

 **MOTOROLA SOLUTIONS**
L6Q LPR
Camera
System



MOTOROLA L6Q LPR Camera System User Guide

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MOTOROLA L6Q LPR Camera System



Product Usage Instructions

Setting Up Your L6Q Camera System

To set up your L6Q camera system, follow these steps:

1. Choose the appropriate L6Q camera kit based on your power source preference and model type.
2. Install the camera in a suitable location with a clear view of the area you want to monitor.
3. Download and install the Mobile Companion app on your Android or iOS device for remote access.
4. For additional features like LPR data analytics and alerting, consider integrating with VehicleManager Enterprise or LinC.

Optional Service Packages and Accessories

Enhance your L6Q camera system with optional service packages and accessories:

- Purchase the L6Q service package for additional support and maintenance.
- Add optional extended warranty and replacement plans for peace of mind.
- Explore optional accessories like power supplies, cables, and solar panel expansions.
- Consider purchasing cellular plans, SIM cards, and communication boxes for connectivity options.

FAQ

Frequently Asked Questions

- **Q:** Can the L6Q camera system be used in both indoor and outdoor environments?
 - **A:** Yes, the L6Q camera system is designed for both indoor and outdoor use, providing versatility in

surveillance applications.

- **Q:** How do I change the settings or view footage from the L6Q camera?
 - **A:** Use the Mobile Companion app to access and control your L6Q camera system settings, view live footage, and review recorded videos remotely.
- **Q:** What is the maximum range of the L6Q camera's license plate scanning capability?
 - **A:** The L6Q camera can scan license plates on vehicles moving up to 100 mph within its entire field of view, ensuring efficient monitoring even at high speeds.

With the Motorola Solutions L6Q LPR camera system, safety is simplicity. This extends to the ordering process. This guide is your resource to understanding the required parts and options for setting up your ideal L6Q camera system when purchasing through Avigilon.

Introduction to the L6Q LPR camera system

Rapid install. Rapid insights.



L6Q camera

Quick-deploy LPR camera



VehicleManager Enterprise *

LPR data analytics and alerting platform



Mobile Companion app

LPR mobile app for Android and iOS devices



LinC


Video-based LPR integration with other security cameras

* NA only; ClientPortal for international countries

L6Q hardware


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.

Choose your L6Q camera kit (solar or power) and model (purchase or subscription)

L6Q FIXED LPR SUBSCRIPTION PACKAGE – (120V AC) WITH CELLULAR	
PART NUMBER	LPR-VSFS-L6Q-P-SUB
DETAILS	<p>Hardware subscription includes:</p> <ul style="list-style-type: none"> • One (1) L6Q small form-factor camera • Two (2) 9.7 Ah internal batteries, 120VAC power cable • Mounting bracket, USB-C cable, USB-C to USB-A adapter & Micro SD card <p>Subscription includes (software/services):</p> <ul style="list-style-type: none"> • VehicleManager or VehicleManager Enterprise hosted LPR account (data, alerting and analytics) • All CarDetector LPR software updates • Unlimited Mobile Companion (for Android or iPhone) single plate scan • SIM card with cellular service (pre-configured) • Annual hardware warranty <p>Requires 5-year Enterprise Service Agreement (ESA) commitment Note: Professional installation services sold separately</p>
PHOTOS	

Notes:

- Part number is for year 1 only with additional years billed annually
- May prepay additional subscription years: LPR-PREPAID-L6Q-S
- May purchase camera replacement plan during subscription period which covers theft and vandalism: LPR-REPPLAN-01 and LPR-PP-REPPLAN-01

