



FLIR OCCUPANCY DASHBOARD

JULY 2020



OVERVIEW

OCCUPANCY MONITORING

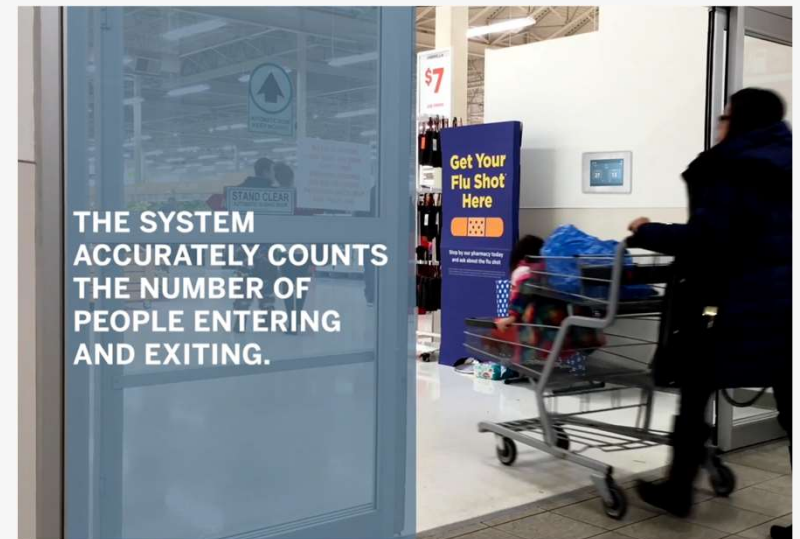
OCCUPANCY MONITORING

COVID has changed industry landscapes...

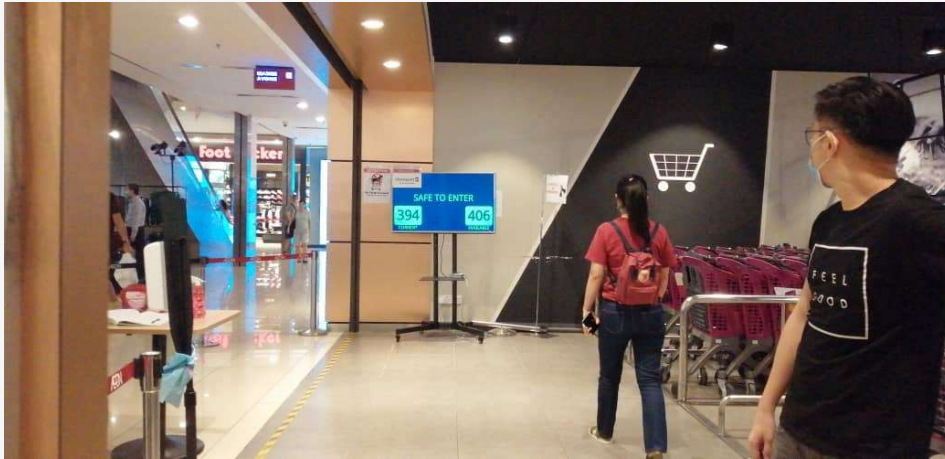
- Markets seek to promote an atmosphere of staff/customer **health** and **safety**
- **Social distancing** can be difficult to practice in crowded environments
- Controlling occupancy via manual counting is **cumbersome** and **inaccurate**
- Organizations require **automated occupancy monitoring** solutions that:
 - ✓ Supply accurate occupancy-related metrics
 - ✓ Scale quickly with minimal infrastructure
 - ✓ Do not require cloud-based processing
 - ✓ Offer flexible customization options
 - ✓ Display on a variety of web-enabled devices

OCCUPANCY

- Occupancy is calculated by adding all enters and subtracting all exits for the set of count zones associated with the Occupancy area, like a supermarket, retail store or shopping mall.



