



Marshall Police Department

Jesus Eddie Campa
Chief of Police

Date: 8/4/16
To: MARSHALL CITY COMMISSION
From: CHIEF JESUS E CAMPA
Re: UTILIZING RED LIGHT CAMERA FUNDS TO
PURCHASE IN CAR CAMERA SYSTEM SERVER

The in car camera systems which are utilized in our marked patrol units are several years old and out of date. The new systems that we wish to install in our new cars require the use of a computer server for the storage of audio/video data. This new system is much more efficient and will provide easier review of the required audio/video data. We would like to use funds from the red light program to purchase and install this server system at the police station. We have received an estimate for the Server and related equipment and installation from Watchguard Inc for \$12,615 and an estimate for a wireless access point, wiring and installation from Dodinich Consulting for \$500 for a total estimated project cost of \$13,115. This total amount is well below the threshold that requires us to advertise for bids.

City Attorney Todd Fitts has reviewed our request and has stated that he feels the use of red light funds for this purpose falls within the funds use guidelines.

We request to be allowed to purchase and install the Watchguard server system and necessary peripherals using funds available through the city's red light camera funds.

Jesus E Campa
Chief of Police

“Putting Our Community First”

GODINICH CONSULTING LLC

P O Box 609
Harleton, TX 75651

Estimate

Date	Estimate #
8/3/2016	5

Name / Address
City of Marshall

Project

Description	Qty	Rate	Total
outdoor access point for police dept, parts and installation	1	500.00	500.00
Total			\$500.00

IT INFORMATION

Before scheduling your deployment we need some additional information. Please fill out this questionnaire, save and email to TSPM@WatchGuardVideo.com as soon as possible. If you have any questions let your Project Manager know.

1. Who is the designated IT Point of Contact?		
	IT Contact Name	
Phone Number	Ext	Email
2. Are you purchasing a server from WatchGuard or will you provide your own server? <i>If you are purchasing a server from WatchGuard you can skip to Question # 7 on Page 2.</i>		**3U Rack Servers purchased from WG require a 4-Post Rack.
3. If you are supplying a server, you MUST verify the server is NOT a Domain Controller. <i>Evidence Library cannot be installed on a server running Active Directory or Exchange applications on your network.</i>		
4. If you are supplying a server where the Evidence Library 4 software will be installed, please verify that the server complies with the specifications below and select Yes on this form.		

Server Specifications

Minimum Hardware Requirements

For departments with 1-5 Cars
or less than 10 shifts per day.

- Quad -Core Xeon 2.4
- 6GB RAM
- Dual NIC
- Storage:
- C Drive > 60 GB
- SQL Partition > 100GB
- Video Partition : >2TB

For departments with 5-25 Cars
or more than 10 shifts per day.

- 6-Core Xeon 2.66
- 12GB RAM
- Dual NIC
- Storage:
- C Drive > 60 GB
- SQL Partition > 200GB
- Video Partition: Minimum storage as calculated by Back Office Storage Calculator (contact Sales Manager or Project Manager for assistance)

Minimum Software Requirements

An account with local Administrative level permissions is required to install the WatchGuard Video Evidence Library Software on the server. Additionally the system requires the following software components.

Operating System –

NOTE: One of the two options below must be used.

- Microsoft Windows 7 Professional 64-bit **Minimum**
- Microsoft Windows Server 2008 R2, 2012, 2012 R2 or 2014 64-bit with appropriate CAL's **Recommended**

SQL Server –

NOTE: The EXACT version of SQL listed below must be used.

- SQL Server 2008 R2, 2012, 2012 R2 or 2014 **Standard** with appropriate CAL's **REQUIRED**

*If SQL is already installed, the original SQL media **MUST BE AVAILABLE** on the server for the WatchGuard Tech. A unique SQL Instance with appropriate features will be created using the media in preparation for installing the WatchGuard software. Failure to have the media available may significantly increase the time allotted for server installation.

