



Memorandum

June 24th, 2021

To: Bob Harrison
City Manager

From: Matt Murray
Chief of Police

Subject: Automatic License Plate Readers

Brief Summary:

The Yakima Police Department is requesting the purchase of 15 Vigilant Automatic License Plate Recognition cameras. If approved, the cameras will assist in identifying suspect vehicles involved in violent crime in the City of Yakima. The software associated with these cameras will provide information to detectives and patrol quickly and efficiently.

If approved, ten of these cameras will be permanently placed at the entry points of the City of Yakima. An additional five (5) quick deploy solar cameras would be utilized in high crime areas and can quickly be moved to another location at a moment's notice.

The department is seeking to improve our ability to investigate violent crime and gang violence. Through our investigations, we have found starting the investigation with a license plate greatly improves the solvability of a case. The information gleaned from a license plate provides a photo of the vehicle, geographical information, and date and time.

According to a study by the International Association of Chiefs of Police in September of 2012, "ALPR technology is a significant tool in the arsenal of law enforcement and public safety agencies. It automates a tedious, distracting, and manual process that officers regularly complete in their daily operations, and vastly improves their efficiency and effectiveness in identifying vehicles of interest..."

We believe the use of ALPR's will assist the department with reducing violent crime.

The initial cost of the 15 cameras is \$110,000.00 plus tax. A yearly subscription of \$5,000.00 plus tax is required to keep the cameras active.

		Vigilant Solutions, LLC 1152 Stealth Street Livermore, California 94551 (P) 925-398-2079 (F) 925-398-2113		 MOTOROLA SOLUTIONS	
Issued To:	Yakima Police Department - Attention: Dustin Sopitech			Date:	06-24-21
Project Name:	Fixed Camera Options - L5Q - L5F - Yakima			Quote ID:	LQW-0071-01

PROJECT QUOTATION

We at Vigilant Solutions, LLC are pleased to quote the following systems for the above referenced project:

L5F Camera System

Qty	Item #	Description
(1)	VSF-025-L5F	L5F Fixed LPR Camera with Sun Shield - 25mm Lens with Camera Cable <ul style="list-style-type: none"> Dual-lens camera with infrared LEDs for plate illumination 55ft - 85ft capture distance and up to 2 lane coverage Internal trigger for capture of plate alphanumerics, vehicle make and model Camera housing with included sunshield is IP67 rated for reliable use in varied weather conditions 60' camera cable included Includes CarDetector LPR software for local server hosting LPR vehicle license plate scanning / real time alerting <ul style="list-style-type: none"> Full suite of LPR tools including data analytics
Subtotal Price (Excluding sales tax)		\$6,495.00
Qty	Item #	Description
(1)	VS-FX-UNI-POLE-WALL-BRKT_REV_B	Fixed LPR Camera Bracket <ul style="list-style-type: none"> Pole or Wall Mount - UPR ARM ASSY POLE & WALL MOUNT BLK REV B UPR ARM ASSY POLE & WALL MOUNT BLK
Subtotal Price (Excluding sales tax)		\$350.00
Qty	Item #	Description
(1)	BCAV1F2-C600	Vigilant Fixed Camera Communications Box <ul style="list-style-type: none"> Manages power and communications for up to four (4) Vigilant fixed LPR cameras Includes modem for communication with cellular carriers <ul style="list-style-type: none"> SIM Card not included
Subtotal Price (Excluding sales tax)		\$2,595.00
Qty	Item #	Description
(1)	VS-SHP-02	Vigilant Shipping Charges - Fixed or Comms <ul style="list-style-type: none"> Applies to each fixed camera LPR System Or Communication Box Purchased without LPR System Shipping Method is FOB Shipping
Subtotal Price (Excluding sales tax)		\$55.00

Camera License, Software & Hosting

Qty	Item #	Description
(1)	VSBSCSVC-02	Vigilant LPR Basic Service Package for Hosted/Managed LPR Deployments <ul style="list-style-type: none"> Managed/hosted server account services by Vigilant <ul style="list-style-type: none"> Includes access to all LEARN or Client Portal and CarDetector software updates Priced per camera per year for 15-30 total camera units Requires new/existing Enterprise Service Agreement (ESA)
Subtotal Price (Excluding sales tax)		\$450.00
Qty	Item #	Description
(1)	TAS-UL	Target Alert Service - LPR Alert Delivery Software - Unlimited User <ul style="list-style-type: none"> Real Time LPR notification and mapping software sends LPR alerts to any in-network PC Send Alerts over any communication protocol including LAN, WAN, internet wireless, etc. Server Client software compatible with all Vigilant CDFS applications
Subtotal Price (Excluding sales tax)		\$0.00

