

TO: James L. App, City Manager
FROM: Ty Lewis, Police Lieutenant
SUBJECT: RFP #13-07; Access Control and Video System Upgrades
DATE: June 19, 2013

NEEDS: For the City Council to consider awarding a bid to Integrity Systems Inc. in the amount of \$40,000 to upgrade the Public Safety Center's Access Control and Video Systems. Authorize IT staff to make necessary computing infrastructure purchases up to \$10,000, to support the installation of an upgraded security system.

FACTS:

1. The Police Department has allocated \$50,000 of Supplemental Law Enforcement Service Funds (SLESF) and Citizens' Option for Public Safety (COPS) funding to upgrade/replace aging and broken building security system components.
2. The City Council previously authorized these funds be used to replace and/or upgrade the Public Safety Center's building security components.
3. Purchases exceeding \$10,000 require competitive bid.
4. On May 24, 2013 the Police Department issued a Request for Proposal (RFP) for Public Safety Center Access Control and Video Surveillance System Upgrades, Expansion and Maintenance Services.
5. Integrity Services Inc. achieved the best ranked score in the rating matrix. Integrity Services Inc. submitted a bid price of \$40,000 which includes software, hardware, implementation services and maintenance for (1) one year.
6. An additional \$10,000 of Supplemental Law Enforcement Service Funds (SLESF) and Citizens' Option for Public Safety (COPS) funding has been designated for necessary computer workstation, computer server and software upgrades, not covered in the bid, to support the installation of an upgraded security system.

**ANALYSIS &
CONCLUSION:**

The Public Safety Center is currently equipped with aging building security systems. Current system wiring, hardware, software, access controllers, and closed circuit cameras are failing and unreliable. The Police Department is seeking reliable and consistent building access control and video surveillance systems that use the latest technology that will enhance staff efficiency through remote access, monitoring and recording.

Proposals for security systems were submitted by three (3) companies. These proposals were evaluated based on a combination of factors representing the best overall value to the

City for completing the scope of work including: specific selection criteria (see rating matrix attached); results of background and reference checks and proposed cost.

At the conclusion of the evaluation process, Integrity Systems Inc. of Atascadero, California received the highest ranking. Key decision factors included: a) Experience with upgrading, expanding and maintaining existing access and video monitoring systems for public safety facilities; b) The ability to provide a reliable and consistent security system that uses the latest technology; c) The ability to perform services at a fixed contract price of \$40,000; d) Responsiveness to RFP specifications; and e) The ability to provide timely on-site service for system malfunction, repair and routine maintenance and upgrades.

POLICY

REFERENCE: City purchasing policy.

FISCAL

IMPACT: One time cost of \$50,000 from Supplemental Law Enforcement Service Funds (SLESF) and Citizens' Option for Public Safety (COPS) funding. No General Fund impact.

OPTIONS:

- a. Adopt Resolution No. 13-xx awarding the bid to upgrade the Public Safety Center's Access Control and Video Surveillance Camera Systems to Integrity Systems, Inc. in the amount of \$40,000 and authorizing staff to make necessary additional computing purchases to support such upgrades, up to \$10,000. Authorize the Chief of Police to execute associated contract agreements.
- b. Amend, modify, or reject the above option.

Attachments:

- 1) RFP issued by City
- 2) Police Department Access Control and Video Surveillance Camera System RFP Summary and Criteria Rating Matrix
- 3) Integrity Systems Inc. Proposal

RESOLUTION NO. 13-xxx

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF EL PASO DE ROBLES
AUTHORIZING A BID AWARD TO INTEGRITY SYSTEMS, INC. FOR THE UPGRADE OF THE
PUBLIC SAFETY CENTER'S ACCESS CONTROL AND VIDEO SURVEILLANCE SYSTEMS

WHEREAS, the City Council of El Paso de Robles authorized the upgrade of the Public Safety Center's Access Control and Video Surveillance Systems for the Public Safety Center through the use of Supplemental Law Enforcement Service Funds and Citizens' Option for Public Safety funds; and

WHEREAS, purchases exceeding \$10,000 require a competitive bid process by City purchasing rules; and

WHEREAS, the City Police Department issued a Request for Proposal (RFP) for the upgrade of the Public Safety Center's Access Control and Video Surveillance Systems on May 24, 2013 and received several proposals; and

WHEREAS, Integrity Systems, Inc. achieved the best ranked score in the evaluation process and was determined to best meet the requirements of the RFP and needs of the City of Paso Robles; and

NOW, THEREFORE, BE IT HEREBY RESOLVED that the City Council of the City of El Paso de Robles does award the upgrade of the Public Safety Center's Access Control and Video Surveillance Systems to Integrity Services, Inc. in the amount of \$40,000 and staff is authorized to make necessary additional purchases up to \$10,000 to support such upgrades. The Chief of Police is authorized to execute associated contract agreements.