Virtual Server Requirements

- The VM should be dedicated to the WatchGuard Application
- At least **1 Processor Minimum; 2 are Recommended**
- 4GB RAM for small agencies; 6-12 GB of RAM for large agencies
- 2 Virtual Network Cards

Storage:

- C Drive > 60 GB (more if desired)
- Other Partitions are maxed out to 2TB or 5TB depending on Vmware software.

*Transcoding video to different formats is processor & IOPS intensive and should be considered along with the number of software clients in determining server specifications.

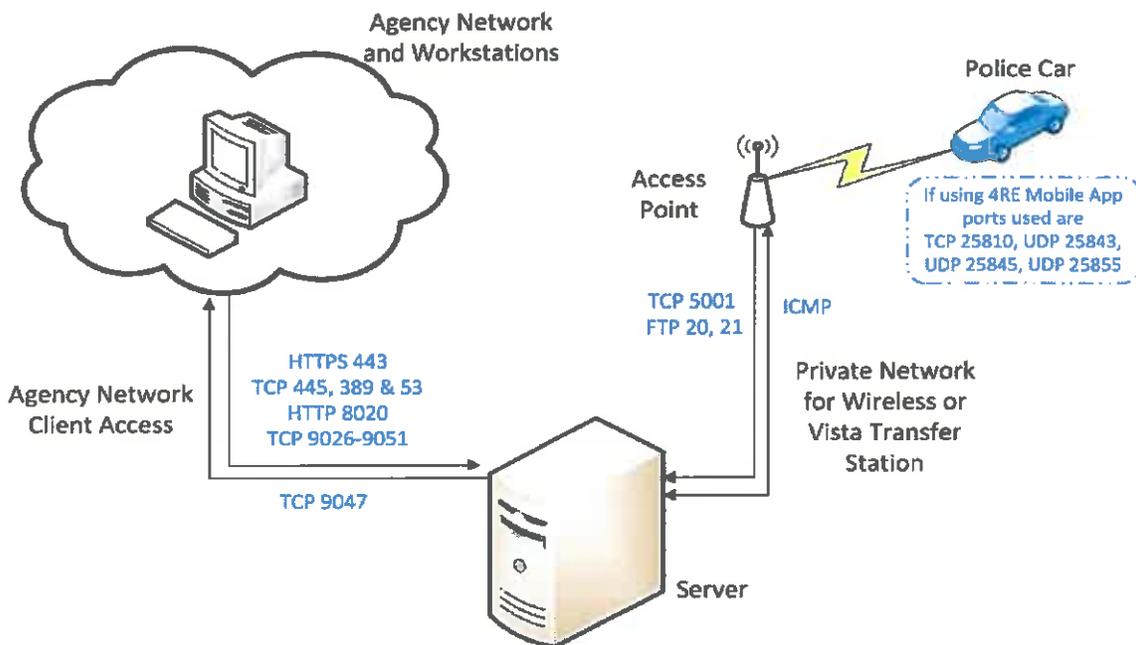
Client workstations MUST be on the same network matching the WatchGuard server (Workgroup or Domain).

- Supported OS versions for the client are Win 7 32 bit, Win 7 64 bit, Win 8.1 and Win 10.
- Supported Web Browsers are Chrome v.36 or higher, IE 10 or higher.

IT INFORMATION

5. Specify the version of OS and SQL you will provide.	OS	SQL
6. How much space do you have for video storage? <i>Our Back Office Storage Calculator will help you determine the space needed.</i>		
7. Please select <u>one</u> of the integration options below to be used during the server software installation.		
<input type="checkbox"/> Option 1 - Full Active Directory Integration: The WatchGuard server will be joined to your local domain and your Active Directory will be used to authenticate users. (A Domain User will be required as a service account)		
<input type="checkbox"/> Option 2 – Standalone System on Domain: The WatchGuard server will be joined to your local domain but will NOT be integrated with your Active Directory. Users will be authenticated for Evidence Library using user accounts created and managed with Light Directory Services on the WatchGuard server.		
<input type="checkbox"/> Option 3 – Standalone System NOT on Domain: The WatchGuard server will not be joined to a domain and considered a standalone system in a WorkGroup environment. Users for Evidence Library will be authenticated using Light Directory Services installed on the WatchGuard server.		
8. What version of Active Directory do you have? <i>(Must be 2003 or later for AD integration)</i>		
9. Please provide a name for the WatchGuard server. <i>(ex. WGVIDSVR, WGMcKinneyPD)</i>		
10. Please provide a Static IP address for the WatchGuard server on your Agency's Network.		
11. What is the IP address of the Network Server Gateway?		
12. What is the DNS Server IP address?		