L6Q FIXED LPR SUBSCRIPTION PACKAGE – (SOLAR) WITH CELLULAR	
PART NUMBER	LPR-VSFS-L6Q-S-SUB
DETAILS	<p>Hardware subscription includes:</p> <ul style="list-style-type: none"> • One (1) L6Q small form-factor camera with two (2) 9.7 Ah internal batteries • Mounting bracket, USB-C cable, USB-C to USB-A adapter & Micro SD card • Solar Kit with 40W solar panel, charge controller & two (2) 18Ah batteries • Solar battery charge cable <p>Subscription includes (software/services):</p> <ul style="list-style-type: none"> • VehicleManager or VehicleManager Enterprise hosted LPR account (data, alerting and analytics) • All CarDetector LPR software updates • Unlimited Mobile Companion (for Android or iPhone) single plate scan • SIM card with cellular service (pre-configured) • Annual hardware warranty <p>Requires 5-year Enterprise Service Agreement (ESA) commitment Note: Professional installation services sold separately</p>
PHOTOS	

Notes:

- Part number is for year 1 only with additional years billed annually
- May prepay additional subscription years: LPR-PREPAID-L6Q-S
- May purchase camera replacement plan during subscription period which covers theft and vandalism: LPR-REPPLAN-01 and LPR-PP-REPPLAN-01
- Recommend purchase of AC power pack for cameras that may be moved regularly: LPR-VS-L6Q-120VAC

ANNUAL PREPAID SUBSCRIPTION WITH CELLULAR – 1 L6Q CAMERA VIA 1 YEAR	
PART NUMBER	LPR-PREPAID-L6Q-S
DETAILS	<ul style="list-style-type: none"> Continued cellular service 12-month hardware warranty coverage 12 months of data hosting of customer generated LPR records per the customer-defined retention policy Continued use of VehicleManager or VehicleManager Enterprise analytic and management tools

Notes:

- Prepaid subscription is for years 2+
- If not prepaid then subscription is billed annually
- Pre pays subscription for both solar and power options

L6Q QUICK DEPLOY CAMERA (12 VDC KIT) PURCHASE	
PART NUMBER	LPR-VSF-L6Q-P-KIT
DETAILS	<ul style="list-style-type: none"> One (1) L6Q camera with two 9.7Ah internal batteries, 120VAC Power Supply Camera mounting bracket USB-C cable and USB-C to USB-A adapter, Micro SD card
PHOTOS	

L6Q QUICK DEPLOY CAMERA (SOLAR KIT) PURCHASE	
PART NUMBER	LPR-VSF-L6Q-S-KIT
DETAILS	<ul style="list-style-type: none"> One (1) L6Q camera with two (2) Lex-11 high capacity 9.7 Ah internal batteries Solar Kit (45W solar panel, dual battery mounting bracket, charge controller, two (2) 18 Ah batteries, cable with M12 power connector) L6Q solar battery charge cable Camera mounting bracket USB-C cable and USB-C to USB-A adapter, Micro SD card
PHOTOS	

Notes:

- Camera license required for camera purchase. License is billed annually per camera per year: LPR-VSBSCSVC-L6Q
- Cellular not included. Sim card sold separately
- One year warranty included with additional years of warranty for purchase: LPR-CDFS-L6Q-HWW-01

L6Q service package

Purchase the L6Q service package

L6Q SERVICE PACKAGE	
PART NUMBER	LPR-VSBSCSVC-L6Q
DETAILS	<ul style="list-style-type: none"> L6Q service package for hosted/managed LPR deployments Includes unlimited data store and firmware updates

Notes:

- If the purchase option is selected, a separate camera license is required for each L6Q connected to VehicleManager Enterprise

