



Memorandum

To: Mayor Nelson and Members of the City Council
From: Douglas M. Ebeltoft, Director of Public Safety/Police Chief
Date: February 27, 2020
Subject: Terrace Park and Arthur Street Pumphouse Camera Systems

Mayor and City Council,

Currently, we have run into an issue with the above camera systems at Terrace Park and the Arthur Street Pumphouse. Both systems have experienced a catastrophic failure of the DVR's. Our camera service provider (Comm-Works, Inc./JSB Surveillance) has tried to address the issue, but our DVR's are no longer being made and are not serviceable. The cameras that we are using with the existing DVR's would require considerable work to adopt to a new DVR. The work required would make this option not cost effective.

Replacing the DVR's and Cameras at Terrace Park and Arthur Street Pumphouse would then require utilizing new software to be able to view the camera systems, hence requiring the rest of the old system to run separately from the new system.

Our current camera systems, at all of our parks and pumphouses, were installed in April of 2016; the DVR's are at the end of their life expectancy, which is four to five years.

I have received a quote to replace the DVR's and Cameras at the above locations (see attached). Since all of the rest of the existing equipment is at its life expectancy, I have also requested quotes (see attached) to replace the DVR's and cameras at the rest of our locations. It will be only a matter of time before the rest of the DVR's and camera's experience the same catastrophic failure and will need to be replaced.

The quoted cost to replace the DVR's and cameras are listed below, these quotes do not cover anything that would be found existing that needs to be repaired or replaced.

Terrace Park and the Arthur Street Pumphouse- \$10,815.00.

Able Park, Lakeside Park and City Hall - \$18,650.00

Total Cost- \$29,465.00

I have consulted with Administrator Buchholtz regarding the catastrophic failure issues being experienced and the aging condition for the rest of our equipment. At this point, we do not have any other options for Terrace Park and the Arthur Street Pumphouse but to replace the needed equipment.

Therefore, I am asking authorization from the Mayor and City Council to be able to facilitate the purchase, order and installation of the equipment for Terrace Park and the Arthur Street Pumphouse.

If the Mayor and City Council would want to consider addressing the rest of the camera systems at the other locations in our city, I would need authorization to facilitate the purchase, order and installation of the equipment for all the camera system locations in our city.

If authorization is provided for Terrace Park and the Arthur Street Pumphouse, I would request that \$2,500.00 be added to the quoted price to help cover unexpected repairs/costs. The total cost for approval would be \$13,315.00.

If authorization is provided for all camera locations in our city, I would request that \$6,250.00 or \$1,250.00 per location be added to the total quoted cost to help cover unexpected repairs/costs at all locations. The total cost for approval would be \$35,715.00.

I am looking for guidance of the wishes of the Mayor and City Council regarding this issue.

JSB-CV202A5

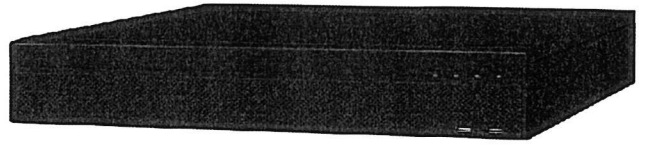
HD / 5MP, IR Vandal Dome, 2.8-12mm lens,
Indoor / Outdoor, Weatherproof, IR, ICR, OSD,
IP67, IR Distance: 120 Ft, 5-Year Warranty



Image Device	Megapixel
Lens	2.8-12 mm
Power Consumption	Max 5W
Day / Night	Auto (ICR) / Color / B&W
Minimum Illumination	0.05Lux@F1.2 (AGC ON), 0Lux IR on
Noise Reduction	2D / 3D
Lens Mount Type	Autofocus
Transmission Distance	Over 300m via 75-3 Coaxial Cable
IR LED	120ft (35 Meter), Smart IR
Video Output	1-channel BNC HDCVI High Definition Video Output / CVBS Standard Definition Video Output (Can Switch)
Ingress Protection	IP67 & IK10
OSD Menu	Support
Operating Temperature	-40°C ~ +60°C / Less than 95%RH (No
Dimensions	Condensation) 4.8in x 3.5in (122mmx89mm)
Weight	1 lb (0.45 kg)
Warranty	5 Year Warranty