Basic Network Diagram



IT INFORMATION

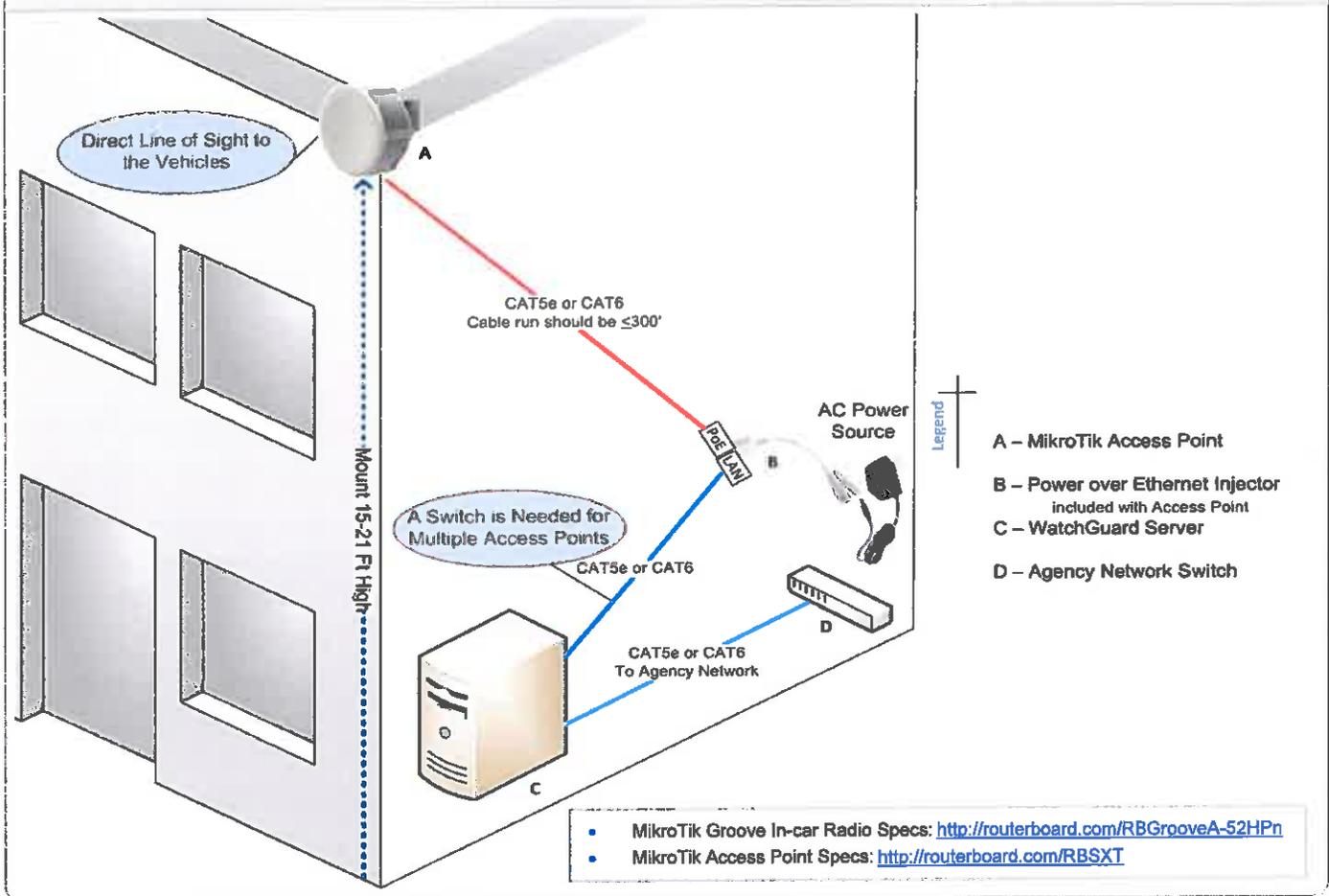
WIRELESS TRANSFER – These questions are only applicable if you purchased 4RE in-car systems with wireless.

