

# MOTOROLA SOLUTIONS L6Q CAMERA & VIGILANT CLIENTPORTAL

PARTNER OVERVIEW

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March 15, 2023



**MOTOROLA** SOLUTIONS



**AVIGILON**

# AGENDA

- INTRODUCTION
- PRODUCT OVERVIEW
- ACC INTEGRATION
- TECHNICAL OVERVIEW
- PRODUCT AVAILABILITY
- Q&A



# MEET THE L6Q

EASY DEPLOYMENT



## INTRODUCING THE L6Q CAMERA SYSTEM

Next-generation quick-deploy license plate recognition designed for **rapid install** so you can get **rapid insights** where and when you need them to keep communities safer.

AVIGILON™

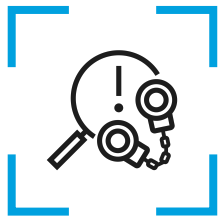




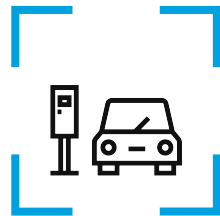
# CHALLENGES WE SOLVE



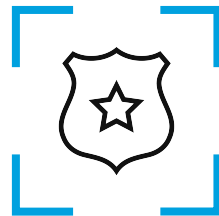
**LIMITED BUDGET AND  
RESOURCES**



**HIGH RATE OF PROPERTY  
CRIME AND LIMITED CASE  
CLOSURES**



**RESTRICTING PARKING AND  
DETECTING VEHICLES ON  
BOLO LISTS**



**DIFFICULTY SHARING LICENSE  
PLATE DATA CAPTURED WITH  
OTHER SITES AND LAW  
ENFORCEMENT**



# TARGET MARKETS



**EDUCATION**



**HEALTHCARE**



**RETAIL**



**BANKING**



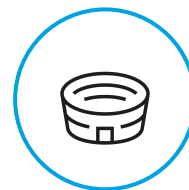
**CASINOS**



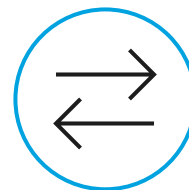
**PRISONS**



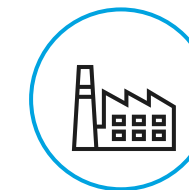
**TRANSPORTATION**



**STADIUMS**



**PUBLIC-PRIVATE  
PARTNERSHIPS**



**CRITICAL  
INFRASTRUCTURES**



# PRODUCT OVERVIEW

KEY SELLING POINTS & USE CASES



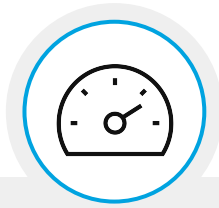
# KEY SELLING POINTS



## EASY INSTALL OUT-OF-BOX

Start scanning vehicles in less than **20 minutes** with only one person required to install, configure and activate the L6Q.

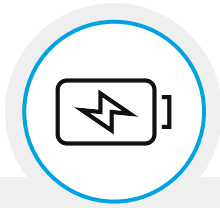
Mount the camera on almost **any surface** and complete its set up from a smartphone with the **Mobile Companion app**.



## GET THE DATA THAT MATTERS

Configure the L6Q to trigger when vehicles move at specific speeds, **up to 75 mph**, and directions, up to **75 feet away**, with multi-lane coverage.

Each scan collects valuable information like **make, model, color\*** and speed – in **light and dark** conditions.



## READY FOR ANY ENVIRONMENT

Deploy the L6Q where and when it is needed with its **IP67 weather rating, tamper-proof design, versatile power** options, and **flexible LTE** connectivity.

Customize your L6Q to blend in with its surroundings by painting the removable shroud.



## AMPLIFY INSIGHT AND AWARENESS

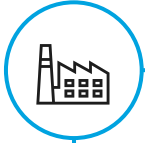
The L6Q comes with Vigilant ClientPortal software to **manage hot lists and alerts**, conduct advanced searches and run **patented analytics** such as association and location analysis and convoy identification.

Better yet, the software **integrates with Avigilon Control Center**.



# USE CASE

## CRITICAL INFRASTRUCTURE



A large utility company installs L6Qs at several power substations to identify individuals who may want to cause damage to them.



The Threat assessment team receives a daily report showing a vehicle has driven by 20 power substations over a large geographical area in 3 weeks. Investigations show the vehicle is tied to a person who has previously made vandalism threats against the company.



The team enters the plate in their LPR database as a vehicle of interest and notifies Law Enforcement (LE). Two nights later, the company and LE are notified the vehicle has entered a substation property. LE arrives at the location to find the individual within a restricted area with burglary tools and is arrested.