JSB-CV16HD

16-Channel HD DVR - Up to 4K
Resolution, Remote Camera Access,
Works with HD & IP Cameras



FEATURES

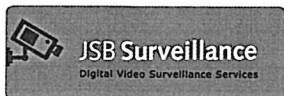
Delivers high megapixel full HD 1080p & 4K quality video over Coax and Ethernet

- Twelve times the resolution of standard cameras
- Works with HD, IP, and analog cameras
- Supports up to 12 Megapixel Resolution
- HD video is seen in real-time without corruption or pixelation due to network latency
- H.265 video compression with high reliability and superior definition
- Simultaneous VGA and HDMI output
- Quick & Easy search function
- 8 channel video input and 4CH audio output
- Pan Tilt Zoom functionality
- Remote configuration & Firmware upgrade
- Quick setup for easy & fast configuration
- Alarm, Motion Detection, Video Loss, HDD Failure
- E-mail notification
- N.T.P (Network Time Protocol)
- S.M.A.R.T
- Easy Backup (USB or DVD or External HDD)
- Multiple language
- Dual Streaming
- Digital Zoom Function on the network client software
- Smart Phone Viewer for Apple and Android

JSB-CV16HD

CONTINUED

Description	16 CH HD-DVI Tribrid Stand Along Digital Video Recorder
HDD	Accommodate 2 HDDs
HDD	Up to 2 x 10TB Hard Drives
ODD	N / A
Video Compression Format	H.265
Video Input	16 x BNC
Max HDD Size	2 x 10 TB HDD (Up to 20TB max)
Max. User Access	128 Users
Privacy Masking	4 Rectangular Zones (Each Camera)
Recording Video / Audio Compression	H.265/G.711
Smart Phone Support	iPhone, iPad, Android, Windows Phone
Video Output	1 x HDMI / 1 x VGA
Audio Input / Output	2 Audio Inputs, 1 Audio Output (Mono)
Backup Device	USB 2.0 Flash Drive / Network
Ethernet	10/100/1000 base-TX Ethernet (RJ-45)
Maximum Recording Rate	1080P(1~12/15fps), 720P/960H/D1 (1~25/30fps)
Network Protocol	HTTP, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, PPPOR, FTP, IP SNMP, P2P
Event Notification	Yes
Motion Detection	Yes
Recording Resolution	4K/1080P/720P/960H/D1/4CIF
IR Remote Control	Yes
Serial Interface	1 RS-485
Mobile Surveillance	Yes
PTZ Control	Yes
Mouse and Remote	Included
Video Loss Detection	Yes
Power Source	DC 12V 5A
Power Consumption	15W (w/o HDD)
Operating Temperature	-10°~+55°
Dimensions	1, 375mmx 285mmx 55mm
Warranty	5 Year Warranty
Single Unit Weight	5.1 lb
Quantity Per Carton	5 Units / Master Carton
Carton Weight	42 lb / Master Carton



235 Kentucky Ave S
Golden Valley, MN 55426

2/27/2020

Estimate #

4893

Name / Address

TERRACE PARK
7800 TERRACE ROAD NE
SPRING LAKE PARK, MN 55432

Project

Item	Description	Qty	Rate	Total
JSB-CV16HD	16-CHANNEL HD DVR, 6 TERABYTE HARD DRIVE, HYBRID DVR - WORKS WITH ANALOG AND HD CAMERAS, BUILT-IN REMOTE ACCESS	1	1,550.00	1,550.00T
JSB-CV202A5	HD DOME CAMERA - 5MP, RESOLUTION, AUTOFOCUS 2.8-12MM LENS, INDOOR/OUTDOOR RATED, BUILT-IN IR FOR EXCELLENT DAY/NIGHT VIDEO	13	235.00	3,055.00T
Camera Power Supply	18 PORT CAMERA POWER SUPPLY BOX	1	185.00	185.00T
Battery Backup Device		1	190.00	190.00T
INSTALLATION	INSTALLATION OF 13 CAMERAS USING EXISTING CUSTOMER CABLING. INCLUDES DVR PROGRAMMING, REMOTE ACCESS SETUP, AND TRAINING. PROVIDE ALL NECESSARY LABOR FOR THE INSTALLATION OF 13 NEW CAMERAS -INSTALLATION OF NVR/DVR & REMOTE ACCESS SETUP -PROGRAM DVR/NVR -TEST AND LABEL ALL CABLING. -CLEAN UP WORK AREAS, PROVIDE TRAINING **QUOTE BASED ON NORMAL BUSINESS HOURS - 7AM-5PM	1	1,480.00	1,480.00
Subtotal				\$6,460.00