1. The preferred system configuration for WatchGuard servers utilizes two Network Interface Cards (NICs) on the server. One is for connectivity to the agency network for users needing access to Evidence Library. The second NIC is for secure wireless connectivity through which evidence is transferred from the vehicles to the video server. This configuration keeps the wireless network isolated and provides an additional level of network security.

Is this acceptable to you?

Agencies that choose to use only 1 NIC will need to provide an IP address for each vehicle bullet and Access Points.

Access Point Wiring Diagram



Wireless components are configured with a hidden SSID and WPA2-AES Security with a 128-bit Pre-shared Key. If another type of security is desired, the department may be responsible for configuration of in-car wireless radios. If supplying your own Access Point it must be 5GHz 802.11n compatible.

2. Provide a subnet for the Wireless Network.
Please choose one or type your own.

3. Who will be installing the network cabling and Access Points for the wireless network?

Access point & Cabling Installer - Company Name

Contact Name

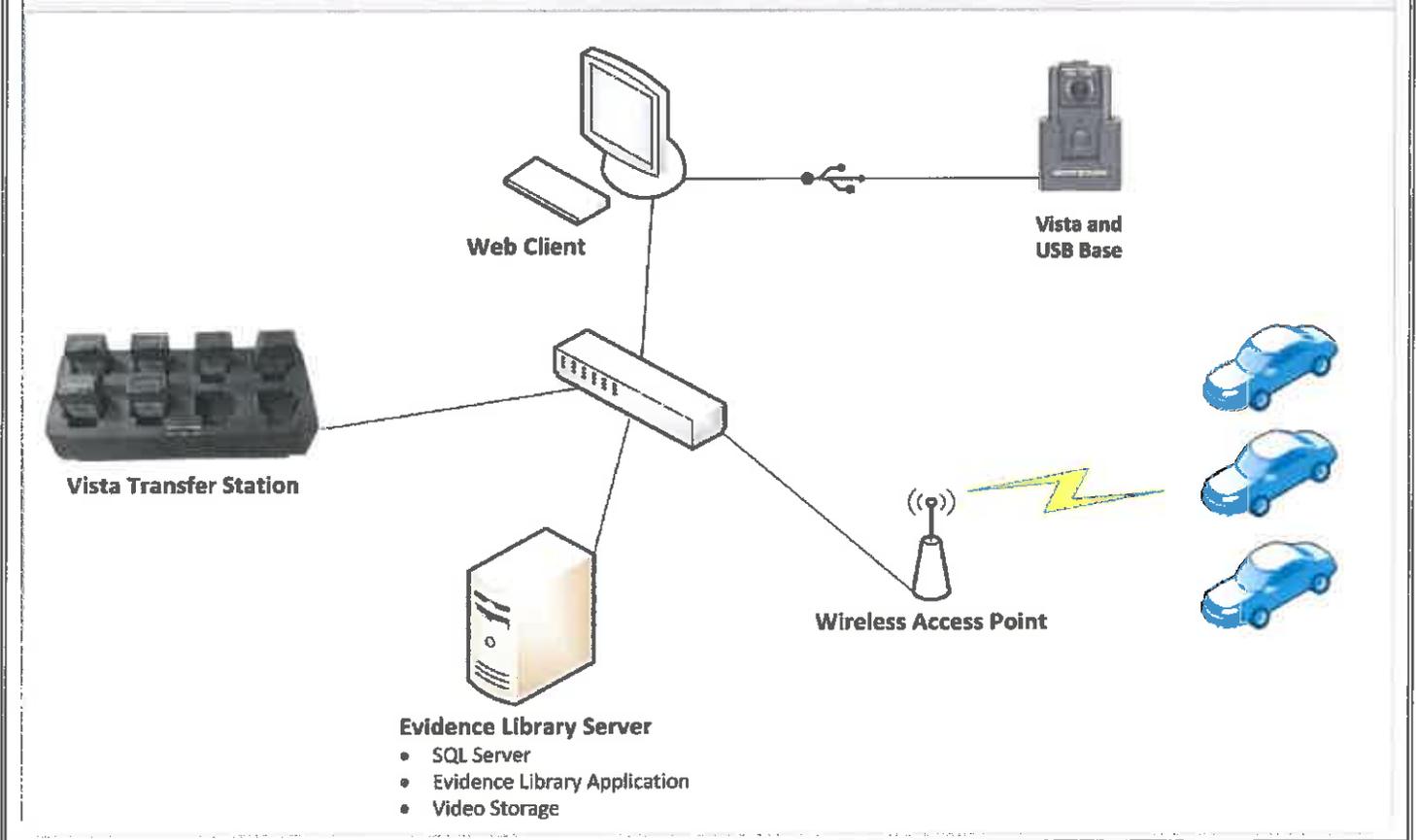
Phone Number

IT INFORMATION

VISTA TRANSFER STATION – These questions are only applicable if you purchased a Vista Transfer Station.
The information below is needed to configure the Vista Transfer Stations prior to shipment.

<p>1. Will the transfer station be installed on the Agency Network, Wireless Network or both? <i>If you are using the 4RE systems with wireless transfer the Transfer Station can be part of the 4RE wireless network.</i></p>	