# USE CASE

## CASINO



A casino deploys L6Q cameras around the property to read and identify vehicles as they enter the premises. They also use the Vigilant ClientPortal to receive instant alerts when listed license plates enter the parking lot, whether it is a VIP guest or a banned individual.



One night, the L6Q camera, with its IR-enabled night vision, detects a vehicle that matches the description and license plate of a VIP guest and instantly alerts the security team.



The security team was able to be proactive and alerted the casino director, who greeted the VIP guest at a special entrance and directed them to the best gambling room.



AVIGILON





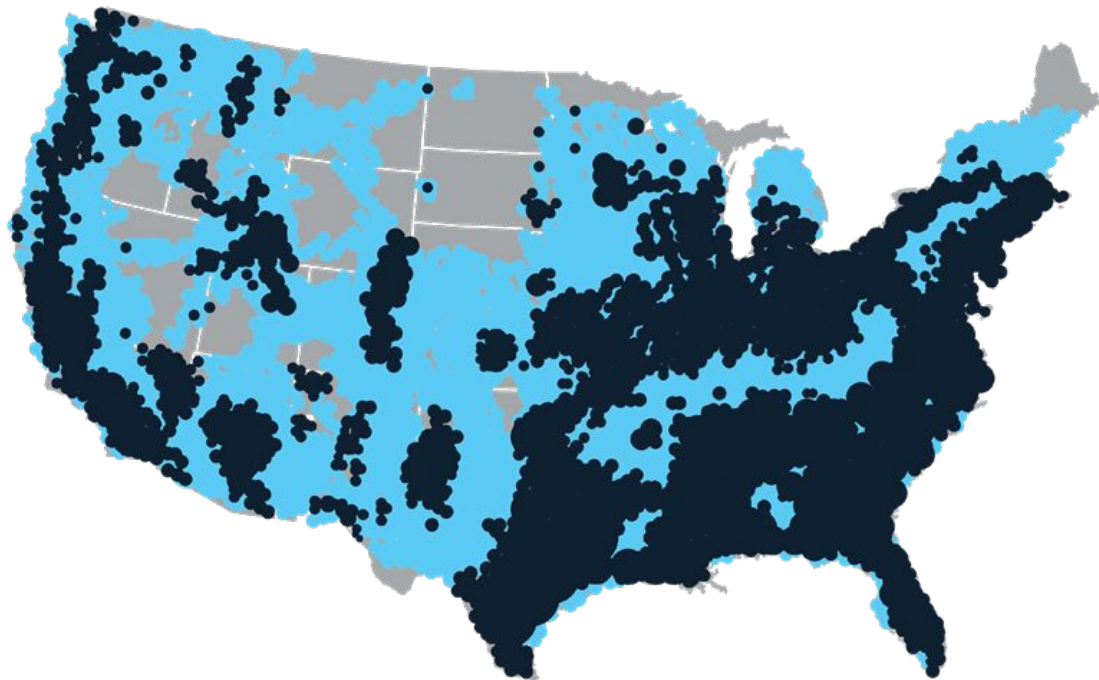
# ACC INTEGRATION

SEAMLESS INTEGRATION FOR EFFICIENCY





# VIGILANT NAM LPR ECOSYSTEM



- 20B Commercial LPR Scans

**52B+**

NATIONWIDE DETECTIONS

**500K+**

Scans a day

**3K+**

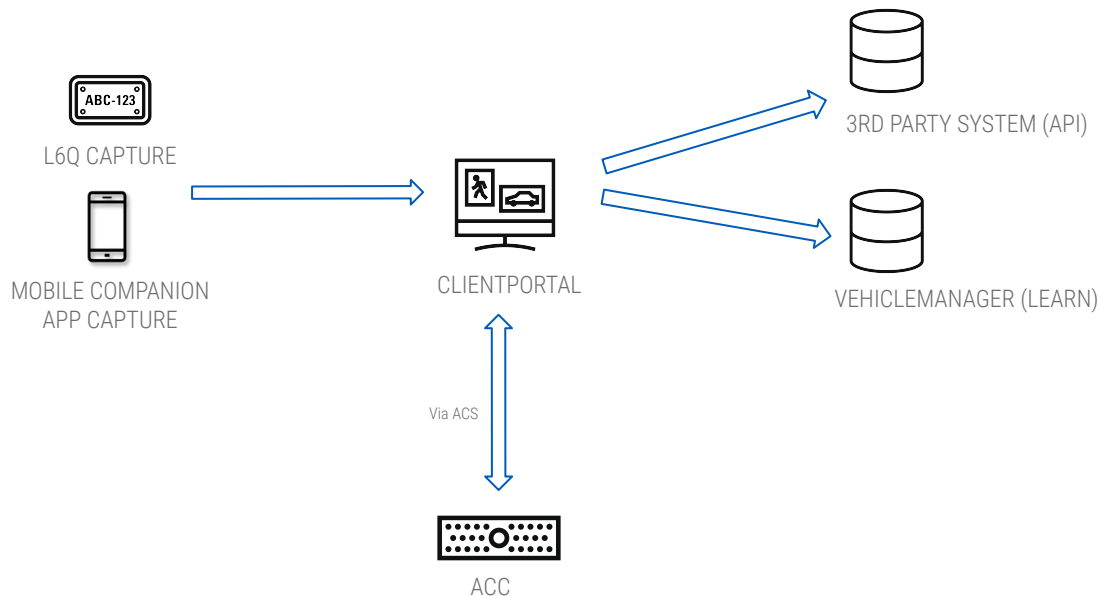
2.5K LEA's

500 Enterprise Accounts



# ACC & CLIENTPORTAL INTEGRATION

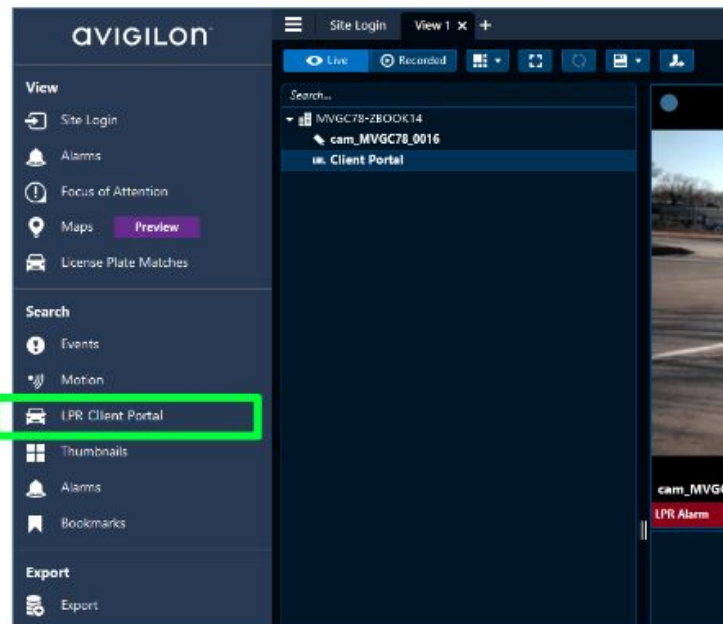
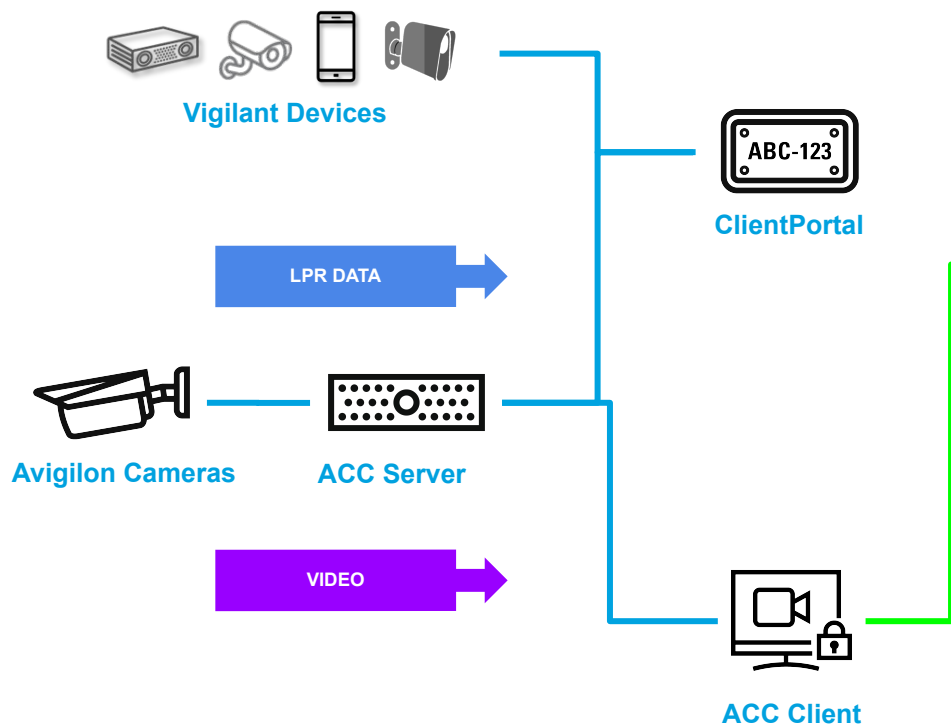
SEAMLESS INTEGRATIONS FOR INCREASED EFFICIENCY



