

# SafeCount™



**SafeCount™**  
System for door entrances



## INTRODUCING

- Real time occupancy monitoring
- Live occupancy data with visual warnings and alerts when limits are approached or exceeded
- Occupant and attendant dashboards
- Historic reports for analysis & audit
- Accessible on WiFi enabled devices
- Suitable for buildings with multiple entrances
- Supports integration with Traffic Light signaling system



### Easy, fast install

- No complicated setup/config
- Box to working in under 30 mins
- Support for up to 4 entrances



### Standalone, yet scalable

- Separate from existing IT networks
- Optional cloud platform for remote management and reporting



### Long-term value

- Occupancy missing analytic metric
- Key to optimising performance



### High accuracy

- Unrivalled sensor accuracy (>99%)
- Unaffected by environmental conditions



### Privacy protecting

- Anonymous sensing technology
- Cameras/video not used in person detection



### Staff detection

- Advanced functionality that can exclude staff from occupancy count

## DASHBOARDS

### Occupant View

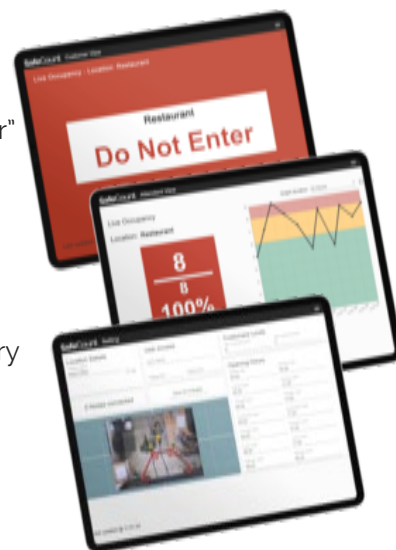
- Clear message for customers/visitors - "Safe To Enter" or "Do Not Enter"
- Visual colour indicator changes based on live occupancy level

### Attendant View

- Live occupancy displayed against max occupancy
- Visual colour indicator
- Occupancy graph showing live occupancy and recent occupancy history

### Reports and Settings

- Simple setup – location name, occupancy limits, opening times
- Historical occupancy, footfall and pattern reports



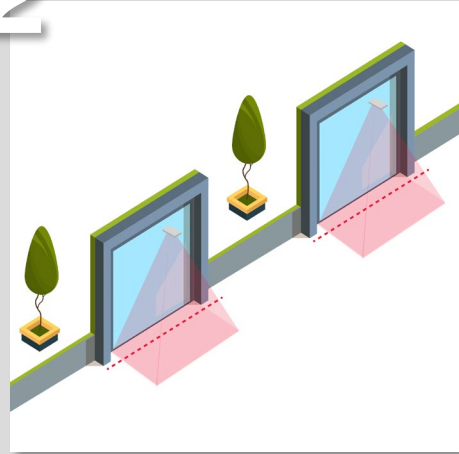
## HOW TO GET STARTED:

# 1



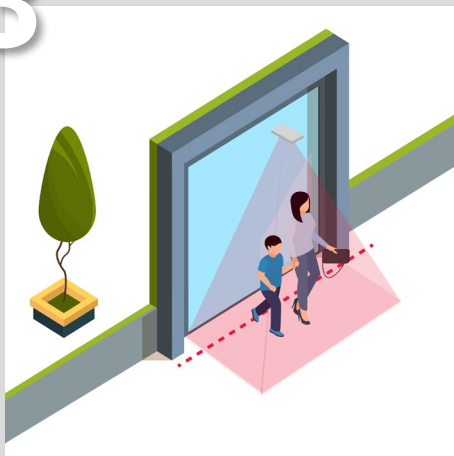
Install SafeCount sensors above entrance and connect cables

# 2



Set up Nodes above additional entrances and configure basic settings

# 3



Customers and visitors are counted accurately and anonymously

# 4



View real-time occupancy data via any connected device

Find out more

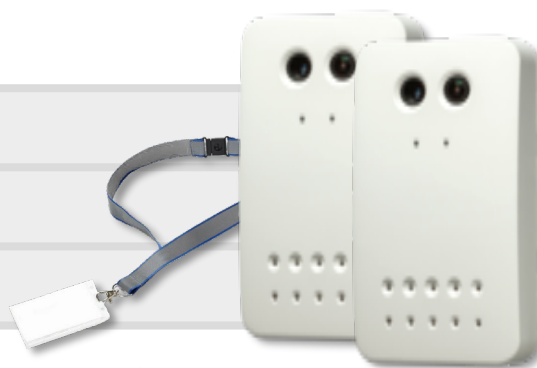
[irisys.net/safecount](https://irisys.net/safecount)