<p>2. Would you like to use DHCP or assign Static IP addresses for the Vista Transfer Station/s and Vista cameras?</p>	
<p>3. Please indicate a range of IP Addresses to use for the Vista Transfer Station/s. <i>Each station will require 9 total IP addresses; 1 for the station and 1 for each of the 8 Vista cameras.</i></p>	
<p>4. Please list a Name for each Vista Transfer Station. (We recommend using A,B,C, etc)</p>	
<p>5. Please List the Transfer Station locations. (e.g. Room 523, Building 224) <i>The same name is recommended if multiple Transfer Stations are in the same location.</i></p>	

Deployment Diagram with Vista Transfer Station



415 Century Parkway
Allen, TX 75013
(800) 605-6734
www.watchguardvideo.com



4RE & VISTA Price Estimate

Provided By:
Contract #:

TOTAL PROJECT ESTIMATED AT

\$12,615.00

Agency Name: Marshall PD
Contact Person: William Huffman
Contact Info:
Date: January 20, 2016

Evidence Library, CLOUD-SHARE and Software Maintenance			Quantity	MSRP	Direct	Extended
KEY-EL4-SRV-001	Evidence Library 4 Web Server Site License	1	\$ 1,200.00	\$ 1,000.00	\$ 1,000.00	
SFW-EL4-CLD-BAS	Basic CLOUD-SHARE Including 24 Shares Per Device	0	\$ 150.00	\$ -	\$ -	
SFW-MNT-EL4-002	Software Maintenance, Evidence Library, 2nd Year	0	\$ 180.00	\$ 150.00	\$ -	
SFW-MNT-EL4-003	Software Maintenance, Evidence Library, 3rd Year	0	\$ 180.00	\$ 150.00	\$ -	
SFW-MNT-EL4-004	Software Maintenance, Evidence Library, 4th Year	0	\$ 180.00	\$ 150.00	\$ -	
SFW-MNT-EL4-005	Software Maintenance, Evidence Library, 5th Year	0	\$ 180.00	\$ 150.00	\$ -	
SFW-SQL-CAL-R21	Additional Software CAL, SQL Server 2008 R2, 1 CAL Pack	0	\$ 100.00	\$ 90.00	\$ -	
SFW-SQL-CAL-R25	Additional Software CALS, SQL Server 2008 R2, 5 CAL Pack	0	\$ 460.00	\$ 410.00	\$ -	

