



Capacity Tracker

CCTV Based Video Analyser



Count through single doorways, double doorways, wider doorways and corridors

Accurately count people entering and leaving the venue

Real-time counts with LED display to aid license renewal

Real-time counts with LED display to aid Health and Safety regulations

Alerts can be configured to warn when approaching full capacity

Allows forecasting for future promotional and special event nights

Record counts over your chosen interval

Verify the counts

Record counts for off-site commissioning

Stream video over the internet

Customised systems per client and venue

Why implement the Retail Sensing Limited Video turnstile System?

Many bars, pubs and nightclubs are under pressure from local authorities to better manage their occupancy levels.

Venues such as stadiums need to know the numbers of visitors on site at events to meet stringent health and safety guidelines, monitor visitor flow and to safeguard the public.

Licence holders need accurate counts of the number of people on their premises.

Our systems achieve high accuracy levels even in variable or poor lighting.

We let you monitor different areas within the building, as well as the overall occupancy.

Current totals are shown on LED displays and at a central computer.

The displays flash to warn staff when capacity limits are approaching.

The RSL Capacity Tracker System comprises of overhead CCTV cameras linked to intelligent people counting units (called Video Turnstile units). The system counts people entering and leaving areas. These are designed and manufactured on our premises in the UK: We can thus customise any system to your specifications.

As well as real-time counts, records are kept of previous totals. For example, you can see how many people entered and left the venue every hour over the past weeks or months. The historical counts are stored as text files so you can use almost any Windows analysis or reporting software to process the data and compile reports. This aids in forecasting numbers for future promotions and special events.



Retail Sensing



Unit	Video Turnstile single unit (1 VT unit for each people counting camera)
Weight	0.145 kg
Size	150 x 80 x 30 mm
Unit	Ethernet Logging Video Turnstile single unit (one logger unit for upto 16 VT units)
Weight	0.285 kg
Size	150 x 80 x 30 mm
Power requirements	12V DC, 200mA with camera attached (non IR), 60 mA without camera
Camera input	Composite Video EIA or CCIR format (colour)
Video – out	1V peak to peak composite / 75 W video
Pulse outputs	Up screen direction 100ms , Down screen direction 200ms. Output is normally high , pulsing low
Indicators	On/Off LED, Count Up screen LED, Count Down screen LED, Busy LED
Logger Clock	32 bit low power counter running from a 32KHz crystal clock.
Multiple units	Modular Logger and VT units (each logger has its own IP address and can handle upto 16 VTS)
Data Streaming	Streaming of Diagnostic data at full frame rate Streaming of Video plus Diagnostic data at reduced frame rates for calibration, accuracy verification
Data collection	Text files, XML, My SQL
Notes	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





Focal Length (Millimetres)

2.9	3.6	4.6	6.0	8.0
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Height (Metres)

2
2.5
3
3.5
4
4.5
5
5.5
6
6.5
7
7.5
8

Zone Width (Metres)

1.66				
2.07	1.67			
2.48	2.00	1.57		
2.90	2.33	1.83		
	2.67	2.09	1.60	
	3.00	2.35	1.80	
		2.61	2.00	1.50
			2.20	1.65
			2.40	1.80
			2.60	1.95
				2.10
				2.25
				2.40



Retail Sensing



Unit

Occupancy display (one display unit + one VT unit)

Weight

0.285 kg

Size

120 x 100 x 35 mm

Power requirements

12V DC

Input

RS232

Output

LCD display

Pulse outputs

Up screen direction 100ms , Down screen direction 200ms.
Output is normally high , pulsing low

Indicators

Numerical counts with flashing warning for user-defined capacity number

Logger Clock

32 bit low power counter running from a 32KHz crystal clock.

Multiple units

Modular Logger and VT units (each logger has its own IP address and can handle upto 16 VTS)

Data Streaming

Streaming of Diagnostic data at full frame rate
Streaming of Video plus Diagnostic data at reduced frame rates for calibration, accuracy verification

Data collection

Text files, XML, My SQL

Notes

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