature embedded in the hardware units controlled and viewed through the analytical calibration software to control the logger unit
- Streaming and diagnostic data at full frame, plus streaming of video and diagnostic data at reduced frame rates for low latency calibration and accuracy verification
- Contains aperture change handling feature, shadow handling and shadow elimination feature embedded in high definition algorithm

### Why use the RSL Outdoor Counting Solution?

- A vital and critical indicator of the health of town and city centres. This valuable data gives a good understanding of how many people are being attracted to their area and at what times
- Helps to optimise business opening and closure times
- Helps justify rent prices charged to businesses
- Helps to effectively manage the flow of human traffic around the busiest routes within town and city centres and high streets
- Allows the comparison and assessment of human traffic flow around different locations with these areas
- Allows comprehensive real-time visitor counts and traffic patterns, enabling more efficiently tracking and allocation of human resources through informed scheduling
- Helps to identify high human traffic areas and adjust layouts accordingly to understand and react to user trends and needs
- Improves security measures to be more in line with visitor volumes within these areas
- Measure communication and promotional success by tracking increase or decrease in people traffic at specific outdoor locations
- Helps to control and adhere to maximum capacity limitations around these outdoor areas and high streets
- Helps deploy resource plans and models for the operations and efficient running of outdoor locations



# Retail Sensing



Model may vary from images shown

<b>Unit</b>	Outdoor weatherproof camera unit and case ( model may vary dependant on region)
<b>Unit</b>	Video Turnstile single unit ( 1 VT unit for each people counting camera)
<b>Weight</b>	0.145 kg
<b>Size</b>	150 x 80 x 30 mm
<b>Unit</b>	Optional 3g/WiFi single unit ( 1 VT unit for each people counting camera)
<b>Weight</b>	0.275 kg
<b>Size</b>	150 x 80 x 30 mm
<b>Unit</b>	Ethernet Logging Video Turnstile single unit (one logger unit for upto 16 VT units)
<b>Weight</b>	0.285 kg
<b>Size</b>	150 x 80 x 30 mm
<b>Power requirements</b>	12V DC
<b>Camera input</b>	Composite Video EIA or CCIR format (colour)
<b>Video – out</b>	1V peak to peak composite / 75 W video
<b>Pulse outputs</b>	Up screen direction 100ms , Down screen direction 200ms. Output is normally high , pulsing low
<b>Indicators</b>	On/Off LED, Count Up screen LED, Count Down screen LED, Busy LED
<b>Logger Clock</b>	32 bit low power counter running from a 32KHz crystal clock.
<b>Multiple units</b>	Modular Logger and VT units (each logger has its own IP address and can handle upto 16 VTS)
<b>Data Streaming</b>	Streaming of Diagnostic data at full frame rate Streaming of Video plus Diagnostic data at reduced frame rates for calibration, accuracy verification
<b>Data collection</b>	Text files, XML, My SQL
<b>Notes</b>	Video server built in feature embedded in the hardware units, controlled and viewed through the analytical calibration software to control the logger unit. Continuously monitors background light levels and contains