L6Q extended warranty and replacement plans

Add optional extended warranty and replacement plans



FIXED L6Q CAMERA SYSTEM – EXTENDED HARDWARE WARRANTY – 1 ADDITIONAL YEAR (YEAR 1 INCLUDED WITH CAMERA)	
PART NUMBER	LPR-CDFS-L6Q-HWW-01
DETAILS	<ul style="list-style-type: none"> Fixed L6Q camera system extended hardware warranty One (1) additional year (Year 2)
FIXED L6Q CAMERA SYSTEM – EXTENDED HARDWARE WARRANTY – 2 ADDITIONAL YEARS	
PART NUMBER	LPR-CDFS-L6Q-HWW-02
DETAILS	<ul style="list-style-type: none"> Fixed L6Q camera system extended hardware warranty Two (2) additional years
FIXED L6Q CAMERA SYSTEM – EXTENDED HARDWARE WARRANTY – 3 ADDITIONAL YEARS	
PART NUMBER	LPR-CDFS-L6Q-HWW-03
DETAILS	<ul style="list-style-type: none"> Fixed L6Q camera system extended hardware warranty Three (3) additional years
FIXED L6Q CAMERA SYSTEM – EXTENDED HARDWARE WARRANTY – 4 ADDITIONAL YEARS	
PART NUMBER	LPR-CDFS-L6Q-HWW-04
DETAILS	<ul style="list-style-type: none"> Fixed L6Q camera system extended hardware warranty Four (4) additional years
L6Q ANNUAL REPLACEMENT PLAN	
PART NUMBER	LPR-L6Q-REPPLAN
DETAILS	<p>Annual replacement plan covers loss due to theft, vandalism and/or natural disasters only</p> <ul style="list-style-type: none"> Not covered under standard / extended manufacturer warranty Replacement is limited to once annually \$499 for any additional camera replacements Covers year 1, must be co-terminus with hardware warranty Replacement plan is per camera
PREPAID ANNUAL SERVICE – REPLACEMENT PLAN WARRANTY	
PART NUMBER	LPR-PP-REPPLAN-01
DETAILS	<ul style="list-style-type: none"> Prepaid replacement plan warranty for years 2-5 Applies to all cameras on quote/order

Notes:

- Extended warranty does not cover acts of vandalism or theft
- One (1) year warranty is included with the purchase of a camera
- Must be under first year manufacturer warranty or extended warranty to purchase plans

L6Q accessories

Add optional accessories

L6Q 120V AC EXTERNAL POWER SUPPLY	
PART NUMBER	LPR-VS-L6Q-120VAC
DETAILS	<ul style="list-style-type: none"> • 15FT 120V AC power supply for L6Q camera system • This may be used in locations that have a 120V AC power source (3 prong grounded power outlet)
PHOTOS	
L6Q 12V DC POWER CABLE	
PART NUMBER	LPR-VS-L6Q-12VDC
DETAILS	<ul style="list-style-type: none"> • 15FT 12V DC power cable for L6Q camera system • May be used in locations that have a 12V DC power source (landscape lighting, etc)
PHOTOS	
L6Q SOLAR PANEL EXPANSION ONLY – NO BATTERY	
PART NUMBER	LPR-VS-L6Q-40WSP

DETAILS	<ul style="list-style-type: none"> • L6Q 45W Solar Panel Expansion • Y cable to tether to primary panel • Batteries not included
PHOTOS	



Notes:

- This item is the secondary solar panel only, no batteries included
- The solar panel is connect to the main panel, which would have 2 batteries
- The secondary panel would be used to generate power more quickly due to limited sunlight, etc

L6Q cellular plans, sim cards and communication boxes

Purchase an optional cellular plan, sim card and/or communications box

ANNUAL CELLULAR DATA PLAN (WITH SIM)	
PART NUMBER	LPR-VERIZON-NANO-SIM
DETAILS	<ul style="list-style-type: none"> • Includes SIM card with unlimited data plan • Universal snap out Normal / Nano / Micro SIM • Valid for one year from shipment • This part number would be used for the first year of service

