

PXL-PK-OCC-PGC4M

4MP AUTOVISION Vehicle Parking Vision System



| Product Overview

The PXL-PK-OCC-PGC4M **AUTOVISION Vehicle Parking Vision System** with Indication Light is an AI-powered parking guidance camera designed for real-time parking space detection and license plate recognition. Available in **single-lens and dual-lens variants**, it can monitor up to 3 or 6 parking spaces respectively.

Featuring an **HD 4.0MP camera, 3D noise reduction**, smart detection software, and integrated **LED indication light**, the system provides reliable occupancy monitoring and parking guidance in low-light environments such as underground parking facilities. Optional iBeacon support further enables indoor positioning and navigation for enhanced driver convenience.

| Key Features

- ✓ Single or Dual-Lens Configurations
- ✓ Monitors Up To Six Parking Spaces
- ✓ AI-Powered ANPR & Space Detection
- ✓ 99.99% Parking Space Detection Accuracy
- ✓ 99.5% License Plate Recognition Accuracy
- ✓ 4MP Imaging with 3D Noise Reduction
- ✓ Real-Time Multi-Color Space Indicators
- ✓ Optional iBeacon Indoor Navigation Support

| TECHNICAL SPECIFICATION

CAMERA

Image Sensor	1/3" Progressive Scan CMOS
Minimum Illumination	Color: 0.012 Lux @ (F2.0, AGC ON); B/W: 0.00062 Lux @ (F2.0, AGC ON)
Shutter Speed	1 to 1/100,000 Second
Lens Options	2.8 mm / 4 mm (Optional)
Pan/Tilt Adjustment	Pan: -30° to 30°; Tilt: 0° to 30°
Field of View (FOV)	2.8 mm Lens: H 98°, V 53.1°, D 114.7°; 4 mm Lens: H 75.3°, V 41.4°, D 88.2°

LED INDICATOR

Indicator Colors	Red, Green, Yellow, Blue, Cyan, Magenta
Indicator Modes	Integrated Mode and Separation Mode
External Indicator Support	Up to 3 External Indicators
Indicator Flashing	Supported

COMPRESSION

Video Compression	H.265 / H.264 / MJPEG
Output Bit Rate	32 Kbps to 16 Mbps

IMAGE

Image Format	JPEG
Maximum Resolution	2560 × 1440
Video Standard	PAL
Frame Rate	PXL-PK-OCC-PGC4MS: 30 fps (NTSC) / 25 fps (PAL); PXL-PK-OCC-PGC4MD: 15 fps (NTSC/PAL)
Main Stream Resolution	Up to 2560 × 1440
Sub-Stream Resolution	PXL-PK-OCC-PGC4MS: Up to 2560 × 1440 PXL-PK-OCC-PGC4MD: Up to 720 × 576
Image Settings	Brightness, Contrast, Saturation, White Balance, Gain
Backlight Compensation	Supported, Selectable Areas

NETWORK

Storage	NAS (iSCSI Optional), Local Storage via Guidance Terminal HDD
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, 802.1X, QoS, HTTPS (SIP, RTP and IPv6 Optional)
General Functions	Flashing Filter, Dual Stream, Heartbeat, Mirror, Password Protection, Privacy Mask, Watermark, NTP Time Synchronization

* Technical specifications and images are subject to changes

| TECHNICAL SPECIFICATION

SMART FUNCTIONS

AI Analytics	Built-in Deep Learning Algorithm
ANPR	Supported
Parking Space Detection	Supported

INTERFACE

Ethernet Interface	2 × RJ45 10/100 Mbps Self-Adaptive Ethernet Ports
Power Interface	1 × Power Interface
External Indicator Interface	3 × External Indicator Interfaces

WIRELESS COMMUNICATION

iBeacon	Standard iBeacon Protocol Supported (PXL-PK-OCC-PGC4MS Model)
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GENERAL

Operating Temperature	-20°C to +50°C
Operating Humidity	<95% RH (Non-Condensing)
Protection Rating	IP54
Power Supply	PIXELab PoE or 12–24 VDC Wide-Range Voltage
Power Consumption	Single Lens: Max. 6.5 W; Dual Lens: Max. 10 W
Weight	500 g (1.1 lb)

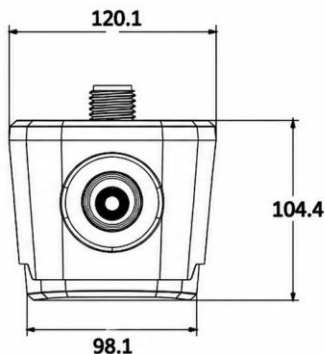
MODEL VARIANTS

PXL-PK-OCC-PGC4MS28	Single lens (2.8mm), monitors up to 3 parking spaces, built-in status indicator, optional iBeacon, external indicator control
PXL-PK-OCC-PGC4MS40	Single lens (4.0mm), monitors up to 3 parking spaces, built-in status indicator, optional iBeacon, external indicator control
PXL-PK-OCC-PGC4MD28	Dual lens (2.8mm), monitors up to 6 parking spaces, built-in status indicator, optional iBeacon, external indicator control

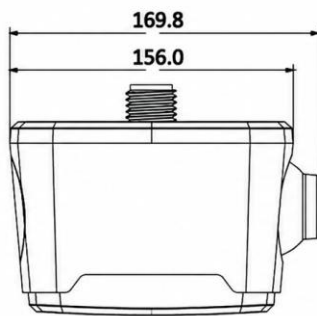
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| TECHNICAL SPECIFICATION

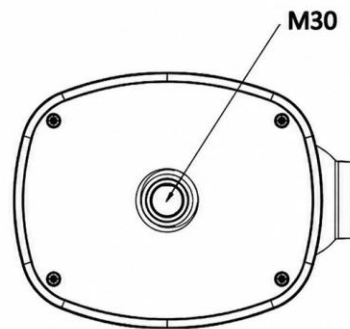
SINGLE LENS



Front View

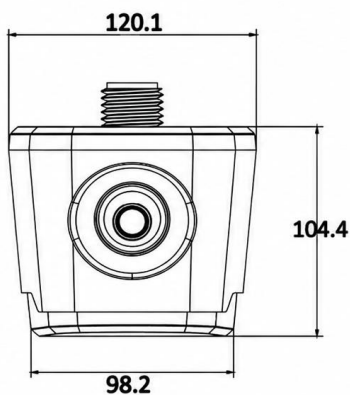


Side View

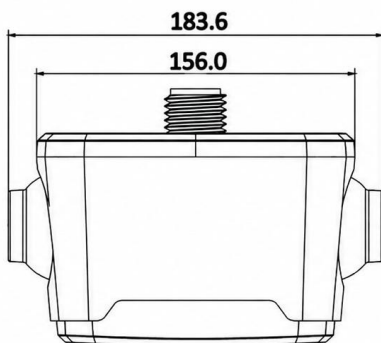


Top View

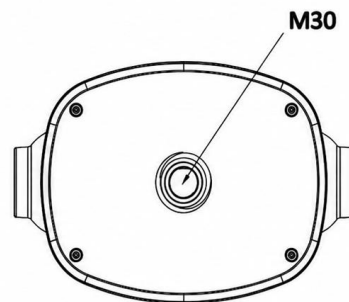
DUAL LENS



Front View



Side View



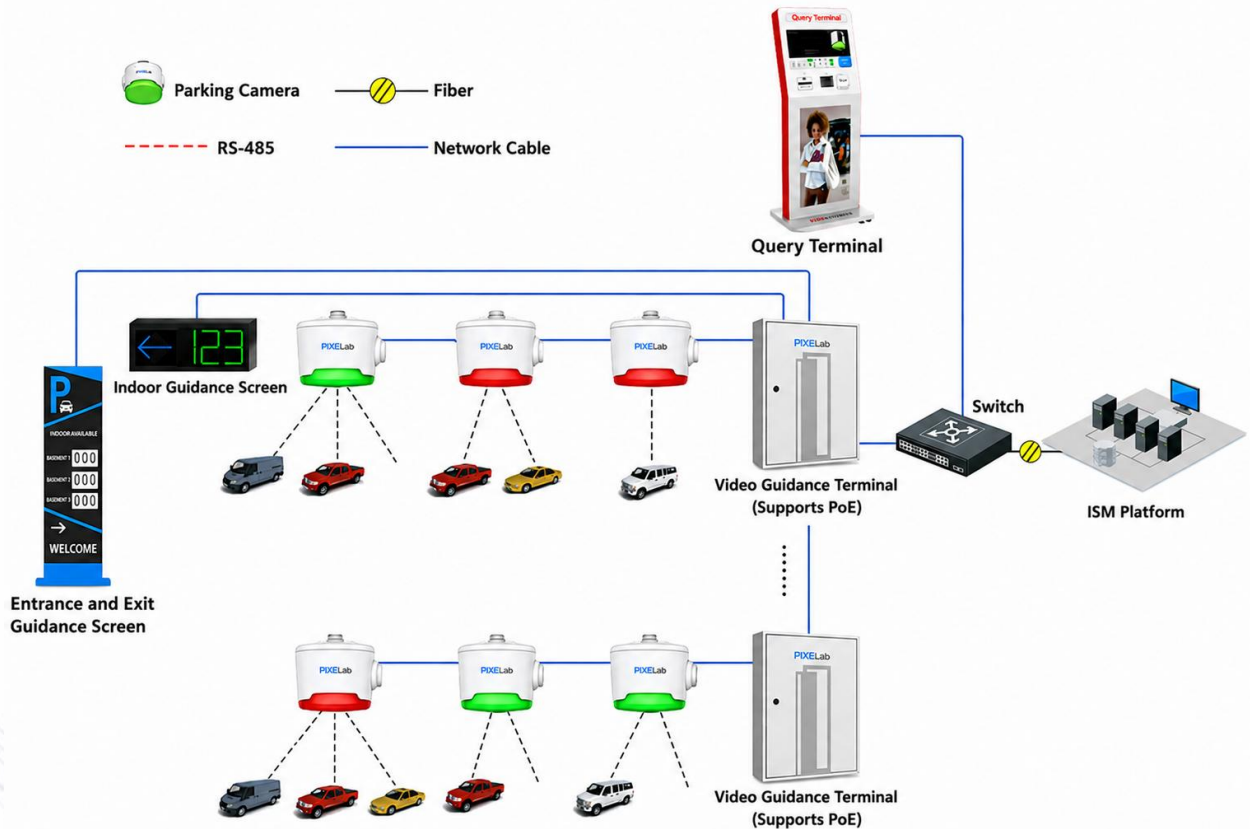
Top View

Unit: mm

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| TECHNICAL SPECIFICATION

SYSTEM ARCHITECTURE



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