L5Q Solar Camera

Qty	Item #	Description
(1)	VSFS-L5Q-S	L5Q Quick Deploy LPR Camera System Annual Subscription <ul style="list-style-type: none"> Small form-factor camera with solar-panel and integrated battery Pole mount bracket SD Card for local storage/buffering SIM card with cellular service Optional 12V power cord, sold separately 12-month limited hardware warranty LEARN or Client Portal account for hosted data storage, alerting and analytics System may be user installed <ul style="list-style-type: none"> Professional installation services sold separately 5-year Enterprise Service Agreement required
Subtotal Price (Excluding sales tax)		\$1,900.00

Technical Services

Qty	Item #	Description
(2)	SSU-SYS-COM	Vigilant System Start Up & Commissioning of 'In Field' LPR system <ul style="list-style-type: none"> Vigilant technician to visit customer site Includes system start up, configuration and commissioning of LPR system Applies to mobile (1 System) and fixed (1 Camera) LPR systems
Subtotal Price (Excluding sales tax)		\$1,750.00

Qty	Item #	Description
(1)	VS-TRVL-01	Vigilant Travel via Client Site Visit <ul style="list-style-type: none"> Vigilant certified technician to visit client site Includes all travel costs for onsite support services
Subtotal Price (Excluding sales tax)		\$1,550.00

Quote Notes:

1. All prices are quoted in USD and will remain firm and in effect for 60 days.
2. Returns or exchanges will incur a 15% restocking fee.
3. Orders requiring immediate shipment may be subject to a 15% QuickShip fee.
4. This Quote is provided per our conversation & details given by you - not in accordance to any written specification.
5. Hardware installation is not included.
6. Customer to provide cellular data w/ STATIC IP Address for L5F camera system.
7. Customer to provide location details prior to order to confirm lens selection.

Quoted by: Louis Wershaw - 209-283-0990 - louis.wershaw@motorolasolutions.com

Total Price	\$15,145.00 (Excluding sales tax)
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L5F FIXED LPR CAMERA SYSTEM

SEE FARTHER. SEE CLEARER. SCAN MORE.

Missed scans mean unsolved cases and unrecognized revenue. The L5F Fixed License Plate Recognition Camera System captures clearer images at greater distances on your high-speed, high-volume roadways. Paired with Vigilant PlateSearch or Vigilant ClientPortal, this solution enables you to receive real-time alerts, conduct comprehensive searches and leverage advanced analytics and parking tools to uncover new vehicle location insights that protect communities and generate revenue.

KEY BENEFITS

Scan More Than Before

Capture your clearest plate detections yet, at greater distance, on your most high-volume, high-speed roadways.

Rely On Better Basics

Beyond ensuring you've captured the best data, we make management, alerting and searching straight-forward.

Do More With More Data

Use patented analytics, specialized tools as well as easier data sharing and access to derive new intelligent insights.



L5F FIXED LPR CAMERA

The L5F Camera features a new state-of-the-art sensor that allows it to capture clearer images at greater distances on your high-speed, high-volume roadways.



CAMERA PERFORMANCE

Part Number	Optimal Focal Length	Capture Range*
VSR-5x-908	14 ft	6-27 ft
VSR-5x-916	40 ft	25-55 ft
VSR-5x-925	70 ft	55-85 ft
VSR-5x-935	95 ft	85-105 ft
VSR-5x-950	115 ft	105-125 ft

*Up to 2 lanes of traffic coverage in most scenarios.