PHOTOS	
ANNUAL VERIZON SIM RENEWAL	
PART NUMBER	LPR-VZ-NSIM-REN
DETAILS	<ul style="list-style-type: none"> • Annual renewal for SIM card with unlimited data plan • Valid for one year • This part number would be used as a prepaid service for years 2+
PHOTOS	
FIXED CAMERA COMMUNICATIONS BOX	
PART NUMBER	LPR-BCAV1F2-C600
DETAILS	<ul style="list-style-type: none"> • Linux Comms Box using VLP5200 • Manages power and communications for up to four (4) fixed LPR cameras • Includes modem for communication with cellular carriers • SIM Card not included

Misc

SHIPPING CHARGES – FIXED OR COMMS	
PART NUMBER	LPR-VS-SHP-02
DETAILS	<ul style="list-style-type: none"> • Applies to each fixed camera LPR System OR communications box purchased without LPR system • Shipping method is FOB Shipping • Shipping part number is required per camera purchase

VehicleManager Enterprise

VehicleManager Enterprise is a vehicle location intelligence solution that builds upon the basics of LPR with patented, powerful analytics to help your team instantly transform license plate recognition data into actionable insights. Manage hot lists and alerts, run plate searches and more. Foster public-private partnerships with its Avigilon Unity Video integration.


Power up your L6Q with VehicleManager Enterprise

HOSTED AND MANAGED ACCOUNT WITHIN VEHICLEMANAGER ENTERPRISE FOR NON-LAW ENFORCEMENT ENTITIES	
PART NUMBER	LPR-VS-CLIENTPORTAL-H
DETAILS	<ul style="list-style-type: none"> • VehicleManager Enterprise account for management of client-owned LPR data, systems and use of patented analytic tools • Access to ClientPortal for management of users, data sharing and access control permissions • ClientPortal account will be used for administrative purposes only, all analytics will be run through VehicleManager Enterprise • If a user doesn't have an existing account, this part number must be included
LAW ENFORCEMENT-MANAGED VEHICLEMANAGER ACCOUNT	
PART NUMBER	LPR-VS-LEARN-H
DETAILS	<ul style="list-style-type: none"> • Hosted/managed VehicleManager account • Central repository for all LPR data acquired by each LPR system • Includes suite of LPR data analytics via online web access • Automated CarDetector software update management • Plate searching, mapping, data mining utilities • Stakeout, Associate Analysis and Locate Analysis • Full administrative security with management auditing • Plug-N-Play and unlimited number of CarDetector LPR systems • Requires NO server hardware, NO server maintenance • Requires Enterprise Service Agreement (ESA) contract

Notes:


- Requires opportunity registration prior to sale
- Need to check for current legislation that may impact the sale of this product into the government space. There is legislation throughout the U.S. that governs the use of LPR within law enforcement. For any questions, contact: kyle.hoertsch@motorolasolutions.com


NON-LAW ENFORCEMENT VEHICLEMANAGER ENTERPRISE ACCOUNT	
PART NUMBER	LPR-VS-CP-B
DETAILS	<ul style="list-style-type: none"> • Only used when user wants shared data and has no product of their own • VehicleManager Enterprise account for management of client-owned LPR data, systems and use patented analytic tools • Access to ClientPortal for management of users, data sharing and access control permissions • There is a charge for account maintenance since this part number has no other data generating equipment/software tied to it
HOSTED LPR VEHICLEMANAGER ENTERPRISE ACCOUNT – API SERVICE	
PART NUMBER	LPR-VS-CP-API
DETAILS	<ul style="list-style-type: none"> • VehicleManager Enterprise API data service • Used for Plate Query or TAS • Billed annually, auto-renewing subscription service
HOSTED LPR LEARN ACCOUNT – API SERVICE	
PART NUMBER	LPR-LEARN-API
DETAILS	<ul style="list-style-type: none"> • TAS and Plate Query API • These APIs are to allow ad-hoc plate queries and request hits from the VehicleManager platform • Excludes data replication • API allows for third-party system integration

L6Q SOLAR BATTERY CHARGE CABLE	
PART NUMBER	LPR-VS-L6Q-BATTCHRG12V4A
DETAILS	<ul style="list-style-type: none"> • 12V, 4A battery charger with 2-pin output plug • Used to charge the battery without solar panel
PHOTOS	

