Resolution No. 13-1

Whereas, the Sangamon County Buildings and Grounds Department has requested and received bids to replace the outdated DVR equipment that is no longer supported due to the age of the equipment and when attempting to update the time of recorded storage caused two DVR's to fail and the need to replace immediately.

Whereas, Seico Security Electronic Integrated Company proposes to furnish and install the necessary labor, materials, tools and supervision to perform the following work on the DVR monitoring system that controls and monitors all the cameras recordings in the Courthouse and Jail facilities.

Seico will replace the defective outdated DVR 's with a new operating system allowing for more storage time, improved quality, high performance, reliability, capacity and software applications, licenses and will wire, mount, program, test and train on all new equipment, providing a three year warranty.
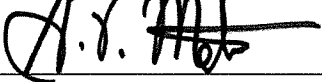
Be it resolved that Sangamon County Board in session on Tuesday, the 8th day of August, 2017 approves these technical monitoring system replacements for monitoring in the Courthouse and Jail for the amount to be no more that the total listed below.

Name of Company:    Seico Security Electronic Integration Company

Address:    132 Court St.  Pekin, IL  61554-3105

Amount of Contract:  $98,316.00

Respectfully Submitted,

_____, Sangamon County Board Chairman

Building & Grounds Committee

_____, Chairman    _____

_____    _____

_____    _____

_____

# SECURITY ELECTRONICS INTEGRATION COMPANY

132 Court Street • Pekin, IL 61554-3105
Phone (309) 347-3200 • Fax (309) 347-5730 • After Hours (309) 673-2815

www.SeicoSecurity.com

SERVING SINCE 1972
- FINANCIAL
- COMMERCIAL
- INDUSTRIAL
- RETAIL
- CORRECTIONAL
- EDUCATIONAL

- ACCESS CONTROL SYSTEMS

- ATM SECURITY

- AUDIO / VIDEO
  - Smart Classrooms
  - PA / Sound Systems
  - Conference Rooms
  - Intercoms

- BANK EQUIPMENT
  - Drive-up Systems
  - Safes, Vault Doors
  - Safe Deposit Boxes
  - Undercounter Cabinetry

- BURGLAR ALARMS

- CENTRAL STATION MONITORING

- DIGITAL VIDEO SYSTEMS
  - Analog / IP / Megapixel
  - Day / Night
  - Fiber Optics
  - Wireless Transmission Systems

- FIRE ALARMS

- FIRE ALARM INSPECTIONS

- HOLD UP ALARMS

- PHOTO I.D. SYSTEMS
  - Accessories
  - Laminates
  - PVC

- SECURITY CONSOLES

- TURNSTILES & GATE OPERATORS

## *Option - Z-Series*

(3)  Exacqvision 6408-78T-R4Z-E – 64 analog channels, 64 IP channels, 66TB, Enterprise licensing
(3)  RAID 6 included
(3)  Rack Rails
(8)  Enterprise IP licenses
(160)  Mini BNC jumpers
Installation
Programming
Testing
Training

**Project Total          $98,316.00***

SEICO will wire, mount, terminate, program, test, and train on all new equipment.

**Customer to provide:  120VAC where needed, existing wiring, existing devices**

**Any nonfunctioning hardware that is reused will be dealt with on a time and material basis.**

Warranties:  All manufacturers' warranties apply to equipment.  Installation is warranted for ninety days after completion.

Terms:  A fifty percent deposit is required to initiate order.
The balance of equipment is due upon receipt by SEICO.
The remaining balance will be due upon completion of the job.
Overdue invoices will be subject to a 1.5% interest rate per month and any collection fees (including reasonable attorney's fees).
Payment to SEICO, Inc. is not dependent on payment terms from a general contractor or end user.

133

# SECURITY ELECTRONICS INTEGRATION COMPANY

132 Court Street · Pekin, IL 61554-3105
Phone (309) 347-3200 · Fax (309) 347-5730 · After Hours (309) 673-2815

## SEICO
www.SeicoSecurity.com

*Additional charge for shipping.

Quote valid for 30 days.