Sales Tax (0.0%)

\$0.00

Total

\$6,460.00

Phone #

Fax #

952-545-0115

866-681-8195

Web Site

www.jsbsurveillance.com



235 Kentucky Ave S
Golden Valley, MN 55426

2/27/2020

Estimate #

4894

Name / Address

ARTHUR STREET PUMP HOUSE

Project

Item	Description	Qty	Rate	Total
JSB-CV16HD	16-CHANNEL HD DVR, 6 TERABYTE HARD DRIVE, HYBRID DVR - WORKS WITH ANALOG AND HD CAMERAS, BUILT-IN REMOTE ACCESS	1	1,550.00	1,550.00T
JSB-CV202A5	HD DOME CAMERA - 5MP, RESOLUTION, AUTOFOCUS 2.8-12MM LENS, INDOOR/OUTDOOR RATED, BUILT-IN IR FOR EXCELLENT DAY/NIGHT VIDEO	6	235.00	1,410.00T
Camera Power Supply	18 PORT CAMERA POWER SUPPLY BOX	1	185.00	185.00T
Battery Backup Device		1	190.00	190.00T
INSTALLATION	INSTALLATION OF 6 CAMERAS USING EXISTING CUSTOMER CABLING. INCLUDES DVR PROGRAMMING, REMOTE ACCESS SETUP, AND TRAINING. PROVIDE ALL NECESSARY LABOR FOR THE INSTALLATION OF 6 NEW CAMERAS -INSTALLATION OF NVR/DVR & REMOTE ACCESS SETUP -PROGRAM DVR/NVR -TEST AND LABEL ALL CABLING. -CLEAN UP WORK AREAS, PROVIDE TRAINING **QUOTE BASED ON NORMAL BUSINESS HOURS - 7AM-5PM	1	1,020.00	1,020.00
Subtotal				\$4,355.00

Sales Tax (7.525%)

\$250.96

Total

\$4,605.96

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Web Site

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235 Kentucky Ave S
Golden Valley, MN 55426

2/27/2020

Estimate #

4897

Name / Address

ABLE PARK
8200 ABLE STREET NE
SPRING LAKE PARK, MN 55432

Project

Item	Description	Qty	Rate	Total
JSB-CV16HD	16-CHANNEL HD DVR, 6 TERABYTE HARD DRIVE, HYBRID DVR - WORKS WITH ANALOG AND HD CAMERAS, BUILT-IN REMOTE ACCESS	1	1,550.00	1,550.00T
JSB-CV202A5	HD DOME CAMERA - 5MP, RESOLUTION, AUTOFOCUS 2.8-12MM LENS, INDOOR/OUTDOOR RATED, BUILT-IN IR FOR EXCELLENT DAY/NIGHT VIDEO	8	235.00	1,880.00T
Camera Power Supply	18 PORT CAMERA POWER SUPPLY BOX	1	185.00	185.00T
Battery Backup Device		1	190.00	190.00T
INSTALLATION	INSTALLATION OF 8 CAMERAS USING EXISTING CUSTOMER CABLING. INCLUDES DVR PROGRAMMING, REMOTE ACCESS SETUP, AND TRAINING. PROVIDE ALL NECESSARY LABOR FOR THE INSTALLATION OF 8 NEW CAMERAS -INSTALLATION OF NVR/DVR & REMOTE ACCESS SETUP -PROGRAM DVR/NVR -TEST AND LABEL ALL CABLING. -CLEAN UP WORK AREAS, PROVIDE TRAINING **QUOTE BASED ON NORMAL BUSINESS HOURS - 7AM-5PM	1	1,200.00	1,200.00
			Subtotal	\$5,005.00
			Sales Tax (0.0%)	\$0.00
			Total	\$5,005.00

