© MOTOROLA SOLUTIONS
LPR-VSFS-L6Q-P-SUB
Deploy License Plate
Recognition Camera
System



MOTOROLA SOLUTIONS LPR-VSFS-L6Q-P-SUB Deploy License Plate Recognition Camera System Instruction Manual

Home » Motorola Solutions » MOTOROLA SOLUTIONS LPR-VSFS-L6Q-P-SUB Deploy License Plate Recognition Camera System Instruction Manual ₺

Contents

- 1 MOTOROLA SOLUTIONS LPR-VSFS-L6Q-P-SUB Deploy License Plate Recognition Camera System
- 2 Specifications
- 3 Product Usage Instructions
- 4 FAQ
- 5 Introduction
- 6 L6Q hardware
- 7 L6Q service package
- 8 L6Q extended warranty and replacement plans
- 9 L6Q accessories
- 10 VehicleManager Enterprise
- 11 LinC & Avigilon LPR Integration
- 12 Mobile Companion
- **13 CONTACT**
- 14 Documents / Resources
 - 14.1 References



MOTOROLA SOLUTIONS LPR-VSFS-L6Q-P-SUB Deploy License Plate Recognition Camera System



Specifications

- Camera System: Motorola Solutions L6Q License Plate Reader
- Compatibility: Avigilon
- Features: License Plate Recognition (LPR) technology, rapid installation, LPR data analytics, mobile app support, video-based LPR integration
- Maximum Speed for Plate Scanning: Up to 100 mph (161 km/h)

Product Usage Instructions

- The Motorola Solutions L6Q LPR camera system includes various components for setup.
- Choose the appropriate kit (solar or power) and model based on your requirements.
- Follow the installation instructions provided with the selected kit (solar or power).
- Ensure the camera has a clear view of the area you want to monitor.
- Once installed, configure the camera settings such as motion detection, alert notifications, and image quality through the VehicleManager Enterprise or Mobile Companion app.
- You can enhance your L6Q camera system with optional accessories like external power supplies, solar panel expansions, and cellular communication boxes.
- Refer to the product manual for compatibility details.

FAQ

- Q: Can the L6Q camera system be used in low-light conditions?
- A: Yes, the L6Q camera system can scan license plates in total darkness due to its advanced technology.
- Q: How fast can the L6Q camera scan license plates?
- A: The L6Q camera can scan license plates on vehicles moving up to 100 mph (161 km/h) within its field of

Motorola Solutions L6Q Ordering Guide for Avigilon

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

Introduction

- 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
	Hardware subscription includes:
	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 Subscription includes (software/services):
DETAILS	VehicleManager or VehicleManager Enterprise hosted LPR account (data, alerting, a nd analytics)
DETAILS	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
	Requires a 5-year Enterprise Service Agreement (ESA) commitment Note: Professional inst allation services are sold separately
PHOTOS	SIM Card verizon

- The 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
	Hardware subscription includes:
	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 Subscription includes (software/services):
DETAILS	VehicleManager or VehicleManager Enterprise hosted LPR account (data, alerting, a nd 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
	Requires a 5-year Enterprise Service Agreement (ESA) commitment Note: Professional inst allation services are sold separately
PHOTOS	SIM Card verizon verizon

- The 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	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

- 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	 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	 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) 1 8 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	RIVILLA MARIE MARI

- A camera license is required for camera purchase. License is billed annually per camera per year: LPR-VSBSCSVC-L6Q
- Cellular not included. Sim cards are 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	 L6Q service package for hosted/managed LPR deployments Includes unlimited data storage 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 IN CLUDED WITH CAMERA)	
PART NUMBER	LPR-CDFS-L6Q-HWW-01
DETAILS	 Fixed L6Q camera system extended hardware warranty One (1) additional year (Year 2)
FIXED L6Q CAME	RA SYSTEM – EXTENDED HARDWARE WARRANTY – 2 ADDITIONAL YEARS
PART NUMBER	LPR-CDFS-L6Q-HWW-02
DETAILS	 Fixed L6Q camera system extended hardware warranty Two (2) additional years
FIXED L6Q CAME	RA SYSTEM – EXTENDED HARDWARE WARRANTY – 3 ADDITIONAL YEARS
PART NUMBER	LPR-CDFS-L6Q-HWW-03
DETAILS	 Fixed L6Q camera system extended hardware warranty Three (3) additional years
FIXED L6Q CAME	RA SYSTEM – EXTENDED HARDWARE WARRANTY – 4 ADDITIONAL YEARS
PART NUMBER	LPR-CDFS-L6Q-HWW-04
DETAILS	 Fixed L6Q camera system extended hardware warranty Four (4) additional years
L6Q ANNUAL REF	PLACEMENT PLAN
PART NUMBER	LPR-L6Q-REPPLAN
	 Annual replacement plan covers loss due to theft, vandalism, and/or natural disasters only Not covered under standard/extended manufacturer warranty Replacement is limited to once annually \$499 for any additional camera replacements
DETAILS	 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	 Prepaid replacement plan warranty for years 2-5 Applies to all cameras on quote/order