Notes:


- This item is included in any solar camera kit or when an additional battery is purchased: LPR-VS-L6Q-SPEB

L6Q EXTERNAL LTE ANTENNA	
PART NUMBER	LPR-VS-L6Q-EANT
DETAILS	<ul style="list-style-type: none"> • External LTE Antenna to increase camera LTE signal strength • Connects to camera via SMA connector
PHOTOS	

L6Q SOLAR PANEL EXPANSION BATTERY ONLY	
PART NUMBER	LPR-VS-L6Q-SPEB
DETAILS	<ul style="list-style-type: none"> • Additional 12V 18Ah expansion battery • Solar Battery Expansion Y cable • 12V, 4A battery charger with 2-pin output plug • Used to charge the battery without solar panel
PHOTOS	

Notes:

- All solar panels are shipped with 2 batteries except LPR-VS-L6Q-40WSP
- This part number is not needed when ordering solar kits as the build of materials include 2 batteries

L6Q SOLAR PANEL PRIMARY KIT	
PART NUMBER	LPR-VS-L6Q-SPPK
DETAILS	<ul style="list-style-type: none"> • Solar Kit with 45W solar panel, charge controller and (2) 18 Ah battery • Used to convert a power kit to a solar kit • Cannot be used to expand existing solar kit
PHOTOS	

Notes:

- This is a complete OEM solar panel kit shipped with the L6Q when the solar option is ordered

- Kit could be used to turn an L6Q power kit (120VAC) into solar

L6Q POLE POWER TAP	
PART NUMBER	LPR-VS-L6Q-POLE-PWR-TAP
DETAILS	<ul style="list-style-type: none"> • 100-277VAC to 12VDC • 25ft cable • Street light photocell connection to M12 connector directly to L6Q
PHOTOS	

Notes:

- Connects directly to the L6Q camera
- Will charge internal batteries for intermittent power locations

L6Q RAPID-DEPLOYMENT CARRY CASE	
PART NUMBER	LPR-VS-L6Q-SFT-CASE
DETAILS	<ul style="list-style-type: none"> • Portable Soft Case For L6Q
PHOTOS	

LinC & Avigilon LPR Integration

For value-oriented users that are interested in LPR, LinC integrates Motorola Solutions’ LPR technology with your existing Avigilon or third-party cameras, so you can find vehicles of interest faster and uncover transformative insights – all with the systems you already have in place.

Integrate Motorola Solutions LPR technology with existing cameras

LINC SOFTWARE – SINGLE COMPETITIVE CAMERA LPR LICENSE – EDGE PROCESSING FOR MOTOROLA SOLUTIONS-HOSTED LPR SERVER	
PART NUMBER	LPR-3PC-1EL
DETAILS	<ul style="list-style-type: none"> • Annual single camera license for 3rd party camera with edge processing • Edge processing device sold separately • LinC software used to scan plates on existing video streams or 3rd party camera • This part number is used when there are single cameras connected to edge servers at multiple locations
LINC SOFTWARE – SINGLE COMPETITIVE CAMERA LPR LICENSE – CENTRAL PROCESSING FOR MOTOROLA SOLUTIONS-HOSTED LPR SERVER	
PART NUMBER	LPR-3PC-1SL
DETAILS	<ul style="list-style-type: none"> • Annual single camera license for 3rd party camera with central server processing • Central server sold separately • LinC software used to scan plates on existing video streams or 3rd party camera • This part number is used when there are single cameras connected to a central server with multiple cameras • This would be used for traditional VMS systems where the user wants to pull and RTSP stream and scan visible plates
PREPAID ANNUAL SERVICE – COMPETITIVE CAMERA LPR LICENSE (EDGE)	
PART NUMBER	LPR-PP-3PC-1EL
DETAILS	<ul style="list-style-type: none"> • Prepaid license for one (1) year for competitive LPR camera • Applicable for cameras with 'Edge' LPR processing • This part number would be used as a prepaid license after using the initial license part number for the first year: LPR-3PC- 1EL
PREPAID ANNUAL SERVICE – COMPETITIVE CAMERA LPR LICENSE (SERVER)	
PART NUMBER	LPR-PP-3PC-1SL
DETAILS	<ul style="list-style-type: none"> • Prepaid license for one (1) year for competitive LPR camera • Applicable for cameras with 'Server' LPR processing • This part number would be used as a prepaid license after using the initial license part number for the first year: LPR-3PC- 1SL