OPTICS

Window	Shatterproof window	
Resolution	1440x1080 Monochrome global shutter	1440x1080 Color global shutter
Capture speed maximum	150 mph (241 kph)	

ILLUMINATION

Pulsed LED illumination	Zero lux environments *850nm and 750nm options
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VIDEO STREAMING

ONVIF compliant	H.264/H.265, M JPEG
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HOUSING

Size	6.9 x 6.5 x 2 in / 175 x 165 x 51 mm
Fixed mounting	3-axis (aim precision) lock in place, low profile, solid mount, and sun shield
Color	Matte black
Weight	3.5 lbs

ENVIRONMENTAL

Environmental protection	IP67 / NEMA4 compliant
Operational temperature	-40°F to 140°F (-40°C to 65°C)
Connector	IP67 rated

ELECTRICAL

Power consumption	12.95W nominal
Input voltage	POE (IEEE802.3 af PD)

CABLE MANAGEMENT

Cable length	Up to 328 ft (100 m)
Type	Cat6 STP 22-24 AWG
Connector	10 pin circular- all-weather, impact resistant

CAMERA ACCESSORIES

Part #	VS-UNI-POLE-MNT
Description	Single Fixed Camera Mount/Bracket

VLP COMMUNICATIONS BOX

The VLP Communications Box combines processing and power in a durable, ruggedized enclosure that is equipped with an all-in-one built-in processor with GPS and PoE for up to four cameras.



SYSTEM

CPU	Intel Gen8 Core i7-8700T (12M Cache 2.4GHz up to 4.0GHz)
Memory	2 x 8GB DDR4 2400 MHz SO-DIMM
LAN Chipset	9 x Intel i210-AT and 1 x i219 (iAMT9.5 w/ i5, i7 only) Gb/s Ethernet Controllers Onboard Support PXE and WOL

I/O

Serial Port	3 x RS 232/422/485 (Auto Direction Control)
USB Port	4 x USB 3.0 Ports
LAN	10 x RJ45 Ports for GbE (Optional for M12 connector and 8 x PoE total Max. 120W)
Video Port	3 x DP Ports
Wi-Fi Adapter	802.11n/g/b
4G LTE / GPS	Sierra Wireless EM7511-Dual Sim Support

POWER REQUIREMENT

Power Input	120V AC
Power Protection	Automatic Recovery - Short Circuit Protection
Power Management	Remote/Ignition connection to toggle power
Power Off Control	Power off Delay Time Setting by BIOS and Software

SOFTWARE

Operating System	Ubuntu 18.04 64bit
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GRAPHICS

Graphics	Intel® UHD Graphics 630
Resolution	Max Resolution (DP) : 4096x2304@60Hz

STORAGE

Type	2 x 2.5" Drive Bay for SATA Type HDD/SSD RAID 0, 1, 5 1 x mSATA
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ENVIRONMENTAL

Operating Temp.	-40°C ~ 70°C, ambient w/ 0.6m/s airflow
Storage Temp.	-40°C ~ 80°C
Relative Humidity	10% RH – 90% RH (non-condensing)
Vibration (random)	EC60068-2-64, random, 2.5G@5~500Hz, 1hr/axis with SSD
Vibration Operating	MIL-STD-810G, Method 514.6, Procedure 1, Category 4
Shock	Operating: MIL-STD-810G, Method 516.6, Procedure 1, Trucks and semi-trailers=15G (11ms) with SSD
Certifications	CE, FCC Class A, E13

MECHANICAL

Construction	Polycarbonate
Mounting	Wall or pole mount
Weight	34.5 lbs (15,649g)
Dimensions	356(L) x 305(W) x 178(D) mm



For more information,
visit motorolasolutions.com/contactus



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L5Q

QUICK DEPLOY LICENSE PLATE RECOGNITION CAMERA SYSTEM

LICENSE PLATE RECOGNITION WITHIN REACH LIKE NEVER BEFORE

Build or expand an existing camera network with this affordable, easy-to-deploy-anywhere license plate camera system. This complete, quick deploy solution, paired with either Vigilant PlateSearch or Vigilant ClientPortal empowers you to receive real-time alerts, conduct comprehensive searches as well as leverage advanced analytics to uncover new insights and operate more efficiently.