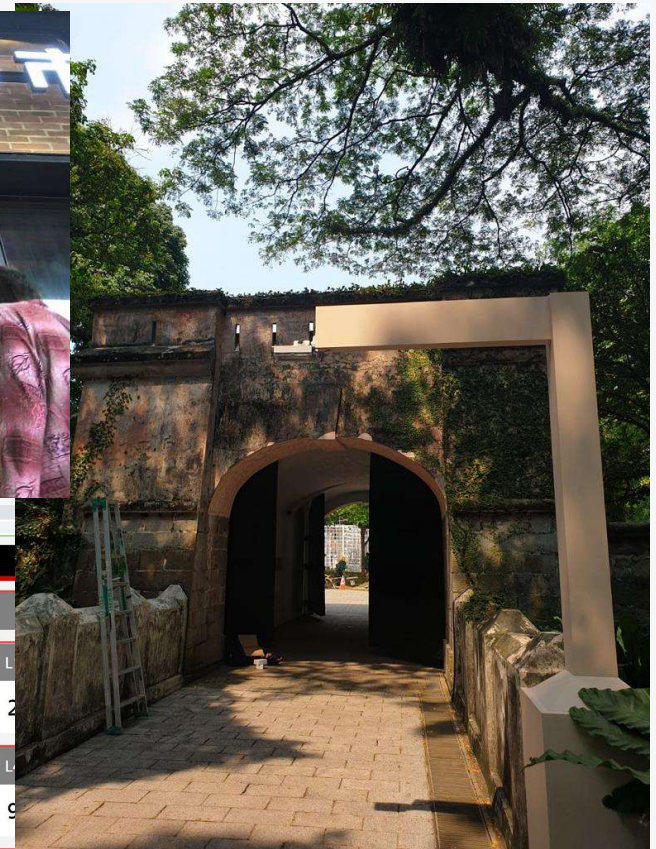
OCCUPANCY USAGE



DBS Wednesday, February 26th 2020, 4:30:19 pm

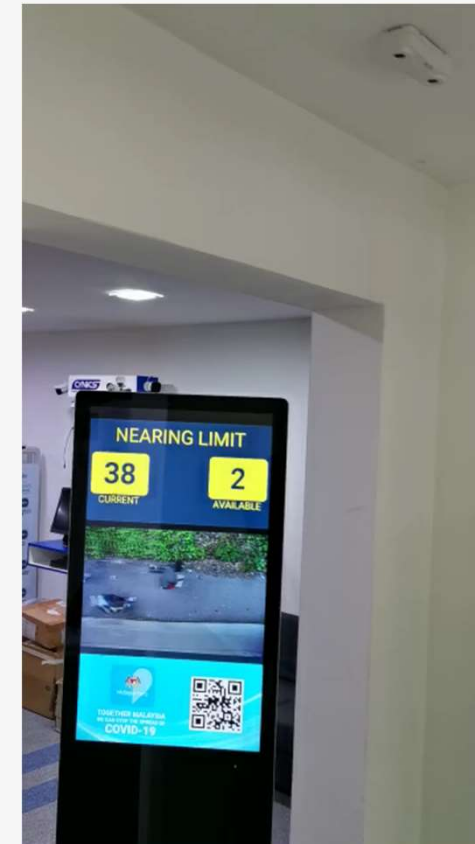
Building Occupancy

L13 > CF	L05	L06	L08	L09	L10
42 / 148	468 / 720	328 / 720	345 / 360	218 / 360	218 / 360
L11	L12	L13	L14	L15	L16
172 / 360	318 / 360	216 / 360	181 / 360	200 / 360	200 / 360
L41	L42	L43	L44	L45	L46
171 / 360	96 / 360	131 / 360	173 / 360	63 / 360	99 / 360



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OCCUPANCY USAGE



OCCUPANCY SOLUTION

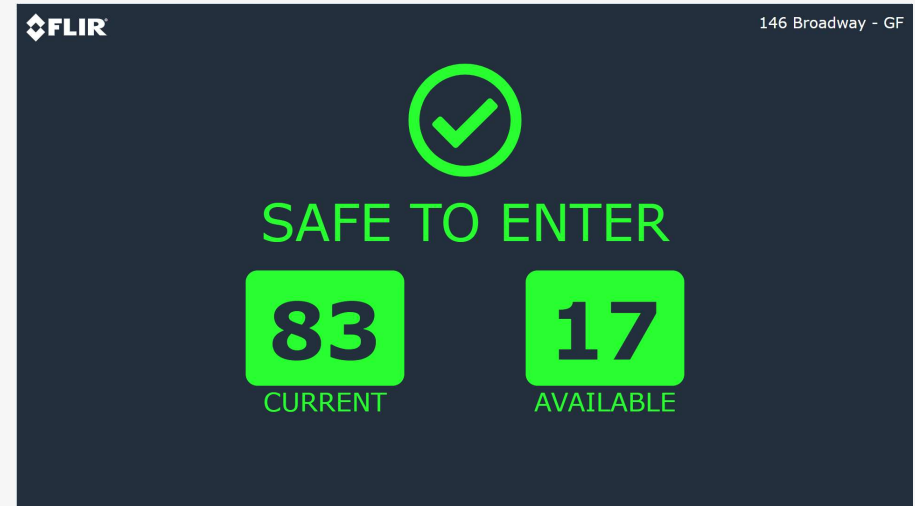
POWERED BY FLIR BRICKSTREAM CAMERAS

- Industry-leading FLIR people-tracking cameras count enters/exits and calculate occupancy
- Camera hosts real-time Dashboard viewable by browser-based devices on the network
- Configurable thresholds and messaging
- Three states (<90%, ≥90% to <100%, ≥100%)
- Customizable Dashboard “look and feel”
- Multilingual support for global deployments
- Self-contained solution (not reliant on cloud)

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Click to stop animation



View **this** Dashboard on **these** devices, and more...