APPROVED AND ADOPTED by the City Council of the City of El Paso de Robles this 2nd day of July, 2013 by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

Duane Picanco, Mayor

ATTEST:

Caryn Jackson, Deputy City Clerk

CITY OF EL PASO DE ROBLES, CA

NOTICE INVITING PROPOSALS FOR RFP

PROJECT NO. 13-07

POLICE DEPARTMENT ACCESS CONTROL AND VIDEO SURVEILLANCE CAMERA SYSTEM

UPGRADES, EXPANSION AND MAINTENANCE SERVICES

NOTICE IS HEREBY GIVEN that the City of Paso Robles is soliciting proposals from qualified firms to upgrade existing building access control and video surveillance systems at the Public Safety Center building. The work is funded in part through a Supplemental Law Enforcement Services Funds (SLESF) and Citizens' Option for Public Safety (COPS) Award. The contract price for the upgrades and expansion is \$40,000; the 5 year post-warranty maintenance will be priced separately.

PROJECT LOCATION: Paso Robles Police Department

REQUIRED QUALIFICATIONS. Proposers must have at the time bids are submitted and maintain through performance of the Work a California contractor's license class C-10 (Electrical Contractor) or C-27 (Low Voltage Systems Contractor). Contractor and subcontractor employees who will perform work on this project will be subject to a background investigation.

GENERAL SCOPE OF WORK: The Contractor shall provide all engineering, installation, labor, materials and equipment and other services necessary to upgrade the existing building access control and video surveillance systems located within the Public Safety Center building and provide remote monitoring of areas within range of the cameras. All user interface software and required hardware shall be replaced or upgraded. All door controllers, master door controllers, and HID readers/keypads shall be reused wherever possible. All cabling and any network equipment required to route signaling through Intermediate Distribution Facility (IDF) closets to the Master Distribution Facility (MDF) shall be included in the proposal and upgraded where necessary. Cabling will be upgraded as necessary. In addition, the contractor shall replace existing analog image cameras with digital image cameras, and/or install new cameras, monitors, and audio microphones. Contractor will be responsible for integrating all new components and software with existing system to ensure reliable operation of the system.

PREVAILING WAGES: This project is a "public work" for the purposes of Labor Code Section 1770 et seq., and the successful bidder and all subcontractors shall pay not less than the prevailing rate of per diem wages as determined by the Director of the California Department of Industrial Relations.

SECURITIES IN LIEU OF RETENTION: Pursuant to Public Contract Code Section 22300, for monies earned by the Contractor and withheld by the City of El Paso de Robles to ensure the performance of the Contract, the Contractor may, at its option, choose to substitute securities meeting the requirements of Public Contract Code Section 22300.

MANDATORY PRE-PROPOSAL CONFERENCE: Prospective Proposers are **REQUIRED** to attend a **MANDATORY** Pre-Proposal Conference. The Pre-Proposal Conference will be held on **May 31, 2013**. Participants will meet promptly at 9:00 am at the Paso Robles Police Department Emergency Operations Center, located at 900 Park Street, Paso Robles CA, 93446. The City will not consider proposals from firms that do not attend the pre-proposal conference. Failure to attend **will** result in rejection of any proposal submitted and ineligibility for award of any contract resulting from this RFP process.

REGISTRATION AND OBTAINING RFP DOCUMENTS AND ADDENDA: The RFP document "City of Paso Robles – Police Department Access Control" may be downloaded at no cost via the internet at www.ciplist.com. Use the map at www.ciplist.com to navigate to "California" then "San Luis Obispo County" then "Paso Robles" to view the RFP. To

download the RFP, the user must register for a free account on the site. It shall be the responsibility of each prospective firm to download and print all documents for review.