## SAFECOUNT EQUIPMENT:

**Vector SafeCount Sensor (PoE) Master White**  
(main entrance/exit)

**Vector SafeCount Sensor (PoE) Node White**  
(additional entrances/exits)

**SafeCount Lanyard**  
(excludes staff from occupancy count)



## ADDITIONAL EQUIPMENT REQUIRED:

All of the SafeCount system analytics as well as the live dashboards and reporting is embedded on the device, meaning no additional software is required. To access the live dashboards and configure the settings on the sensor it must be connected using a network cable to a WiFi router via a PoE Switch with sufficient ports for each SafeCount sensor used and the WiFi router. These additional components must be purchased separately.

<b>WiFi Router</b>	Please refer to <b>Additional Equipment Specification</b> on next pages
<b>PoE Network Switch</b>	
<b>Tablet/Screen</b>	

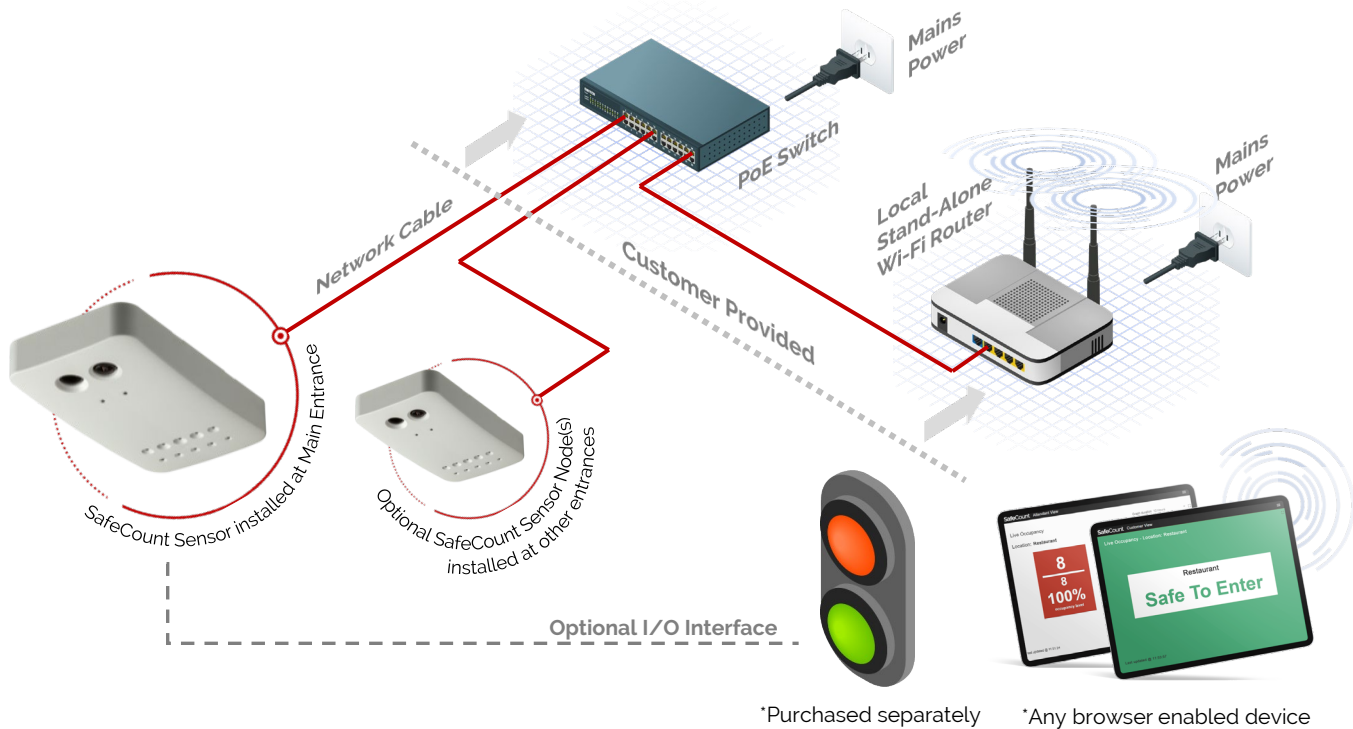
## TECHNICAL SPECIFICATIONS:

<b>Technology</b>	Infrared – Time of Flight
<b>Usage</b>	Indoor only
<b>Mounting Height</b>	2.5m – 4.5m
<b>Coverage</b>	Varies based on mounting height @ 2.5m = 2.27m x 1.63m @ 4.0m = 4.41m x 3.16m
<b>Sensor Dimensions</b>	195mm x 110mm x 32mm
<b>Sensor Weight</b>	550g
<b>Housing Material</b>	Cast aluminium alloy
<b>Power Supply</b>	PoE IEEE802.3af Class 3 (<12.95W)
<b>Operating Temp. Range</b>	0°C to 40°C
<b>Req. Illumination</b>	N/A – works in darkness
<b>Origin</b>	Assembled in the UK
<b>Warranty</b>	1 year

<b>Auto Height Setup</b>	Yes
<b>Height Measurement</b>	Yes – accuracy +/- 2cm
<b>Height Filtering</b>	Yes
<b>Staff Filtering</b>	Yes
<b>I/O Module Support</b>	Yes
<b>Detection Speed</b>	5 m/s (max)
<b>Configuration Interface</b>	HTML 5 web config. Access remote/local Mob. device compatible
<b>Data Interface</b>	HTTP POST (JSON) REST API MQTT
<b>IP Interface</b>	IPV4, IPV6 ready Fixed IP address / DHCP IP connections secured using TLS v1.2
<b>Video Validation</b>	Low resolution Setup and audit use only

## ADDITIONAL EQUIPMENT SPECIFICATION:

The SafeCount system is a flexible, scalable solution that can be used across multiple entrances. Although all of the behavioral analytics and dashboards is embedded on the device, additional system components are required to complete the solution. Before specifying, and ordering parts, please familiarize yourself with the SafeCount device and the required and optional components in the network diagram below.



### PoE Switch

Any PoE switch which is compliant with the 802.3af standard PoE specification, can be used to connect and power your SafeCount device. Make sure that the switch you use has enough physical ports for each SafeCount plus the Wi-Fi Router connection. Remember that you'll need a SafeCount device at each entrance and exit to/from your store. If using basic PoE injectors, these too must be compliant with the 802.3af spec. You will need a PoE injector per SafeCount, and each must connect to the Wi-Fi Router.

### WiFi Router

The Wi-Fi Router must enable connection of all your SafeCount devices. If you are using a PoE switch then a single cable from that switch will suffice, but if using individual PoE injectors, make sure that your Wi-Fi Router has enough physical ports to allow connection to all of them. If your Wi-Fi Router only has one port, then a basic switch will also be required.

### Network Configuration

The address range for the Wi-Fi Router should be 192.168.0.xx. This is often the default for Wi-Fi Router, but if it is different, it can be changed – please see your Wi-Fi Router instructions, or speak to your IT department if you're not sure. The SafeCount device will be utilizing IP address 192.168.0.250. If you have other SafeCount devices on other doors these will be using addresses 192.168.0.251 and above.

## ADDITIONAL EQUIPMENT SPECIFICATION (continued):



### Tablet / Display screen


- Ensure the screen is big enough for use – especially if you plan to leave the tablet display viewable by your customers/visitors.
- The minimum screen resolution required is 1024x700.
- The tablet must be running the Google Chrome web browser app.
- Other web browser may work, but Chrome is the recommended browser and is known to work.





### Traffic Light/Sound

The SafeCount solution also supports direct integration with other audio and visual indicators via a separate, optional I/O module that can be purchased with your SafeCount sensors. Once integrated it is possible to control simple visual indicators such as a traffic light system showing a red or green light depending on occupancy levels. SafeCount also supports the use of clear audible alerts to inform people of when it is safe to enter.



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