PC/Laptop



Tablet



Mobile



Smart TV





Customer logo

146 Broadway - GF

Site location

Current occupancy
status (message, icon)



Change icon and text
colors as status changes

SAFE TO ENTER



CURRENT



AVAILABLE

How many people
are in the building?

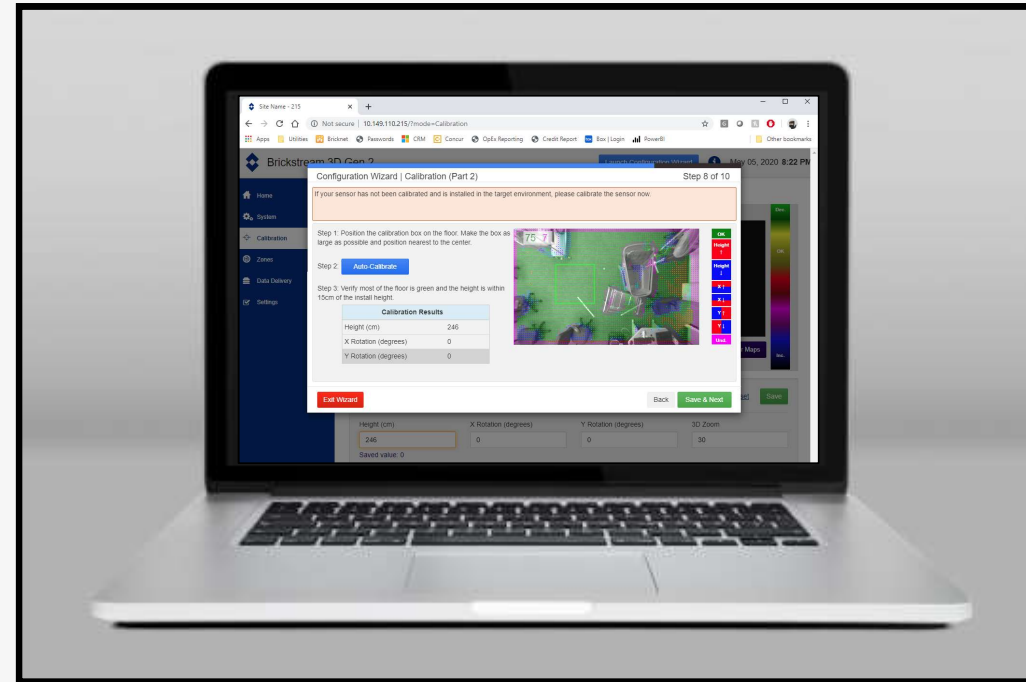
How many more
people can enter?

BRICKSTREAM 3D GEN 2



- All-in-one stereo vision sensor, comms/power via CAT5
- Integrated surface mount with hidden cable design
- Robust metric set (count, queue, dwell, detection)
- AI-enhanced tracking engine produces accurate and consistent metrics in a variety of challenging environments
- No ongoing video storage required; supports privacy filtering
- Secure UI access and encryption ensures maximum security

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Browser-based configuration wizard

- ✓ **Easy Installation**
- ✓ **Fast Configuration**
- ✓ **Reliable Results**
- ✓ **Minimal Infrastructure**
- ✓ **Low TCO**
- ✓ **Reputable FLIR Brand**

WHAT DO YOU NEED?

Provided by FLIR

- Brickstream Sensor (25xx)
- Occupancy Key



Note: When multiple sensors are used, they can be any combination of Brickstream models; however, the sensor on which occupancy is configured must be a Brickstream 3D Gen 2 model (2500 or 2510).

Partner or End User to provide:

- PoE Switch / Injector
- Wi-Fi Router
- Wi-Fi enabled device
- Ethernet cable
- Power outlet
- Installation

SOLUTION ARCHITECTURE

Camera power: PoE (802.3af)

CAT5 has 100m run limit

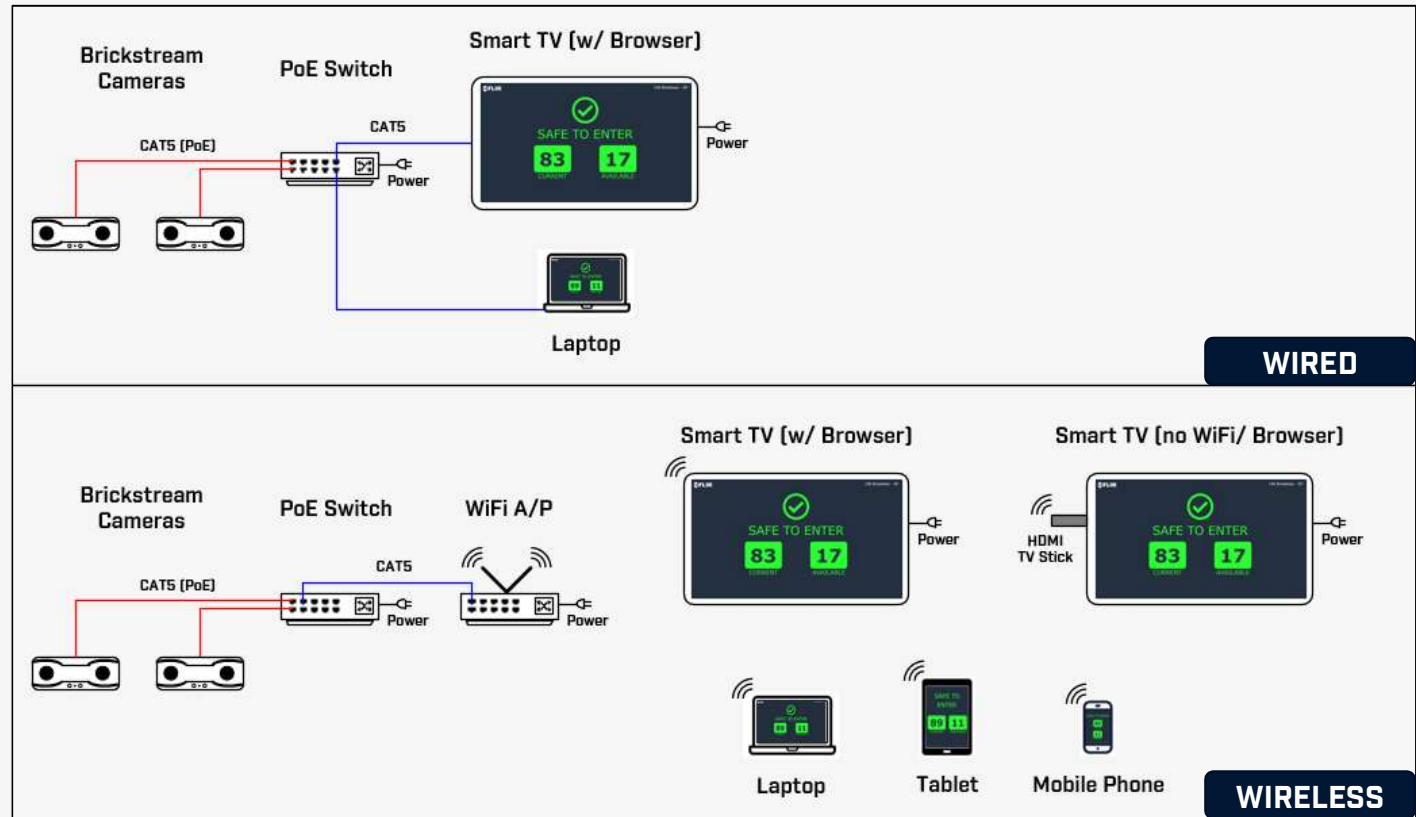
+WiFi A/P for wireless access

Wireless offers display flexibility

Initial commissioning typically performed remotely via WAN

Once commissioned, solution can be disconnected from WAN

Historic data can also be streamed offsite, if desired



OCCUPANCY PRODUCT CODES

P/N	Description	Notes
SWP-BSCOCC-2510	Brickstream 2510 Standard Occupancy	Occupancy license supporting 4 counting zones (for 2510 platform)
SWP-UPGOCC-2510	Brickstream 2510 Advanced Occupancy Upgrade	Occupancy license upgrade to support 32 counting zones (for 2510 platform)

TARGET MARKETS

- Closing daily EOB
- Shopping Malls are ideal, high people flow with high dwell time and high occupancy threshold
 - Limited partner base for malls, FLIR security, direct marketing to the Top 50 mall operators
- Supermarkets / Quick Service Restaurants
 - Traditional PCT partners have no connection, new partners, FLIR security, direct marketing, SEO to have partners or customers to find us
- Libraries
- Banks, Smoking Rooms, Restrooms, Public Buildings, Post Office, Office Buildings, Manufacturing



The World's Sixth Sense®