SEICO, Inc. is a minority certified business.

SEICO, Inc. is an IBEW union contractor.

Please call with any questions.

Sincerely,

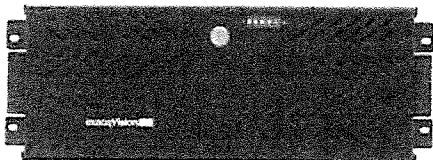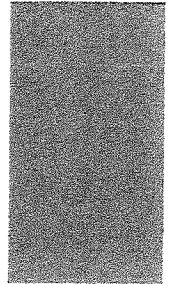Brad Juergens          *Proposal Accepted*_____          *Date*_____

# exacqVision Z-Series
## High Performance, Reliability, Capacity
## Hybrid Video Recorders



### High Performance
- Continuously records up to 1,200 Mbps of video
- Supports many simultaneous video to web/mobile clients with 900 FPS HD video
- Simultaneously connect up to 1000 remote clients
- Optional dual 10Gbps network interfaces for fast archiving or mass client performance

### High Reliability
- Continuously record during single power source failure with dual power supplies
- Enterprise-class, continuous-duty hard drives
- Uninterrupted operation and video preservation in event of one or two drive failures via RAID 5 or RAID 6
- Hot spare drive options for automatic replacement of failed drive
- Solid-state drive for Linux or Windows operating system
- Monitors hardware health in exacqVision client and with email/text notifications

### High Capacity
- Up to 128 IP cameras (8 licenses included)/64 analog cameras per recorder
- Compatible with thousands of IP camera models
- Store up to 120TB with front-accessible storage
- Expandable to over 1.6PB with exacqVision S-Series networked storage
- Compatible with all exacqVision recorders and software for maximum scalability

### Powerful VMS Software
- Pre-configured with exacqVision Professional software (standard)
  - EasyConnect automatically finds, addresses and connects IP cameras
  - EasyConnect - automatically finds, addresses and connects IP cameras
  - Powerful integration with retail, financial and access control systems
  - Conduct investigations on recorded video, audio and data with thumbnail or timeline search
  - Bookmark important video for long-term retention
  - Video multi-streaming to optimize storage utilization and network traffic
- View video anywhere (standard)
  - Unlimited Windows/Linux/Mac PC clients
  - Live and recorded video from any browser and most tablets and smartphones
- Upgrade to exacqVision Enterprise software (optional)
  - VideoPush to remotely control video wall clients
  - Case management to organize critical evidence
  - Active Directory/LDAP for IT administration of users
  - Easy, single-screen administration of cameras, users, storage and notifications

### Host Certified Software Applications (CSA)
- Install CSAs such as video analytics, access control and POS software
- Tested by Exacq to ensure compatibility
- Save money and rack space with single security server

### 3-Year Warranty
- Includes a 3-year hardware warranty and technical support from one source
- Receive constantly increasing VMS functionality with 3 years of unlimited software updates included

exacq
*From Tyco Security Products*

| ANALOG SETTINGS | 2U SERVER | 4U SERVER |
|---|---|---|
| Video Inputs | 16 looping/32 | 16 looping/32 looping/48/64 |
| Compression | H.264, MJPEG | |
| Frame Rate | 30 FPS (NTSC) or 25 FPS (PAL) per camera | |
| Alarm Inputs | 16 TTL | |
| Alarm Outputs | 15 TTL & 1 Relay | |
| Audio Inputs | 16 | |
| Audio Outputs | 2 | 2/2/4/4 |

| IP SETTINGS | 2U SERVER | 4U SERVER |
|---|---|---|
| Maximum IP Cameras | 128 | |
| Included IP Licenses | 8 | |
| Alarm Inputs | 4 | 8 |
| Alarm Outputs | 1 TTL & 1 Relay | 3 TTL & 1 Relay |