KEY FEATURES

- Flexible power options - AC/DC or solar
- Built-in cellular communications
- Redeployable, all-in-one system design
- Rugged construction - IP66 rated
- Simple hot/shielded list management
- Robust, real-time alerting options
- Comprehensive search and reporting
- Configurable data retention settings
- Advanced vehicle location analytics
- Dedicated parking enforcement tools
- Customer-managed data access and sharing
- 3rd party LPR system integration

CAMERA SPECIFICATIONS

CAMERA PERFORMANCE

Optimal focal length	50 ft (15 m)
Capture range	< 75 ft (23 m)

OPTICS

Image	3 MP image sensor
Capture speed maximum	85 mph (recommended deployment speed 45 mph or less)

HOUSING

Size	5.5"H x 4.5"W x 2.5"D (14 x 10 x 6.4 cm)
Fixed mounting	Low profile, pole mount bracket solution
Color	OD Green

ENVIRONMENTAL

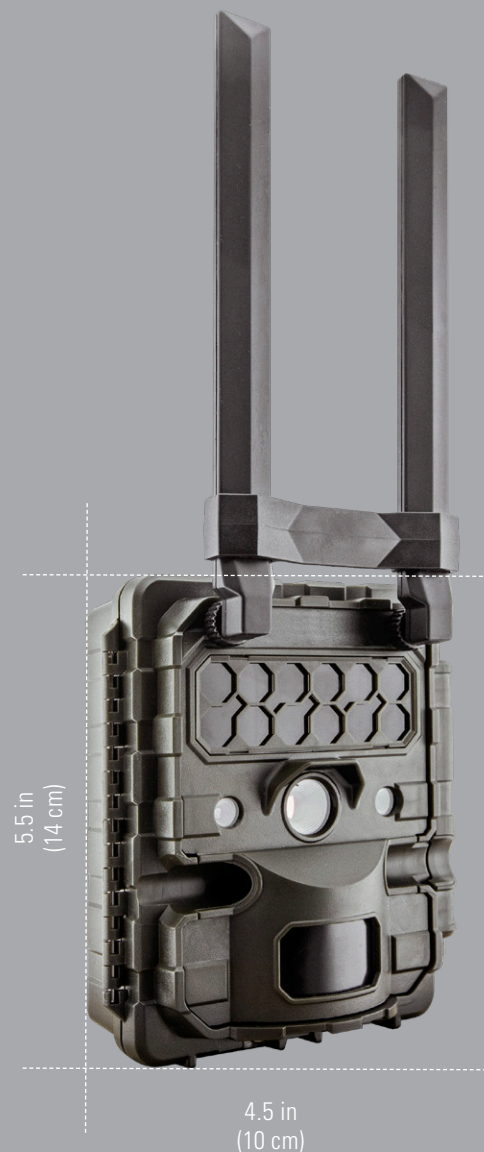
Environmental protection	IP66
Operational temperature	-20°F to 120°F (-29°C to 50°C)

CABLE MANAGEMENT

Cable length	12 ft (4 m)
Type	Shielded power cable
Connector	Custom 12V barrel

SOLAR PANEL POWER UNIT

Solar panel power	10W
Battery capacity	108 Wh
Product warranty	1 year
Dimensions	11.75"H x 12.0"W x 8.25"D (30 x 30.5 x 21 cm)
Included accessories	12 ft (4 m) shielded power cable



For more information, visit
www.motorolasolutions.com/l5q



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		Vigilant Solutions, LLC 1152 Stealth Street Livermore, California 94551 (P) 925-398-2079 (F) 925-398-2113		 MOTOROLA SOLUTIONS	
Issued To:	Yakima Police Department - Attention: Dustin Sopitech			Date:	06-24-21
Project Name:	Mobile System Commissioning - CLK - IDP - Yakima WA			Quote ID:	LQW-0070-01

PROJECT QUOTATION

We at Vigilant Solutions, LLC are pleased to quote the following systems for the above referenced project:

Camera License & Hosting

Qty	Item #	Description
(24)	VSBSCSVC-01	Vigilant LPR Basic Service Package for Hosted/Managed LPR Deployments <ul style="list-style-type: none"> Managed/hosted server account services by Vigilant <ul style="list-style-type: none"> Includes access to all LEARN or Client Portal and CarDetector software updates Priced per camera per year for up to 14 total camera units registered Requires new/existing Enterprise Service Agreement (ESA)
Subtotal Price (Excluding sales tax)		\$12,600.00
Qty	Item #	Description
(5)	VS-MC-MP-S	Mobile Companion Multi-Plate Single User License <ul style="list-style-type: none"> One (1) Concurrent Mobile Companion User License Unlimited use of multi-plate Scan feature Requires LEARN and/or Client Portal account <ul style="list-style-type: none"> Law Enforcement Data Sharing Option Purchased Separately Priced per license Billed annually as a Subscription
Subtotal Price (Excluding sales tax)		\$1,500.00