Watch Commander Live Video Streaming Application			Quantity	MSRP	Direct	Extended
SFW-WCM-KIT-100	Watch Commander Live Video Streaming Application	0	\$ 2,900.00	\$ 2,500.00	\$ -	
SFW-WCM-LIC-FEE	Watch Commander Annual License Fee, 1st Year (Months 1-12)	0	\$ 275.00	\$ 250.00	\$ -	
SFW-WCM-LIC-FEE	Watch Commander Annual License Fee, 2nd Year (Months 13-24)	0	\$ 275.00	\$ 250.00	\$ -	
SFW-WCM-LIC-FEE	Watch Commander Annual License Fee, 3rd Year (Months 25-36)	0	\$ 275.00	\$ 250.00	\$ -	
SFW-WCM-LIC-FEE	Watch Commander Annual License Fee, 4th Year (Months 37-48)	0	\$ 275.00	\$ 250.00	\$ -	
SFW-WCM-LIC-FEE	Watch Commander Annual License Fee, 5th Year (Months 49-60)	0	\$ 275.00	\$ 250.00	\$ -	

Server Hardware and Software			Quantity	MSRP	Direct	Extended
HDW-4RE-SRV-102	3U Rack Mount 16 SATA Drive Server, Intel Xeon E5-2609 2.4GHZ Quad Core, 8GB RAM, 2x128GB SSD 6GB/S MLC drives (boot) 3x500GB SATA 7,200 RPM drives (sql), Windows Server 2008 R2 64-bit, SQL Server 2008 R2 (SCAL), 3-Year full service (on-site or reimbursed) warranty. <i>This server system does NOT include supporting equipment like keyboards, network switches, monitor, etc.</i>	1	\$ 7,715.00	\$ 6,940.00	\$ 6,940.00	
Small to Medium sized agency. 6-15 concurrent systems.						

Video Storage <small>Drives will be added to server and/or JBOD</small>			Quantity	MSRP	Direct	Extended
HDW-4RE-HDD-4TB	4TB Hard Drives, Server Class, 7,200 rpm, 64MB Cache	5	\$ 555.00	\$ 490.00	\$ 2,450.00	
HDW-4RE-JBD-000	Optional JBOD Enclosure	0	\$ -	\$ -	\$ -	
HDW-4RE-RBT-000	Optional DVD Robot	0	\$ -	\$ -	\$ -	

Wireless Access Points			Quantity	MSRP	Direct	Extended
WAP-BLD-245-001	Wi-Fi Access Point, 802.11n, 2.4/5GHz, Digital Steering	0	\$ 3,270.00	\$ 3,270.00	\$ -	
WAP-KIT-05G-001	WiFi Access Point Kit, 802.11n, 5GHz, Omni-Directional	0	\$ 455.00	\$ 405.00	\$ -	
WAP-BLD-05G-001	Wi-Fi Access Point, 802.11n, 5GHz, Sector Antenna	0	\$ 285.00	\$ 250.00	\$ -	

Total IT Hardware and Software \$ 10,390.00

WatchGuard Video Technical Services			Quantity	MSRP	Direct	Extended
SVC-4RE-INS-100	4RE System Installation, In-Car (Per Unit Charge)	0	Quote	Quote	\$ -	
SVC-4RE-INS-101	4REm System Installation, Motorcycle (Per Unit Charge)	0	Quote	Quote	\$ -	
SVC-VID-REM-100	Video System Removal (Per Unit Charge)	0	Quote	Quote	\$ -	
SVC-4RE-ONS-400	4RE System Setup, Configuration, Testing and Training (Quantity represents number of sites)	1	\$ 2,780.00	\$ 2,000.00	\$ 2,000.00	
SVC-WGV-ONS-300	Access Point installations including cable runs (Work may be performed by a sub-contractor)	0	\$ 1,100.00	\$ 1,000.00	\$ -	

