

L6Q

Quick-deploy ANPR camera system

Safety should be simple. By combining sophisticated number plate recognition (NPR) with consumer-grade ease of installation, the L6Q camera system enables law enforcement agencies and businesses alike to better ensure the safety and security of the people they serve.

This next generation of quick-deploy ANPR camera includes a new, high-capacity, swappable internal battery along with solar and AC/DC direct line power options. Additionally, configuration and activation takes place from your Android or iOS smartphone using our Mobile Companion application.

Onboard the L6Q, radar-based triggering can be configured for only vehicles moving at specific speed thresholds and directions of travel to focus solely on the data you want. The long-range, integrated infrared (IR) illumination and a new starlight sensor enable you to scan vehicles even in complete darkness. And lastly, a tamper-proof design and paintable, removable shroud makes the L6Q physically secure while blending in with its surroundings.

Like all of our number plate recognition systems, the L6Q seamlessly connects with our suite of software solutions. This includes VehicleManager, where your data is retained and shared based on your preferences, as well as operationalized by our patented analytics and search capabilities.



Rapid install. Rapid insight.



Easily install out-of-box

Start scanning plates in a matter of minutes with only one person required to install, configure and activate the L6Q.



Get the data that matters

Configure the L6Q to collect the plate, make, model, color and speed data you need - in light and dark conditions.



Ready for any environment

Deploy the L6Q where and when it's needed without worrying about weather, security, power source or connectivity.



Amplify insight & awareness

Go beyond alerting and searching with patented analytics, complete control over data retention and broad sharing options.



L6Q

number plate reader

Key specifications

CAMERA PERFORMANCE	
Optimal Capture Distance	16 mm lens: 16.8 m (55 ft)
	25 mm lens: 22.9 m (75 ft)
Capture Range	16 mm lens: 9.1 - 22.9 m (30 - 75 ft)
	25 mm lens: 15.2 - 30.5 m (50 - 100 ft)
Capture Speed Maximum	161 km/h (100 mph)
Field of View	7.3 m (24 ft) (multi-lane coverage)
OPTICS	
Sensor Type	2.1 MP starlight sensor
Image Resolution	1920px x 1080px
Pulsed LED Illumination	16mm: 730 nm (general usage) or 850 nm (covert)
	25mm: 730 nm
SOLAR PANEL POWER UNIT	
Power	45W base kit/plus 45W expansion kit
Battery Capacity	45W Solar Kit: 2 x 12 Ah or 2 x 18 Ah base; with added expansion kit 4 x 12 Ah or 4 x 18 Ah
Cable length	4.6 m (15 ft)
Connector	M12
Included Accessories	Mounting bracket, band straps
Weight	45W Cat 1 Hurricane: 12.2 kgs; 24.5 kgs with expansion solar kit
	45W Cat 3 Hurricane: 15.9 kgs; 31.8 kgs with expansion kit
Product Warranty	5 years



HOUSING	
Size (including mounting ball)	127 x 62 x 180 mm (5.0 x 2.4 x 7.1 in)
Color	Black, with paintable shroud
WIRELESS INTERFACE	
Bluetooth	Bluetooth 5 LE
WiFi	802.11ac
Cellular	Internal LTE modem
Direct Line Input Voltage	12V DC
Dual-Cell Battery	9.7 Ah
Power Consumption	9W maximum, 4W nominal
CAMERA ACCESSORIES	
Description	External Cellular Antenna, 120V AC Power Adapter, Expansion Solar Panel, Solar Power Extension Cord, Power Pole Tap





To learn more, visit motorolasolutions.com/L6Q



Motorola Solutions UK Ltd. Nova South, 160 Victoria Street, London, SW1E 5LB, United Kingdom.

MOTOROLA, MOTO, MOTOROLA SOLUTIONS and the Stylized M Logo are trademarks or registered trademarks of Motorola Trademark Holdings, LLC and are used under license. All other trademarks are the property of their respective owners. ©2025 Motorola Solutions, Inc. All rights reserved. 10-2025 [ES13]