Technical Services

Qty	Item #	Description
(8)	SSUPSYS-COM	Vigilant System Start Up & Commissioning of 'In Field' LPR system <ul style="list-style-type: none"> Vigilant technician to visit customer site Includes system start up, configuration and commissioning of LPR system Applies to mobile (1 System) and fixed (1 Camera) LPR systems
Subtotal Price (Excluding sales tax)		\$7,000.00

Qty	Item #	Description
(1)	VSPTRVL-01	Vigilant Certified Partner Travel via Client Site Visit <ul style="list-style-type: none"> Vigilant certified technician to visit client site Includes all travel costs for onsite support services
Subtotal Price (Excluding sales tax)		\$1,550.00

Investigative Data Platform

Qty	Item #	Description
(1)	VS-IDP-01B	Investigative Data Platform - Annual Subscription for up to 25 Sworn - State and Local <ul style="list-style-type: none"> Commercial LPR Data access - For up to 25 Sworn <ul style="list-style-type: none"> Access to all Vigilant commercially acquired national vehicle location data Unlimited use by authorized agency personnel to complete suite of LEARN data analytics Includes full use of hosted/managed LPR server account via LEARN FaceSearch with Vigilant Image Gallery Access For up to 25 Sworn <ul style="list-style-type: none"> Access to all agency/shared images and Vigilant Image Gallery Unlimited use by authorized agency personnel to all FaceSearch tools Image gallery of up to 5,000 images
Subtotal Price (Excluding sales tax)		\$4,250.00

Quote Notes:

1. All prices are quoted in USD and will remain firm and in effect for 60 days.
2. Returns or exchanges will incur a 15% restocking fee.
3. Orders requiring immediate shipment may be subject to a 15% QuickShip fee.
4. Hardware installation is not included.
5. Customer to provide all hardware with cabling, mounting brackets, etc.

Quoted by: Louis Wershaw - 209-283-0990 - louis.wershaw@motorolasolutions.com

Total Price	\$26,900.00 (Excluding sales tax)
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Mobile LPR / ANPR

Mobile LPR at it's Best

Managed from within LEARN®, Vigilant's Mobile LPR uses up to four (4) dual-lens LPR cameras, each with integrated Digital Signature Processors (DSP), and advanced imaging and recognition algorithms to provide the most advanced mobile LPR system available. With a simple user interface, the Vigilant Mobile LPR system provides a great deal of functionality with the user's needs in mind, but with advanced capabilities not available elsewhere.

Key Features

- ✓ Easy & intuitive interface
- ✓ Works with existing laptop or MDT
- ✓ No external processor in trunk
- ✓ Seamless communication to/from LEARN
- ✓ Infrared (IR) plate and color vehicle images
- ✓ Mobile Hit Hunter™ exclusive feature provides additional hits from Vigilant's own LPR data network
- ✓ Day / Night interface for officer safety
- ✓ Large buttons designed for touch screen



Protecting Officers,
Families and Communities

Mobile LPR / ANPR



Mobile LPR from Vigilant is an advanced mobile LPR solution designed from the officer's perspective. Large buttons, visual system status indicators, scrolling plate history, and even a Day / Night mode to eliminate brightness in the vehicle during nighttime operations for officer safety - Mobile LPR from Vigilant is quite simply the most user-friendly interface available on the market.

Mobile Hit Hunter is an exclusive Vigilant feature in that significantly increases the likelihood of "hits". Leveraging all available LPR in your area, including data shared by other agencies as well as Vigilant's national data sharing initiative (NVLS) that collects almost 100 million LPR records per month from commercial operations of LPR, Mobile Hit Hunter matches these records against your hotlist(s) and notifies officers within a 3-mile radius of suspect vehicles.



System Components & Key Specifications

All-in-One Integrated LPR Camera & Processing Unit



- Dimensions (WxDxH) :
6.9" x 6.5" x 2"
175 x 165 x 51 mm
- No Processor in Trunk
- Weight: 3.5 lbs. / 1.6 kg
- IP67 / NEMA-4 Rated

Compact Camera with External Processor also Available



- Camera Dimensions:
6.7 x 3 x 2 in
171 x 76 x 51 mm
- Weight: 1.9 lbs / 0.86 kg
- IP66 Rated



- Processor Dimensions:
5 x 8.5 x 2.5 in
127 x 215.9 x 63.5 mm