Phone #

Fax #

952-545-0115

866-681-8195

Web Site

www.jsbsurveillance.com



235 Kentucky Ave S
Golden Valley, MN 55426

2/27/2020

Estimate #

4898

Name / Address
LAKE SIDE PARK

Project

Item	Description	Qty	Rate	Total
JSB-CV16HD	16-CHANNEL HD DVR, 6 TERABYTE HARD DRIVE, HYBRID DVR - WORKS WITH ANALOG AND HD CAMERAS, BUILT-IN REMOTE ACCESS	1	1,550.00	1,550.00T
JSB-CV202A5	HD DOME CAMERA - 5MP, RESOLUTION, AUTOFOCUS 2.8-12MM LENS, INDOOR/OUTDOOR RATED, BUILT-IN IR FOR EXCELLENT DAY/NIGHT VIDEO	10	235.00	2,350.00T
TVI-916H	BULLET CAMERA WITH VARIFOCAL 5-50MM LENS AND BRACKET	1	525.00	525.00T
Camera Power Supply	18 PORT CAMERA POWER SUPPLY BOX	1	185.00	185.00T
Battery Backup Device		1	190.00	190.00T

Subtotal

Sales Tax (7.525%)

Total

Phone #

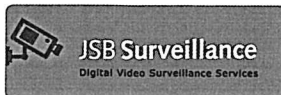
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Web Site

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235 Kentucky Ave S
Golden Valley, MN 55426

2/27/2020

Estimate #

4898

Name / Address

LAKE SIDE PARK

Project

Item	Description	Qty	Rate	Total
INSTALLATION	INSTALLATION OF 11 CAMERAS USING EXISTING CUSTOMER CABLING. INCLUDES DVR PROGRAMMING, REMOTE ACCESS SETUP, AND TRAINING. PROVIDE ALL NECESSARY LABOR FOR THE INSTALLATION OF 11 NEW CAMERAS -INSTALLATION OF NVR/DVR & REMOTE ACCESS SETUP -PROGRAM DVR/NVR -TEST AND LABEL ALL CABLING. -CLEAN UP WORK AREAS, PROVIDE TRAINING **QUOTE BASED ON NORMAL BUSINESS HOURS - 7AM-5PM	1	1,400.00	1,400.00
Subtotal				\$6,200.00
Sales Tax (7.525%)				\$361.20
Total				\$6,561.20

Phone #

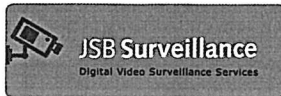
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Web Site

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235 Kentucky Ave S
Golden Valley, MN 55426

2/27/2020

Estimate #

4898

Name / Address

CITY HALL

Project

Item	Description	Qty	Rate	Total
JSB-CV16HD	16-CHANNEL HD DVR, 6 TERABYTE HARD DRIVE, HYBRID DVR - WORKS WITH ANALOG AND HD CAMERAS, BUILT-IN REMOTE ACCESS	1	1,550.00	1,550.00T
JSB-CV202A5	HD DOME CAMERA - 5MP, RESOLUTION, AUTOFOCUS 2.8-12MM LENS, INDOOR/OUTDOOR RATED, BUILT-IN IR FOR EXCELLENT DAY/NIGHT VIDEO	12	235.00	2,820.00T
TVI-916H	BULLET CAMERA WITH VARIFOCAL 5-50MM LENS AND BRACKET	1	525.00	525.00T
Camera Power Supply	18 PORT CAMERA POWER SUPPLY BOX	1	185.00	185.00T
Battery Backup Device		1	190.00	190.00T
		Subtotal		
		Sales Tax (7.525%)		
		Total		

Phone #

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235 Kentucky Ave S
Golden Valley, MN 55426

2/27/2020

Estimate #

4898

Name / Address

CITY HALL

Project

Item	Description	Qty	Rate	Total
INSTALLATION	INSTALLATION OF 12 CAMERAS USING EXISTING CUSTOMER CABLING. INCLUDES DVR PROGRAMMING, REMOTE ACCESS SETUP, AND TRAINING. PROVIDE ALL NECESSARY LABOR FOR THE INSTALLATION OF 12 NEW CAMERAS -INSTALLATION OF NVR/DVR & REMOTE ACCESS SETUP -PROGRAM DVR\NVR -TEST AND LABEL ALL CABLING. -CLEAN UP WORK AREAS, PROVIDE TRAINING **QUOTE BASED ON NORMAL BUSINESS HOURS - 7AM-5PM	1	1,700.00	1,700.00
LIFT RENTAL		1	475.00	475.00T

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Fax #

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