- **L6Q, Mobile Companion and ACC LPR feeds license plate detections directly to ClientPortal**
- **Analytics and investigations are executed in ClientPortal**
- **Hot Plate alerts are sent from ClientPortal on any plate entered for notifications**



# VIGILANT ACC INTEGRATION







# TECHNICAL OVERVIEW

L6Q AND CLIENTPORTAL



# L6Q

## SPECIFICATIONS



	L6Q
<b>Capture Range</b>	30 - 75 ft (9.1 - 22.9 m)
<b>Capture Speed Maximum</b>	100 mph (161 km/h) 75 mph (121 km/h) recommended
<b>Field of View</b>	24 ft (7.3 m) (multi-lane coverage)
<b>Sensor Type</b>	2.1MP Starlight Sensor
<b>Image Resolution</b>	1920 x 1080px
<b>Pulsed LED Illumination</b>	850 nm
<b>Environmental</b>	IP67, operational temperature: -22 to +131°F (-30 to +55°C)
<b>Direct Line Input Voltage</b>	12V DC
<b>Dual-Cell Battery</b>	9.7 Ah (up to 20,000 scans on a single charge)
<b>Power Consumption</b>	9W maximum, 4W nominal
<b>Wireless Interface</b>	Bluetooth 5 LE, WiFi 802.11ac, Cellular Internal LTE modem
<b>Warranty</b>	5 Year

# L6Q

## SOLAR, BATTERY & AC/DC POWER OPTIONS

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





# L6Q

## MOUNTING OPTIONS

The L6Q mount can attach to most poles, T-poles, or to common infrastructure with included band-ties and lag-bolts.

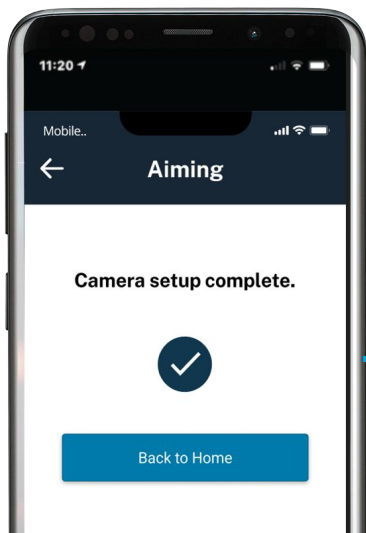


# L6Q

## APP-BASED CONFIGURATION & ACTIVATION

Connect and set up the L6Q quickly and easily on-site with the Mobile Companion app on your Android or iOS device.

Adjust aim in real-time to improve license plate read accuracy for rear plate captures.



# L6Q

## WIRELESS CONNECTIVITY

### BT/WiFi

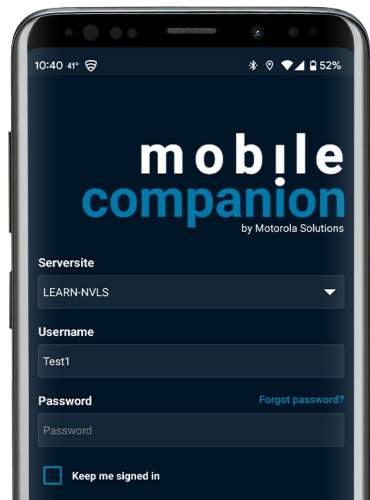
BT5 LE - Used only with setup via Mobile Companion

WiFi - Available when connected to an external non-solar power source

### Cellular

USA - Buy the L6Q as-a-service with a Verizon SIM card and cellular plan, or use your own Verizon, AT&T or T-Mobile SIM card.

