L6Q quick-deploy license plate recognition camera system

Rapid install, rapid insights

The Motorola Solutions L6Q license plate reader gives you eyes on the road for added safety and security. Combining License Plate Recognition (LPR) technology with simple installation and ease of use, this camera can scan license plates on vehicles moving up to 100 mph (161 kmh) in its entire field of view, even in total darkness. Paired with VehicleManager Enterprise, the L6Q adds a layer of efficiency to your security and parking operations with patented analytics and configurable data-sharing capabilities.

Features

Quick deployment

Install, configure and activate the L6Q on your own within minutes. Mount it on almost any surface and complete the setup with the Mobile Companion app on your Android or iOS device.

Temperature & weather resistant

Install the L6Q in the hottest and coldest locations with its wide operating temperature range, while its IP67-rated design can withstand varying weather conditions such as rain and snow.

Solar, battery & AC/DC power options

Deploy the L6Q where needed with versatile power options, including solar, AC/DC, pole tap, as well as a swappable internal battery.

Get the right data

Configure the L6Q to trigger when vehicles move at specific speeds, up to 100 mph (161 km/h), and travel directions up to 75 ft (23m) away across multiple lanes, and capture the make, model and color.
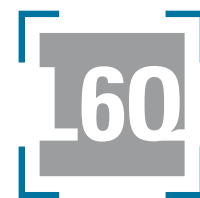
Tamper-proof with paintable shroud

The L6Q is built to be physically secure and to blend in with its surroundings by easily removing and painting its shroud.

Analytics

Benefit from an industry-leading software to manage hot lists and alerts, conduct advanced searches and run patented analytics such as association and location analysis and convoy identification.

Regional restrictions may apply.

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L6Q license plate reader

Detect

KEY SPECIFICATIONS

Camera performance	
Optimal Capture Distance	50 ft (15.2 m)
Capture Range	30 - 75 ft (9.1 - 22.9 m)
Capture Speed Maximum	100 mph (161 km/h) Performance Mode, 75 mph (121 km/h) Eco Mode
Field of View	24 ft (7.3 m) (multi-lane coverage)

Optics	
Sensor Type	2.1MP Starlight Sensor
Image Resolution	1920 x 1080px
Pulsed LED Illumination	850 nm

Housing	
Size (inc mounting ball)	5.0 x 2.4 x 7.1 in (127 x 62 x 180 mm)
Color	Black, with Paintable Shroud

Environmental	
Environmental Protection	IP67
Operational Temperature	-22 to +131°F (-30 to +55°C)

Solar panel power unit	
Power	45W
Battery Capacity	12 Ah
Cable Length	15 ft (4.6 m)
Connector	M12
Included Accessories	Mounting Bracket, Band Straps
Solar Panel Frame Dimensions	781.9 mm (W) x 470.6 mm (L) x 187.8 mm (D)
Solar Panel Bracket Dimensions	48.25 mm (W) x 250.4 mm (L) x 52.7 mm (D)
Weight	27lbs for Cat1 with two batteries, 35lbs for Cat3 with two batteries
Product Warranty	1 year (option to purchase up to 4) additional years)

Wireless interface	
Bluetooth	Bluetooth 5 LE
WiFi	802.11ac
Cellular	Internal LTE modem

Direct & battery power	
Direct Line Input Voltage	12V DC
Dual-Cell Battery	9.7 Ah (up to 20,000 scans on a single charge)
Power Consumption	9W maximum, 4W nominal

Camera accessories	
Description	Optional External Cellular Antenna, 120V AC Power Adapter, Expansion Solar Panel, Solar Power Extension Cord, Power Pole Tap, Multi Unit Charger - 3 or 6 internal battery packs

Specifications are subject to change

5 In, 126.74 Mm

2.4 In, 62 mm

7.1 In, 180.4 Mm

Shroud

Camera

Mounting bracket

Battery tray

Inputs cover

Learn more and find additional documentation at avigilon.com or email sales@avigilon.com for specific product support.

For more information, please visit avigilon.com/L6Q

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