AVIGILON CAMERA INTEGRATION – PER CAMERA PER YEAR LICENSE	
PART NUMBER	LPR-ACI-01
DETAILS	<ul style="list-style-type: none"> • One (1) Avigilon Camera Integration with existing VehicleManager Enterprise Account. • Mapping of one (1) Avigilon Camera to one (1) VehicleManager Enterprise System for filtering and searching functionalities. • Storage of integrated detection data for up to ten (10) years in VehicleManager Enterprise back office. • Used with Avigilon Unity Video 8.0 and older with existing ACC LPR license • Requires VehicleManager (law enforcement) or VehicleManager Enterprise Account • All Unity Video users can directly feed data to VehicleManager or VehicleManager Enterprise

Mobile Companion

Mobile Companion transforms your mobile device into a powerful, secure LPR data collection, analysis and alerting tool – increasing productivity and insights, anywhere you go.

Add-on's for the Mobile Companion app

MULTI-PLATE UPGRADE SINGLE USER LICENSE (WITH LICENSED HARDWARE)	
PART NUMBER	LPR-VS-MC-MP-H
DETAILS	<ul style="list-style-type: none"> • Mobile Companion license upgrade for one (1) user • Upgrade allows unlimited use of multi-plate scan feature • Requires existing Mobile Companion license • Priced per license • Billed annually as a subscription • This part number is not required for L6Q set-up; basic features in app are included with camera purchase

Notes:

- This part number would be used for any user who has additional LPR products actively (or will on the same purchase) generating LPR data
- Concurrent licensing which allows for a total number of users to be on the app scanning at the same time. For example: A security company has 50 guards but only 10 of them are on duty at a time; only 10 licenses would be required.

MOBILE COMPANION APP + MULTI-PLATE SINGLE USER LICENSE (WITHOUT LICENSED HARDWARE)	
PART NUMBER	LPR-VS-MC-MP-S
DETAILS	<ul style="list-style-type: none"> One (1) Concurrent Mobile Companion User License Unlimited use of multi-plate scan feature Requires LEARN and/or ClientPortal account Priced per license Billed annually as a subscription This part number is not required for L6Q set-up; basic features in app are included with camera purchase

Notes:

- This part number would be used with any user who has no other LPR products and is purchasing the Mobile Companion app with multi-plate scanning as the sole product


More Information

Need help putting together your LPR system?

- [Connect with our team of experts today.](#)

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Documents / Resources

	<p>MOTOROLA L6Q LPR Camera System [pdf] User Guide</p> <p>LPR-VSFS-L6Q-P-SUB, LPR-VSFS-L6Q-S-SUB, LPR-PREPAID-L6Q-S, LPR-VSF-L6Q-P-KIT, LPR-VSF-L6Q-S-KIT, LPR-VSBSCSVC-L6Q, LPR-CDFS-L6Q-HWW-01, LPR-CDFS-L6Q-HWW-02, LPR-CDFS-L6Q-HWW-03, LPR-CDFS-L6Q-HWW-04, L6Q LPR Camera System, L6Q, LPR Camera System, Camera System, System</p>
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References

- [Contact Sales - Avigilon](#)
- [User Manual](#)