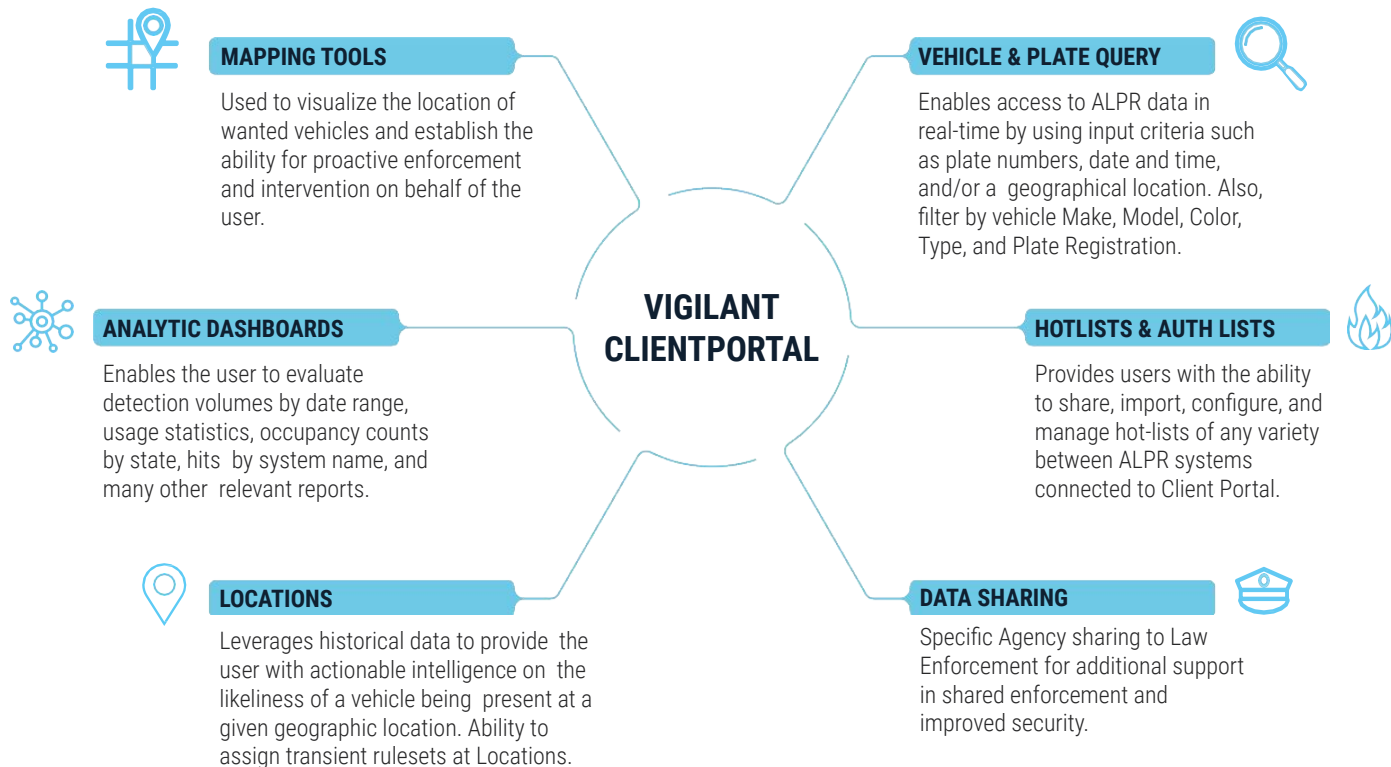
All countries but USA - BYO 4G LTE/5G SIM





# CLIENTPORTAL

## ARCHIVAL, ANALYTICS, & REPORTING











# CLIENTPORTAL

## VEHICLE & PLATE QUERY

 Vigilant ClientPortal



### Plate/Car Tip

Select a File

**Browse**

### Search Plate

Username

Plate Number

**Smart Wildcard**

**Add Manual Record**

**Request for Info - RFI**

☐ Date Range

From

To

**Mapping**

### Search Plate

Plate Number

#### Data Source Filters

Vehicle Type:

Make:

Model:

Year:

Reg. State:

Vehicle VIN:


Vehicle Color:




**Search**



# CLIENTPORTAL


## VEHICLE & PLATE QUERY


 Vigilant ClientPortal

   Kyle Hoertsch ▾


### Plate/Car Tip

Select a File







7SUV236  
03-10-23  
7:56:00 AM




8JTB978  
03-10-23  
7:55:21 AM




L0VN10  
03-10-23  
7:54:48 AM




JMC4992  
03-10-23  
10:54:42 AM





8Y2  
03-10-23  
7:54:48 AM





[Associate Analysis](#) 

### Search Plate


Plate Number  


[Smart Wildcard](#) 

[Add Manual Record](#) 

[Request for Info - RFI](#) 







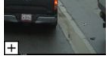

☐ Date Range

From  

To  

Results - 50 Records

Go to Page:  Records Per Page:

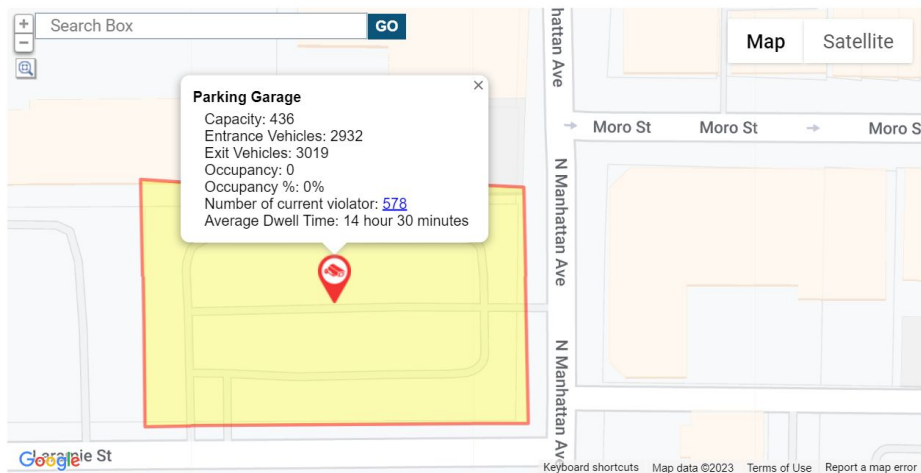
<input type="checkbox"/>	Color Overview	Image	Plate	Date	Time	Scanned By	Sy
<input checked="" type="checkbox"/>			JMC4992	03-10-23	10:54:42 AM EST	Fixed LPR System 1	Fixed 1_Car
<input type="checkbox"/>			8Y2P449	03-10-23	7:54:41 AM PST	Jacob Lane System	Jacob
<input type="checkbox"/>			4LVL843	03-10-23	7:51:39 AM PST	Los Angeles Police Department 9471	SB N Croft Ave
<input type="checkbox"/>			BW38V82	03-10-23	7:46:30 AM PST	Los Angeles Police Department 6358	Alley Rear of 300 Le



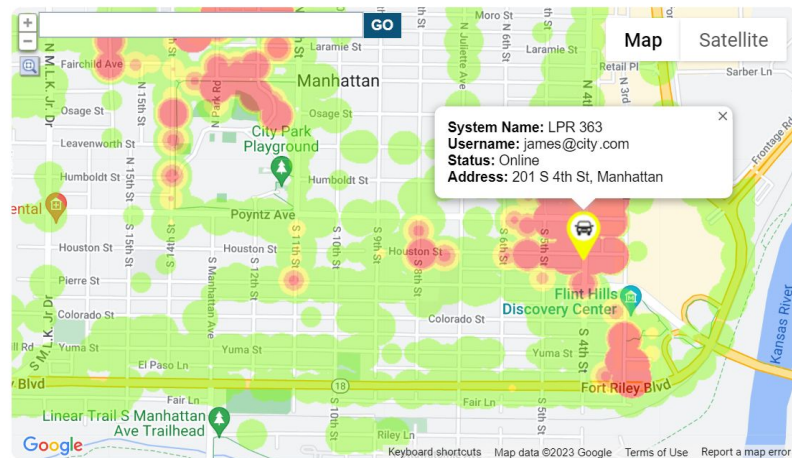
# CLIENTPORTAL

## MAPPING TOOLS

### Occupancy Count Visuals per Location



### Density Data and Asset Tracking





# CLIENTPORTAL

## LOCATIONS

### Boundary

☐ Manual zone ⓘ

☒ Geo zone ⓘ **Import Shapefile** --No polygon-- ☐ Show all zone

Search Box

Map Satellite

Manhattan Ave N Manhattan Ave

N Manhattan Ave

Google

Keyboard shortcuts Map data ©2023 Terms of Use Report a map error

Schedule # 1 x +

**Enforcement hours**

☒ Enforce all times

Monday	12:00 AM	11:59 PM
Tuesday	12:00 AM	11:59 PM
Wednesday	12:00 AM	11:59 PM
Thursday	12:00 AM	11:59 PM
Friday	12:00 AM	11:59 PM
Saturday	12:00 AM	11:59 PM
Sunday	12:00 AM	11:59 PM

**Authorized list assignment**

Search Box

City of Manhattan, KS-721  
City of Manhattan, KS-Aggieville Parking  
Exempt  
IPS-Aggieville Garage  
ParkMobile-97329700  
PermitID

Add

Remove

### Rule set

#### Digital chalking alert

☐ Alert on duplicates greater than 1 day(s) 3 hour(s) 0 minutes apart within 1 day(s) 12 hour(s) period ⓘ

☐ Ignore shared detections older than 0 day(s) 2 hour(s)

☐ Ignore proximity rule for previous detection within same location

☐ Digital Chalking 5 minute Grace Period

☐ Override default "Expired parking" alert type

Alert Overtime Parking

#### Duplicate permit alerts

☐ Alert if maximum unique plates per permit ID exceed 2 in a 1 hour(s) 30 minutes period ⓘ

☐ Ignore shared detections older than 0 day(s) 2 hour(s)

