

Cost Effective Car Parking Detection

CarparkCam™



Product Code: FC-CPC01

AI POWERED VEHICLE PARKING GUIDANCE CAMERA

- Occupancy monitoring up to 6 parking spaces
- Real-time Occupancy Detection
- RGB Light Indication for Parking Lot Status
- Wireless Configuration with Bluetooth (BLE)
- Live and Historical Data Monitoring
- Available metrics are occupancy count, parked duration, returning rate, parking space reservation, car model profiling.
- Easy integration with VMS system
- Excellent Lifespan MBTF 25 years

FIND YOUR CAR (NUMBER PLATE RECOGNITION)

- Car identification with LPR (licence plate recognition)
- Navigate through a map finder application from the digital kiosk to the car location (side parking is not applicable).

LOW INFRASTRUCTURE COST

- Using Star / Hierarchical Network Topology that connects the FootfallCam Centroid™ and 250 CarparkCam™ within the same network. With intelligently placed 24–48 port PoE+ (IEEE 802.3at) switches and fiber uplinks, this system delivers effortless wiring and up to 40% lower installation cost, ensuring high-performance surveillance with minimal infrastructure.
- Specially designed to fit for standard car park with ceiling heights 2.0m to 2.5m, allow apply drop pole for higher ceiling.
- Widest Coverage. Equipped with the high resolution 120-degree fisheye lens from both sides, supports up to 6 vehicles, reducing the total number of counters required.

EASY TO INSTALL AND SET UP

- One cable connection
- Can be mounted on small cable trunkings, cable trays, cable ladders, and drop poles.
- Lightweight and sturdy case material with glass fibre.
- 1-year Manufacturer Warranty

TECHNICAL DATA

Device Dimension (mm)	130 (W) x 74 (D) x 82 (H)
Packing Dimension (mm)	150 (W) x 90 (D) x 100 (H)
Weight	Device: 0.6 kg Packing: 0.86 kg
Camera	2x 3MP 1/3.2" CMOS Sensor with 120° Lens
Illumination	Minimum 20 lux (standard 75 Lux)
Response Rate	30 seconds to change the indicator
Indicator	RGB LED status indicator
Casing	Made by mixture Polyamide 6 (PA6) and 35% glass fibre reinforced. Combined with transparent and tough Polycarbonates (PC) material for Light Indicator.
Storage	Local TF card, up to 512G
Ideal Mounting Height	2.0 metres – 2.5 metres
Operating Environment	Temperature 10°C to 45°C, Humidity 10% to 90% Minimum Illumination of 75 Lux
Storage Environment	Temperature -40°C to 70°C, Humidity 10% to 95%
Detection Technology	Image segmentation, edge detection, background removal
Field Upgradable	N/A
Power Over Ethernet	Yes (IEEE802.3af)
Voltage	48–56 VDC
Power Consumption	Maximum 10W
Cabling	Cat5e/Cat6, 100Mbps
Origin	Made in the UK

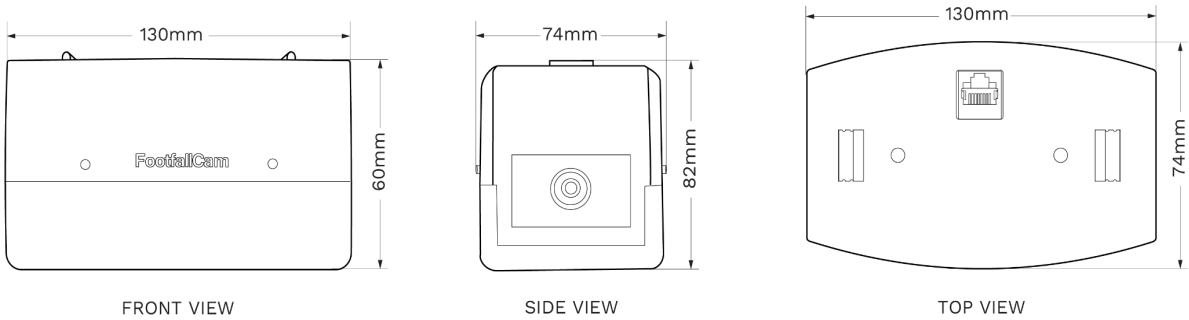
FIRMWARE SPECIFICATION FOR DEVICE LEVEL

Interface	Bluetooth
Operating System	
Ethernet	Yes
Data Delivery	BLE, Custom Protocol
Data Format	Encrypted communications
Firmware Feature	Camera Autofocus, Device Health Check
Data Upload to Server	Go through FootfallCam CentroidX™
Average Data Transfer Rate	10.0 kB/s

Do you need further information or have a question? Please visit www.footfallcam.com

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PRODUCT DIMENSION



COVERAGE TABLE

Ceiling Height (m)	Lane Type	Parking Type	Parking Lot
2.0 - 2.5	Single (3.6m width)	Parallel	1
2.0 - 2.5	Single (3.6m width)	Perpendicular	3
2.0 - 2.5	Double (6.0m width)	Parallel	2
2.0 - 2.5	Double (6.0m width)	Perpendicular	6

* The device is installed at distance of more than 2.0m away from the car, which may not be in the middle of the lane.

Notes:

1. Standard car park lot size is 2.5m x 5.0m.
2. For mounting height >2.50m, recommend using a drop pole when installing the device to the acceptable range.