

Transforming workspaces with busyness analytics.

The Freespace FLO sensor utilises non-optical thermal imaging technology to capture anonymous footfall data. Placed at entry/exit points, it provides simultaneous bi-directional multi-person counts, offering a cost-effective solution for understanding occupancy at a macro level, including an office, floor, or specific area (i.e. cafeteria, washrooms).



Benefits.

Organisational benefits:

- Informed workplace design decisions
- Reduced operational costs
- Customisable workspaces
- Enhanced resource utilisation

Employee benefits:

- Improved safety awareness
- Enhanced work efficiency
- Improved productivity
- Supporting better collaboration

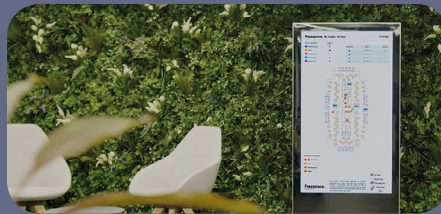
WORKPLACE MANAGEMENT & OPTIMISATION.

The sensor data can help organisations understand how spaces/floors are being used and the overall capacity. This is a low cost enhancement on badge data, where organisations can benefit from accurate floor and area occupancy data (i.e. badge data doesn't accurately record floor occupancy due to tail gating or a lack of access control). Additionally, the data allows for better capacity planning & energy/carbon reductions where spaces are underutilised (i.e. reducing two floors to one based on historic sensor data).



DYNAMIC CLEANING & FM SERVICES.

The FLO sensor can be placed on the entrance/exit points to multiple space types (i.e. toilets, restaurant, collaborative working spaces). As part of the configuration maximum thresholds can be set-up so that when the number is exceeded this triggers an alert (i.e. cleaners are alerted and will clean the area, irrespective of the next clean on the schedule). This helps achieve high cleanliness and hygiene standards and enhances brand reputation.



IMPROVED EMPLOYEE EXPERIENCE.

The live busyness data generated from the FLO sensor can be integrated with digital signage displays. This enables employees to easily view the busyness of an area (i.e. staff restaurant) and plan their time effectively and be more productive (i.e. by waiting for a quieter time).



WORKPLACE SAFETY & WELL-BEING.

The FLO sensor plays a crucial role in compliance and safety management (i.e. fire loading). Alerts can be created when the number of people on a floor / area exceeds the capacity and produces a risk for the business. This enables workplace and facilities managers ensure the right safety measures are in place through compliance to organisational and regulatory standards.

POWER OF ANALYTICS.

The data is available via 'live' and historical dashboards allowing analysis by each entry point, specific areas or comparing busyness of different areas (i.e., floors). Our analysis looks at hourly / daily averages and peak numbers. Additionally, we are able to provide advanced analytics to understand performance across multiple areas and spaces such as all meeting rooms monitored by multiple sensor types.

Technical data sheet.



FLO sensor

Compare our FLO sensors.

Compare and contrast our FLO sensor options to understand which best suits your business needs.

Product. Rev 18062024	 FLO (Mains)	 FLO - Power over Ethernet (PoE)
Part numbers	FS02CW04 FS02CB04 FS03CW04 FS03CB04	FS03DW04 FS03DB04
Connectivity	2.4GHz/5GHz Wi-Fi	PoE
Communications**	802.11a/b/g/n/ac	802.3af/802.3at
Power Method	Wired	PoE (44-57v) & PoE+ (50-57v)
Power Supply	PoE Splitter, Mains Plug	PoE Based Switch or Injector
Average Current Consumption	80mA	
Peak Current Consumption	500mA	
Onboard Sensors*	PIR, Thermal Imaging Module, Temperature, Humidity, Light & Noise	
Ports Used	80, 443, 993, 31314	
Security Protocol**	WPA2-PSK. RSA encryption	
Internet Protocol	IPv4 (IPv6 Not Supported)	
Outbound Connections	Preassigned fixed URL	
Inbound Connections	Disallowed	
Average Latency	4 Seconds	
Mounting	Ceiling via mounting plate. Opposite to the door opening, via a doorway mount (on the door frame), via ceiling mount or even poll mount (depending on the ceiling type)	
FoV	110° x 75°	
Accuracy	93%	
Temperature	Indoor use only. Certified against 0°C to +40 °C	
ABS Plastic Enclosure	65x65x26mm	86x86x33mm
Accessories	Power Supply, Ceiling Mounting Plate, Screws	Ceiling Mounting Plate, Screws
Packaging	Box of 20 (Inc Accessories) 400x400x170mm / 5KG	Box of 40 (Inc Accessories) 400x400x270mm / 10KG
Available Colours	White/Black in matte finish	
Certification	UKCA (UK), CE (EU), FCC (US) ISO27001 compliant	UKCA (UK), CE (EU) ISO27001 compliant

*Onboard sensors configured as per client requirement

**Dependant on 2.4GHz/5GHz Module, refer to 'Network Requirement' document for more info.

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