Upon downloading the RFP via the internet, contact Lieutenant Ty Lewis, via email tlewis@prcity.com to officially register as a firm interested in this specific project. Failure to register may result in not receiving addenda to the RFP. Failure to acknowledge addenda may render your proposal as non-responsive.

EVALUATION OF PROPOSALS AND AWARD OF CONTRACT: This solicitation has been developed in the Request for Proposals (RFP) format to accommodate all components of the Project. Proposers should take note that multiple factors as identified in the RFP will be considered by the Evaluation Committee to determine which proposal best meets the requirements set forth in the RFP document. The City will consider the scope of work in each Proposal as one factor in selecting the successful Proposal.

The City reserves the right to reject any or all proposals, award a contract or make no award, and to waive any informality or technical defect in a proposal, whichever is in the best interests of the City. The City reserves the right to negotiate the terms and conditions of any resulting contract. Final contract award, if any, will be made by the Paso Robles City Council. The selected firm will be required to comply with all insurance and license requirements of the City

DEADLINE: All proposals must be received by **June 13, 2013**. It is the responsibility of the Proposer to see that any proposal is received by the specified date and time. The receiving time in the Procurement Office will be the governing time for acceptability of Proposals. Telegraphic, telephonic, or other electronic transmission of proposals will not be accepted. Late proposals will not be accepted and will be returned unopened. Reference the RFP document for additional dates and deadlines. The Proposer shall guarantee that all contents of their proposal shall be valid for a period of 90 calendar days from the due date of proposals.

If you have questions about this RFP, please contact

Lt. Ty Lewis, Paso Robles Police Department
Phone: 805-227-7438
Email: tlewis@prcity.com

END OF NOTICE

**CITY OF PASO ROBLES, CA
REQUEST FOR PROPOSALS (RFP)
PROJECT NO. 13-07
POLICE DEPARTMENT ACCESS CONTROL AND VIDEO SURVEILLANCE CAMERA SYSTEM UPGRADES,
EXPANSION AND MAINTENANCE SERVICES**

Proposals in response to this RFP # to upgrade, expand and maintain an existing access control and video surveillance network will be received at the Office of the City Clerk, 1000 Spring Street, Paso Robles, California, until **3:00 P.M. LOCAL TIME, June 13, 2013**. It is the responsibility of the Proposer to see that any proposal is received by the specified date and time. The receiving time in the Office of the City Clerk, 1000 Spring Street, Paso Robles, CA will be the governing time for acceptability of RFP proposals. Telegraphic, telephonic, or other electronic transmission of proposals will not be accepted. Late proposals will be returned unopened.

1. PURPOSE: The City of Paso Robles has received grant funds to upgrade, expand and maintain its existing building access control and video surveillance camera systems. As such, the City is requesting proposals from qualified firms to upgrade or replace the existing building access control and video surveillance systems located within the Public Safety Center building. All user interface software and required hardware shall be replaced or upgraded. All door controllers, master door controllers, and HID readers/keypads shall be reused wherever possible. All cabling and any network equipment required to route signaling through Intermediate Distribution Facility (IDF) closets to the Master Distribution Facility (MDF) shall be included in the proposal and upgraded where necessary. The contractor shall also transition existing analog image cameras to digital image where possible, replace existing analog image cameras with digital image cameras, and/or install new cameras, monitors, and audio microphones.

The City's goal is to have a reliable and consistent building access control and video surveillance system that uses latest technology that will enhance staff efficiency through remote access, monitoring and recording.

The Project is made possible by funding through a Supplemental Law Enforcement Services Funds (SLESF) and Citizens' Option for Public Safety (COPS) Award.

2. SCHEDULE:

Notice Request for Proposals posted and issued	May 24, 2013
Mandatory Pre-Proposal Conference	May 31, 2013
Deadline for receipt of Questions	June 07, 2013
Deadline for receipt of Proposals	June 13, 2013
Short List / Interviews (<i>*if desired by City</i>)	June 14 and June 17, 2013
Contract awarded by City Council	July 2, 2013

**Dates above are subject to change*

3. BACKGROUND: The existing building access control system and video surveillance camera network consisting of 34 cameras was installed approximately 10 years ago. With wear, tear and advancements in technology, the access control system and surveillance camera system network is now in need of upgrade, expansion and maintenance. The Police Department has developed the minimum specifications contained herein to meet their requirements.