| SERVER | 2U SERVER | 4U SERVER |
|---|---|---|
| Pre-Loaded VMS Software | Professional (standard), Enterprise (optional) | |
| Typical Video Storage Rate | 400 Mbps (Windows) 800 Mbps (Linux) | 800 Mbps (Windows) 1200 Mbps (Linux) |
| Local Client Display Rate (FPS) | 700 FPS HD (Windows) / 900 FPS HD (Linux) | |
| Maximum Hard Drives | 8 | 20 |
| Maximum Storage | 48 TB RAID 5 | 120 TB RAID 6 |
| Monitor Output | 1 DVI-I + 1 HDMI + 1 DisplayPort, max 2 simultaneous monitors | |
| Operating System | Windows 7 64-bit, Windows 2012 (optional), Ubuntu Linux 14.04 | |
| CPU | Gen 4 Intel Core i7 / Gen 4 Intel Xeon E3 (optional) | |
| RAM | 8 GB, 16 GB (optional) | |
| NIC | 2 x 1 Gbps, 2 x 10 Gbps SPF+ (optional) | |
| USB | 8 (2 front, 6 rear) | |
| DVD | External (optional) | |
| Serial | 1 RS485 | |
| Audio Outputs | 1 | |
| Keyboard & Mouse | Included | |

| GENERAL | 2U SERVER | 4U SERVER |
|---|---|---|
| Dimensions | 27" x 16.875" x 3.5" <br> 68.6 x 42.9 x 8.9 cm | 27 x 16.875" x 7" <br> 68.6 x 42.9 x 17.8 cm |
| Weight | 40 - 55 lbs. / 18.2 - 25 kg | 49 - 90 lbs. / 22.3 - 40.9 kg |
| Regulatory | CE, FCC, cULus, UL Listed | |
| Power Supplies | Dual Hot Swap | |

## Related Products

exacqVision
VMS Software

Exacq Mobile App

exacqVision
S-Series Storage

exacqVision Surveillance
Keyboard

www.exacq.com

Generated for bjuergens@seicosecurity.com of Seico Security Systems
# exacqVision Configuration Report

Date: 2017-07-25

Dealer Name:

Product Location:

Product Description:

Configuration #: M1TTLBGQYZ

## Configuration Information

### Camera Information:

| Description | Type | Make | Model | Resolution | Compression | Frame Rate | Normal Hours | Low Light Hours | Days Stored | Camera Traffic (Mbps) | Storage Rate (Mbps) | Total Storage (GB) | IP Qty | Analog Qty |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ANALOG | Analog | N/A | N/A | 2CIF | H.264 / MPEG4 | 15 | 4 | 0 | 90 | 0.0 | 51.5 | 14308 | 0 | 160 |

### Server Information:

| Qty | Model | Description | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 6408-48T-R4A-E | Hybrid 4U recorder with 8 IP cameras licenses (64 max) and 64 analog at 30 FPS. exacqVision Professional or Enterprise client, server, web/mobile software pre-installed with 3 years software upgrades and hardware warranty. Win7 or Linux 14.04 on SSD. HDMI, DVI-i, DisplayPort (2 max simultaneous), Dual GB NICs, 4 multiplexed monitor outputs, RS-485 serial port, 16 alarm inputs, 16 alarm outputs, 16 audio inputs. Keyboard and mouse included. | 4500.0 | 1050.0 | 126000 | 192 | 192 |

Product Website - Product Specsheet

| | | | | |
|---|---|---|---|---|
| Spare Capacity ( + / - ): | 4500 | 998.5 | 111692 | 192 | 32 |

## Terms, Conditions, and Warnings

This calculator generates approximate storage and bandwidth estimations. The values provided are for planning purposes only.

Exacq Servers include a three year Software Support Agreement (SSA), which provides software updates and technical support. This agreement may be extended with the purchase of a SSA.

Server includes rackmount ears, rackmount rails purchased separately.

Selecting the RAID option will reduce usable storage. Please select RAID on step 2 and re-select a recorder on step 3 to properly calculate storage.

exacq
www.exacq.com
+1.317.845.5710    USA (Corporate Headquarters)
+44.2087.505660    United Kingdom / Europe
+852.8120.9275    Hong Kong
+65.6319.9826    Asia/Pacific
Page 3 of 3
07/25/2017