- 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
	15FT 120V AC power supply for L6Q camera system
DETAILS	This may be used in locations that have a 120V AC power source (3-prong grounded power outlet)
PHOTOS	ONA COUL-12 ONA C
L6Q 12V DC POW	/ER CABLE
PART NUMBER	LPR-VS-L6Q-12VDC
	15FT 12V DC power cable for L6Q camera system
DETAILS	May be used in locations that have a 12V DC power source (landscape lighting, etc)
PHOTOS	
L6Q SOLAR PANE	EL EXPANSION ONLY – NO BATTERY
PART NUMBER	LPR-VS-L6Q-40WSP
DETAILS	L6Q 45W Solar Panel Expansion
	Y cable to tether to the primary panel
	Batteries not included
PHOTOS	

- This item is the secondary solar panel only, no batteries are included
- The solar panel is connected 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 CELLULA	AR DATA PLAN (WITH SIM)
PART NUMBER	LPR-VERIZON-NANO-SIM
	Includes SIM card with unlimited data plan
	Universal snap-out Normal / Nano / Micro SIM
DETAILS	Valid for one year from shipment
	This part number would be used for the first year of service
PHOTOS	SIM Card verizon verizon
ANNUAL VERIZOI	N SIM RENEWAL
PART NUMBER	LPR-VZ-NSIM-REN
	Annual renewal for SIM card with unlimited data plan
DETAILS	Valid for one year
	This part number would be used as a prepaid service for years 2+
PHOTOS	SIM Card verizon verizon
FIXED CAMERA COMMUNICATIONS BOX	
PART NUMBER	LPR-BCAV1F2-C600
	Linux Comms Box using VLP5200
DETAILS	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	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 NUMB ER	LPR-VS-CLIENTPORTAL-H
DETAILS	 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 permi ssions 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 ENFORC	EMENT-MANAGED VEHICLE-MANAGER ACCOUNT
PART NUMB ER	LPR-VS-LEARN-H
	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
DETAILS	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

- 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 NUMB ER	LPR-VS-CP-B
DETAILS	Only used when the user wants shared data and has no product of their own
	VehicleManager Enterprise account for management of client-owned LPR data, and syst ems 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 NUMB ER	LPR-VS-CP-API
	VehicleManager Enterprise API data service
DETAILS	Used for Plate Query or TAS
	Billed annually, auto-renewing subscription service
HOSTED LPR LEARN ACCOUNT – API SERVICE	
PART NUMB ER	LPR-LEARN-API
	TAS and Plate Query API
DETAILS	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	 12V, 4A battery charger with 2-pin output plug Used to charge the battery without a solar panel
PHOTOS	

• 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	 External LTE Antenna to increase camera LTE signal strength Connects to the camera via SMA connector
PHOTOS	

L6Q SOLAR PANEL EXPANSION BATTERY ONLY	
PART NUMBER	LPR-VS-L6Q-SPEB
DETAILS	 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 a solar panel
PHOTOS	

- 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 includes 2 batteries

L6Q SOLAR PANEL PRIMARY KIT	
PART NUMBER	LPR-VS-L6Q-SPPK
DETAILS	 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	

- 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	 100-277VAC to 12VDC 25ft cable Street light photocell connection to M12 connector directly to L6Q
PHOTOS	

- 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	Portable Soft Case For L6Q
PHOTOS	

LinC & Avigilon LPR Integration

• For value-oriented users who 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 MOTORO LA SOLUTIONS-HOSTED LPR SERVER	
PART NUMB ER	LPR-3PC-1EL
DETAILS	 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 MOTO ROLA SOLUTIONS-HOSTED LPR SERVER	
PART NUMB ER	LPR-3PC-1SL
DETAILS	 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 NUMB ER	LPR-PP-3PC-1EL
DETAILS	 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 ANN	UAL SERVICE – COMPETITIVE CAMERA LPR LICENSE (SERVER)
PART NUMB ER	LPR-PP-3PC-1SL
DETAILS	 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 CAN	MERA INTEGRATION – PER CAMERA PER YEAR LICENSE
PART NUMB ER	LPR-ACI-01
	One (1) Avigilon Camera Integration with existing VehicleManager Enterprise Account.
DETAILS	Mapping of one (1) Avigilon Camera to one (1) VehicleManager Enterprise System for fil tering and searching functionalities.
	• Storage of integrated detection data for up to ten (10) years in VehicleManager Enterpris e 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 Enter prise

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 NUMB ER	LPR-VS-MC-MP-H
DETAILS	 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

- 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 NUMB ER	LPR-VS-MC-MP-S
	One (1) Concurrent Mobile Companion User License Lightwitted uses of multi-plate coan facture.
	Unlimited use of multi-plate scan feature
	Requires LEARN and/or ClientPortal account
DETAILS	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

Need help putting together your LPR system? Connect with our team of experts today

CONTACT

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Documents / Resources



MOTOROLA SOLUTIONS LPR-VSFS-L6Q-P-SUB Deploy License Plate Recognition Camera System [pdf] Instruction Manual

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-VSFS-L6Q-P-SUB Deploy License Plate Recognition Camera System, LPR-VSFS-L6 Q-P-SUB, Deploy License Plate Recognition Camera System, License Plate Recognition Camera System, Plate Recognition Camera System, Recognition Camera System, System

References

User Manual

Manuals+, Privacy Policy

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