

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
- Customer 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

Customer View

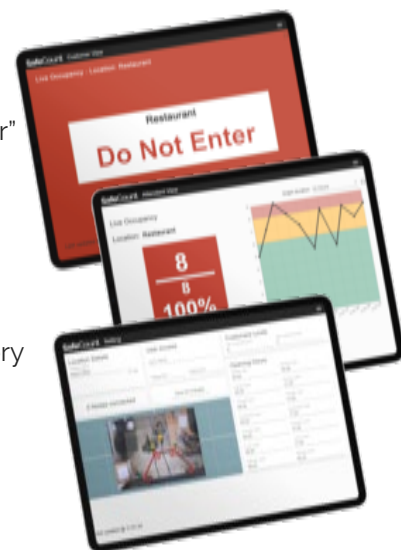
- Clear message for customers/visitors - "Safe To Enter" or "Do Not Enter"
- Visual colour indicator changes based on live occupancy level

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



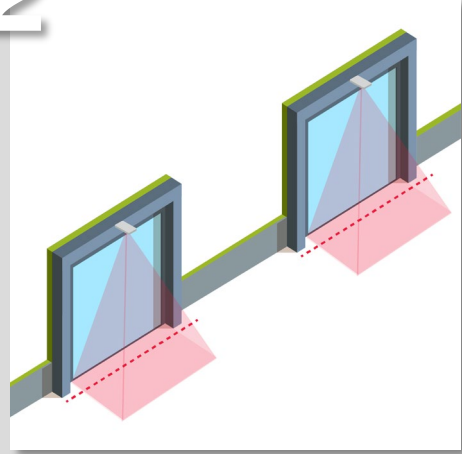
HOW TO GET STARTED:

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

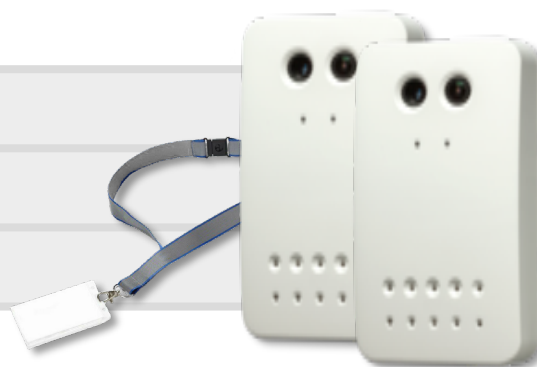
sales@comarkusa.com

WHAT'S INCLUDED:

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.

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

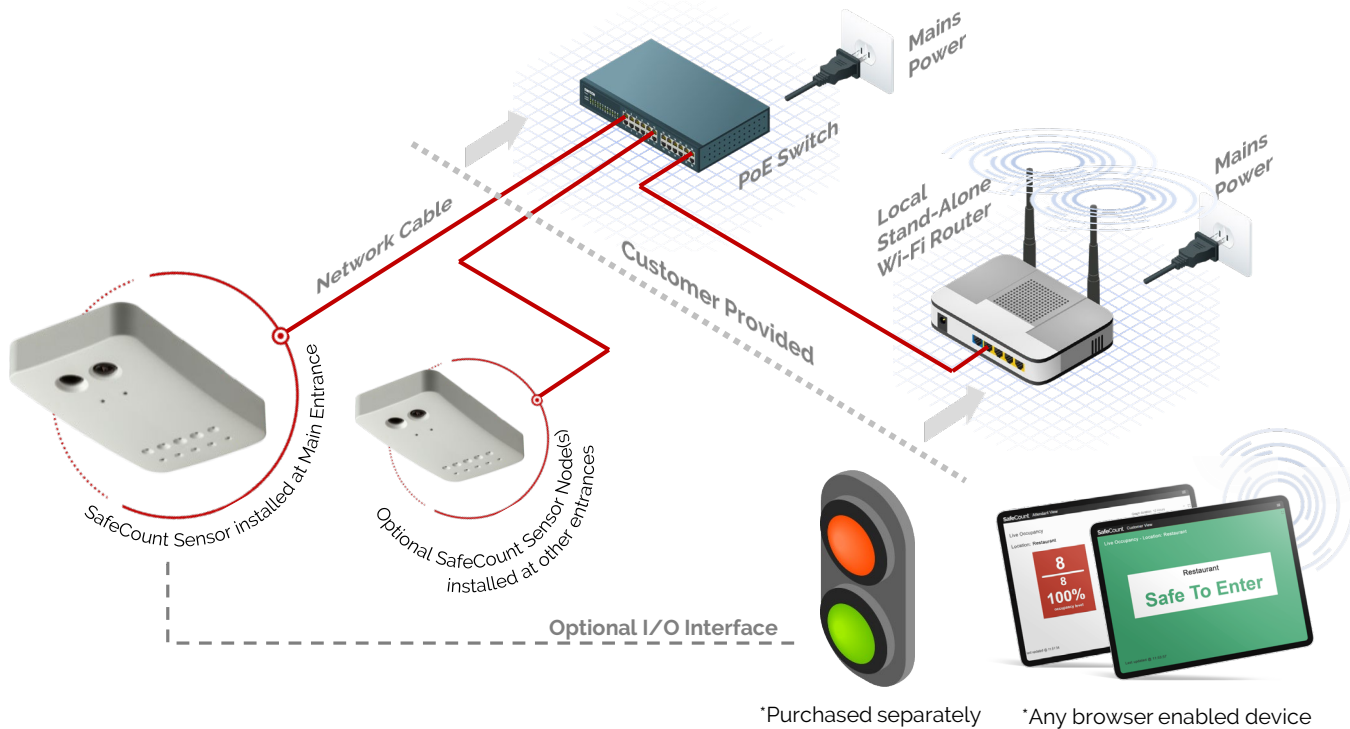
TECHNICAL SPECIFICATIONS:

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

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