#### Excessive detection monitoring

☐ Alert on 3 duplicate plate values within 10 days 1 hour(s) 30 minutes

#### Excessive hits

☐ Alert on duplicate hits within 10 days 1 hour(s) 30 minutes ⓘ

#### Fixed camera options

☒ Authorized list 15 minute Grace Period

☒ Digital chalking mode 0 Hour(s) 15 Minute(s) ⓘ

☐ Repeat Alert interval every 10 Minute(s) ⓘ

Digital chalking Alert on Exit Camera OFF ☒ ON ⓘ

Location Max Spaces 436





# CLIENTPORTAL

## HOTLISTS & AUTHORIZED LISTS

### Required Fields

**Authorized Plate** – Registration Plate for Permitted Vehicle

**State** – Registration State for Vehicle Plate of Permitted Vehicle

**Active Date** – The Date and Time when the Permit becomes active

**Expire Date** – The Date and Time when the Permit becomes inactive or expires

### Optional Fields

**Permit ID** – Permit ID value defined on external Vendor permit system

**Permit Type** – If mix-typed permits loaded in single file, we can split (ie. Hourly, Monthly, Employee, On-street, Transient, etc.)

**Zone Name** – Friendly Zone Name assigned to permit

**Zone ID** – Zone ID value defined on external Vendor permit system

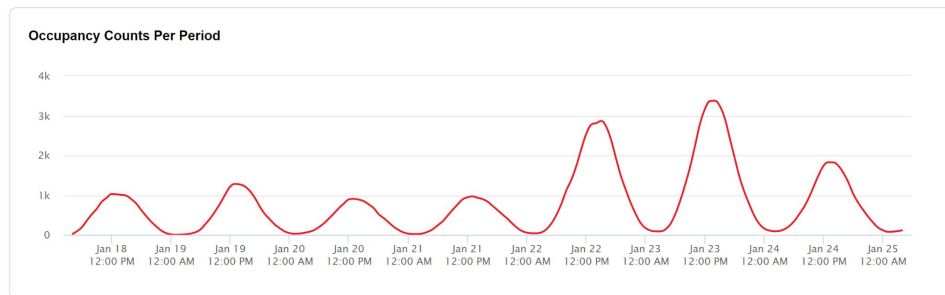
Column 1	Column 2	Column 3	Column 4	
<b>Authorized Plate</b> (required field) Edit ° Skip	<b>State</b> (required field) Edit ° Skip	<b>Active Date</b> (required field) Edit ° Skip	<b>Expire Date</b> (required field) Edit ° Skip	
PLATE	STATE	ACTIVE DATE	EXPIRE DATE	ZONE
ABC123	CA	2022-11-01	2022-12-01	Garage
DEF456	CA	2022-11-01	2022-12-01	Garage
GHI789	CA	2022-11-01	2022-12-01	Garage



# CLIENTPORTAL

## ANALYTIC DASHBOARDS

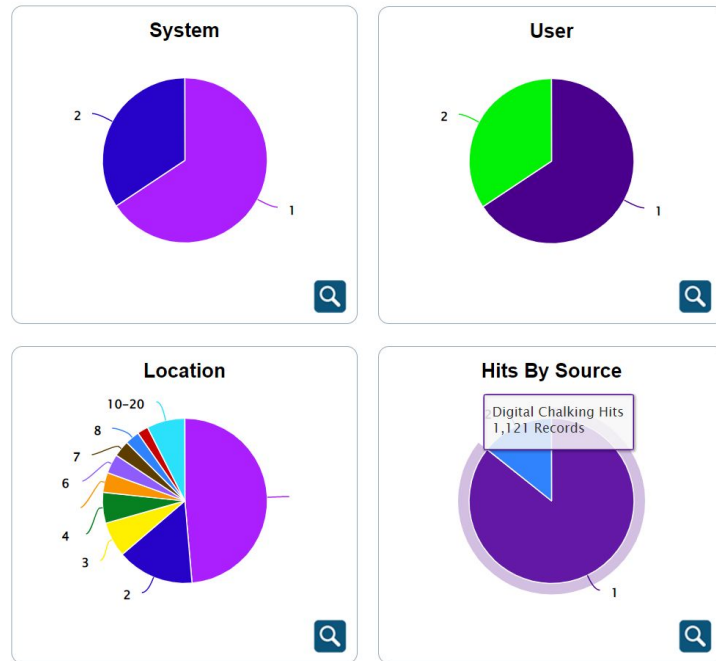
### Occupancy & Dwell Times



### Client Status & Monitoring

System name	Last login	Last detection	IP address	Status	Monitor alerting
HNTVHN07070954	10-16-21 07:25:00 PM	11-15-21 12:49:23 PM	172.16.10.19	Offline	Inactive
Exit Lynch Indianapolis	09-06-21 10:42:00 AM	03-08-23 10:47:28 PM	172.16.10.19	Online	Inactive
Camera13	08-25-21 09:42:00 PM	02-22-23 06:59:58 AM	172.16.10.19	Offline	Inactive