Total Technical Services \$ 2,000.00

Manual Adjustments		Quantity	MSRP	Direct	Extended
Description:					\$ -
Notes:	Applicable taxes may apply and are not necessarily accounted for on this estimate. Contact WatchGuard Video for a revised estimate. ESTIMATE VALID FOR 30 DAYS				
			Subtotal:	\$	12,390.00
			UPS Ground Shipping:	\$	225.00
			Taxes:	0.0%	\$ -
			Software & Server TOTAL:	\$	12,615.00

Financing for 4RE <small>Estimate Only Call for Detailed Quote</small>	<ul style="list-style-type: none"> Includes applicable warranty coverage You take ownership immediately. Fully paid off at end of term For a detailed quote, call WatchGuard to determine final project price, approximate date of first payment, desired financing term, and basic agency information 	Payments	3-Year	4-Year	5-Year
		Monthly	\$ 427	\$ 336	\$ 282
		Quarterly	Call Us	Call Us	Call Us
		Semi-Annual	Call Us	Call Us	Call Us
		Annual	Call Us	Call Us	Call Us

Note: This is only an estimate for 4RE related hardware, software and WG Technical Services. Actual costs related to a turn-key operation requires more detailed discussion and analysis, which will define actual back-office costs and any costs associated with configuration, support and installation. Please contact your sales representative for more details.



4RE Vehicle Information

Thank you for purchasing the 4RE In-car Video System! To complete your order we will need some additional information. Please fill out this questionnaire, save a copy and email it to Orders@WatchGuardVideo.com as soon as possible. If you have any questions or concerns about completing this document please let your Sales Manager know.

Department Name: **Marshall Police Department** Contact: **Lt William Huffman**

How many 4RE systems are on your order? **5**

Please list the vehicle types and equipment location preference below.

The default location selection below is the most commonly used configuration among our customers and will allow more mounting options than any other configuration we offer. Please call your Sales Manager if you have any questions or concerns regarding these options.

Qty	Vehicle (Year, Make & Model)	DVR Location	Display Location	HiFi Mic Base Location	WiFi Antenna Location (For Wireless Upload Only)
4	2016 Dodge Charger Pursuit	Trunk/Cage	Center Console	Passenger Visor Post	Roof (drill hole)
1	2016 Ford Interceptor SUV	Trunk/Cage	Passenger Visor Post	Passenger Visor Post	Roof (drill hole)
		Trunk/Cage	Passenger Visor Post	Passenger Visor Post	ELX (no WiFi)
		Trunk/Cage	Passenger Visor Post	Passenger Visor Post	ELX (no WiFi)
		Trunk/Cage	Passenger Visor Post	Passenger Visor Post	ELX (no WiFi)
		Trunk/Cage	Passenger Visor Post	Passenger Visor Post	ELX (no WiFi)
		Trunk/Cage	Passenger Visor Post	Passenger Visor Post	ELX (no WiFi)
		Trunk/Cage	Passenger Visor Post	Passenger Visor Post	ELX (no WiFi)
		Trunk/Cage	Passenger Visor Post	Passenger Visor Post	ELX (no WiFi)
		Trunk/Cage	Passenger Visor Post	Passenger Visor Post	ELX (no WiFi)
		Trunk/Cage	Passenger Visor Post	Passenger Visor Post	ELX (no WiFi)
		Trunk/Cage	Passenger Visor Post	Passenger Visor Post	ELX (no WiFi)
		Trunk/Cage	Passenger Visor Post	Passenger Visor Post	ELX (no WiFi)
		Trunk/Cage	Passenger Visor Post	Passenger Visor Post	ELX (no WiFi)

Installation

Who is responsible for the 4RE installations? Department will provide installation

Who is responsible for removing existing video systems? No existing systems to remove

Please provide contact information for your installer so we can provide training and/or support as needed.

Company Name: **Teeco Safety Inc**

Contact: **Randy Nash**

Address: **P.O. Box 7784 1360 Grimmer Dr. Shreveport, LA 71107** Contact Number: **(318) 424-5176**

NOTES: