FootfallCam
3D Extend™

Product Code: FC-F3D03

FootfallCam Product   **People Counter**

Key Features

➤ Stereo Vision Technology

➤ Real-time Occupancy Counting

➤ Widest field coverage

➤ Bi-directional Counting

➤ Most Accurate Counting with Video Proof

➤ Easy to Install and Set-Up

➤ 1-year Manufacturer Warranty

FootfallCam 3D Extend™ is designed specifically for high ceilings (up to 20m) and is embedded with a powerful 1.2GHz Quadcore processor, specifically to run its complex video processing algorithm. Our GPU Processor has 20x higher processing power than our previous version powered by the latest algorithm which uses both colour and texture patterns to identify the person, producing far superior accuracy than when using colour patterns alone.

Basic Functions

1. **Video Counting.** Counting ins and outs (measure store performance, data collection for analysis of store performance, measure marketing response).

2. **Dynamic Queue Counting.** Track the queue line and determine the average wait time of passengers and send an alert to management when the number of people waiting exceeds the threshold.

3. **Passenger Queue Playback.** Tracked data are stored in the database, and the queue counting view can be replayed later for in-depth analysis of critical passenger flow situations.

4. **Area Profiling.** Passenger Queue Playback. Tracked data are stored in the database, and the queue counting view can be replayed later for in-depth analysis of critical passenger flow situations.

Counter Diagnosis

Our counter is equipped with a simple RGB LED light that enables the simple diagnosis of the issues which can efficiently lower the support cost required.

LED LIGHT DIAGNOSIS	
⚪ **No Light**	Power Issue
🔴 **Constant Red Light**	System failed to boot
🟡 **Flashing Yellow Light**	File System Issue
🟡 **Constant Yellow Light**	Cable or Wiring Issue
🟢 **Flashing Green Light**	Network Configuration Issue
🟢 **Constant Green Light**	Server Connection Issue
🔵 **Flashing Blue Light**	Device is not paired
🔵 **Constant Blue Light**	Everything is working

FFFFootfallCam 3D Extend™

DIMENSION

Device	550mm (W) x 49mm (D) x 33mm (H)
Packing	580mm (W) x 125mm (D) x 60mm(H)

WEIGHT

Device	0.8kg
Packing	1.41kg

CAMERA

Resolution	2x5 MP
Illumination	Minimum 300 lux
Lens Degree	Parabolic 65°,55° and 33° (Versatile ceiling height suitability for most installation environment)
Output	5MP omni-vision 5647 camera modules
Frame Rate	15 fps (Live Stream of counting will only display 320x240 resolution to reduce bandwidth sent to database for verification purpose)

LEDS

LEDs troubleshooting for device status.

PROCESSOR

1GB, 1.2 GHz

CASING

Made by Aluminium oxide alloy

IP RATING

IP31

THERMAL CONDUCTIVITY

Support up to 8 GB

STORAGE

Built-in, 8 GB memory External Micro SD slot (supports up to 128 GB)

IDEAL MOUNTING HEIGHT

4.5 metres - 20 metres (Based on product variations)

IDEA ENVIRONMENTAL

Operating environment	Temperature 10°C to 45°C, Humidity 10% - 90%
Storage environment	Temperature -40°C to 80°C, Humidity 10% - 95%

FIRMWARE FEATURES

Auto firmware upgrade. Dual operating system, hardware watchdog, multicore processor.

TRACKING TECHNOLOGY

3D-Spacing Mapping Video Tracking Technology and background removal on a static object.
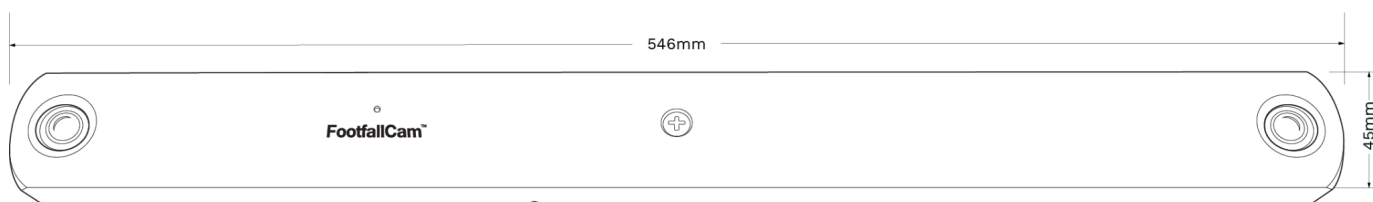
ORIGIN

Made in the UK

INPUT POWER SPECIFICATIONS

Power Over Ethernet	Yes (IEEE802.3af)
PoE Mode	Mode A/B
Power Consumptions	6W
Cabling	Cat5e, Cat6

FIRMWARE SPECIFICATIONS ON COUNTER LEVEL

Interface	Http; Https
User Level	2 levels: Administrator, Standard User
Operating System	Footfall Counter OS
Ethernet	10/100 Mb Ethernet
Data Delivery	TCP/IP
Database Type	SQLite
Report Format	csv, .xml, .txt
Firmware Feature	Dual Operating System, Hardware watchdog, Multicore processor

For more information about FootfallCam Software, kindly refer to FootfallCam Analytic Manager V8 datasheet

546mm

45mm

FootfallCam™

Coverage Table

Model	FootfallCam 3D Extend™	FootfallCam 3D Extend™	FootfallCam 3D Extend™	FootfallCam 3D Extend™
Lens	Angled 160°	Angled 65°	Angled 55°	Angled 33°
Ideal Mounting Height	4.00 metres – 9.00 metres	5.50 metres – 12.00 metres	12.00 metres – 16.00 metres	15.00 metres – 20.00 metres
Coverage Area (m) (Horizontal FOV x Vertical FOV)				
4.0	6.56 x 4.89			
4.5	7.87 x 5.87	4.59 x 3.42		
5.0	9.18 x 6.85	5.36 x 3.99		
5.5	10.50 x 7.82	6.12 x 4.56		
6.0	11.81 x 8.80	6.89 x 5.13		
6.5	11.81 x 8.80	7.35 x 5.48		
7.0	11.81 x 8.80	8.42 x 6.28		
7.5	11.81 x 8.80	8.82 x 6.57		
8.0	11.81 x 8.80	9.95 x 7.42		
8.5	11.81 x 8.80	10.29 x 7.67		
9.0	11.81 x 8.80	11.02 x 8.22		
9.5		11.75 x 8.75		
10.0		11.75 x 8.75		
10.5		11.75 x 8.75		
11.0		11.75 x 8.75		
11.5		11.75 x 8.75		
12.0		11.75 x 8.75	10.15 x 7.57	
12.5		11.75 x 8.75	10.63 x 7.93	
13.0		11.75 x 8.75	11.12 x 8.29	
13.5			11.60 x 8.65	
14.0			12.08 x 9.01	
14.5			12.08 x 9.01	
15.0			12.08 x 9.01	8.27 x 6.16
15.5			12.08 x 9.01	8.57 x 6.39
16.0			12.08 x 9.01	8.88 x 6.62
16.5				9.18 x 6.85
17.0				9.49 x 7.07
17.5				9.80 x 7.30
18.0				10.10 x 7.53
18.5				10.41 x 7.76
19.0				10.71 x 7.99
19.5				11.02 x 8.22
20.0				11.33 x 8.45

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