### Hit and Detection Counts



# CLIENTPORTAL

## LIVE DEMO

### What we will cover:

- Camera set-up
- Plate query
- Data sharing





# VIGILANT MOBILE COMPANION LPR APP

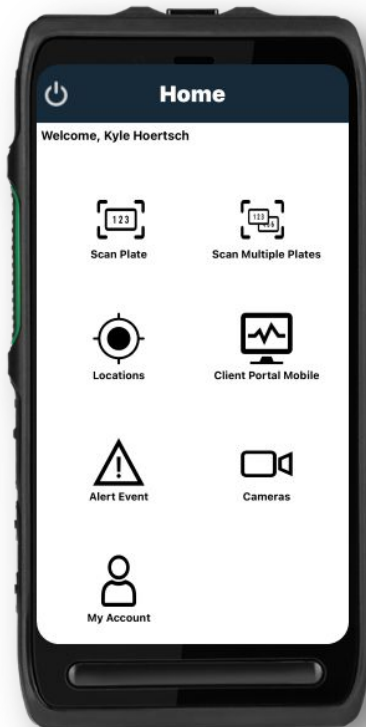
INTELLIGENCE IN THE PALM OF YOUR HAND

## CANVAS AND COLLECT MORE VEHICLE DATA

Quickly scan a single plate or use multi-plate mode to easily capture plates at scale. Also upload additional images of a vehicle directly to an LPR record for future reference.

## IMMEDIATELY IDENTIFY VEHICLES OF INTEREST

Receive real-time alerts when hot listed plates are scanned with your device or by selected LPR cameras. Conduct further analysis by viewing historical LPR alerts or by accessing Vigilant ClientPortal mobile for a full suite of capabilities.







# SUPPORT

NORTH AMERICA AND INTERNATIONAL



# SUPPORT & ORDERING NORTH AMERICA

ITEM	DESCRIPTION
CAMERA SYSTEM	L6Q Kit Subscription (Solar)
CAMERA SYSTEM	L6Q Kit Subscription (12vdc)
MOBILE APPLICATION	Mobile Companion Multi-Scan

- There are approximately 50 additional part numbers for accessories that will be added to price book but not displayed.
- Additional part numbers would need to be ordered for Client Portal creation, camera start-up and commissioning etc.



# SUPPORT & ORDERING INTERNATIONAL

## DESCRIPTION

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ClientPortal - ON-PREM Enterprise Unlimited

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L6Q Kit with Vulcan License 1st yr (Solar)

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L6Q Kit with Vulcan Licence 1st yr (12vdc)

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Mobile Companion Basic Included

Mobile Companion Multi-Scan\* annual Fee per device

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- AI Appliance will be required for the installation of ClientPortal & Vehicle Analytics Software.
- MC - Mobile Companion is required in order to set up the L6Q.
- OCR & Vehicle Analytics Engine requires annual fees after Yr. 2.
- LTE Connectivity will be provided by the Partner or End-User in country for International - LTE 4G or higher.
- There are approximately 20 additional part numbers for peripherals and accessories that will be added to price book but not displayed.
- Additional part numbers would need to be ordered for ClientPortal creation, camera start-up and commissioning etc.
- Local Hosted on the Cloud will be supported but is considered an ON-PREM solution.



# PRODUCT AVAILABILITY

ASSETS & TIMING

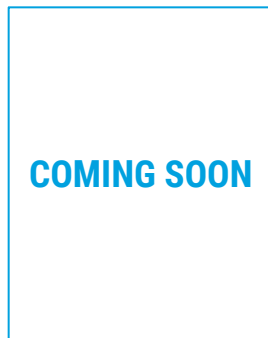




# PRODUCT LAUNCH ASSETS



L6Q Fact Sheet



ACC x ClientPortal  
Integration Fact Sheet



L6Q Datasheet



Marketing Video (coming soon)

[AVIGILON.COM/L6Q](https://www.avigilon.com/L6Q)



# PRODUCT AVAILABILITY TIMELINE

ALL DATES ARE SUBJECT TO CHANGE



**MARCH 15, 2023**

PARTNER WEBINAR

**MARCH 29-31, 2023**

DEMO @ ISC WEST

**SPRING, 2023**

SHIPPING ANNOUNCEMENT

**SPRING 2023**

SHIPPING RELEASE



# THANK YOU!

Questions?



**MOTOROLA SOLUTIONS**

**AVIGILON™**

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