4. BASIS OF AWARD: The City will award a contract, if at all, to the qualified proposer who provides the most favorable proposal to the City.

5. **SCOPE OF WORK, SERVICES AND SPECIFICATIONS:** are set forth in Exhibit A: Scope of Services.

6. **PROPOSAL REQUIREMENTS**

A. Format and Requirements

There is no maximum proposal length, however proposals should be kept to the minimum length necessary to address these requirements. Proposals shall be 8.5 inches by 11 inches in size, with pages numbered sequentially. Padding the proposal with boiler plate material is discouraged.

B. Proposal Contents

1. **Firm identification** – Provide the following for your firm:
 - a. Firm name, address, telephone number and e-mail address;
 - b. Name and telephone number of contact person.
 - c. Contractors License Number
2. **Sub-Contractors** – Provide the following for each Sub-Contractor:
 - a. Firm name, address, telephone number and e-mail address;
 - b. Contemplated role of the firm in the project;
 - c. License number, if applicable.

C. Team.

1. Describe your team. Include the experience, background, academic training, certifications and registration of Key Personnel that will actually perform and be responsible for the Services.

2. The City expects the Contractor to commit the proposed Key Personnel if selected. Identify the location of the office where the personnel are located and Services will be performed. Include resumes as an appendix.

D. References. Provide at least four (4) references from clients for whom proposer has performed Services similar to those requested in this RFP who can be contacted regarding the qualifications presented in this proposal. Provide a short description of the services performed for each including contract price, your firm or staff member's role, and a specific contact person with current contact information.

E. Approach to Services. Describe your technical approach to performing the Services.

F. Scope of Work. Contractor shall include all required equipment, materials and services, and shall identify the equipment and materials it will replace or upgrade.

G. Rates. Provide hourly rates for Additional Services, on-site service and support for next business day service; emergency/after-hours service, weekend and holiday service.

H. Signature. Proposal shall be signed by an authorized corporate officer whose signature is binding upon the firm.

I. Valid Period. Include a statement that proposal will remain valid for 90 days.

J. Conflict of Interest. Proposal must include a statement that the proposer has no conflicts of interest in connection with providing the Services.

K. Agreement. Proposal must include either a statement that your firm has read the City's Services Agreement and will be ready to sign it after the City Council awards the contract, or a list of items to which your firm takes exception. Any revisions to the City's agreement are subject to approval by the City Attorney.

L. Non-Collusion Declaration. Sign and return the declaration included in the RFP documents.

4. Selection Process

The City will establish an Evaluation Committee to review and rank all proposals received. The City may decide to interview Proposers with the most competitive proposals. Key criteria to be used by the City in selecting the Contractor include the following:

- Proposer's experience in upgrading, expanding and maintaining existing access and video monitoring systems for public safety facilities.
- The degree to which the Proposer can provide a reliable and consistent building access control and video surveillance system that uses latest technology that will enhance staff efficiency through remote access, monitoring and recording.
- The scope of work the Proposal offers to perform for the fixed contract price of \$40,000.
- The quality of Proposer's training, operations and maintenance materials.
- The Proposer's ability to provide timely on-site service for system malfunction, repair and routine maintenance and upgrades.
- The scope and duration of Proposer's warranty.
- The cost and scope of Proposer's Five Year Maintenance package.

City may reject any Proposal and may waive, to the fullest extent permitted by law, any informalities or minor irregularities. City also reserves the right, in its discretion, i) to reject all Proposals and issue a further request for proposals, ii) to reject any nonconforming, non-responsive, or conditional proposal, (iii) to request other proposals, and (iv) to reject any proposal if City believes that for any reason it would not be in the City's best interest to make an award to that proposer. In evaluating Proposals, City will consider the information provided in each Proposal, compliance with the prescribed requirements, and such other data as may be requested in this Request for Proposals, interview, or any other information provided or discovered prior to the Notice of Award.

The City may conduct any investigations the City deems necessary to assist it in its evaluation of any Proposal and to establish the prospective Contractor's responsibility, qualifications and financial ability (and that of its proposed subcontractors, suppliers, and other persons and organizations) to perform and furnish the Services in accordance with the Contract Documents to City's satisfaction, and within the prescribed time. City will determine in its sole discretion whether a Proposal is responsive and whether a prospective Contractor is responsible.

**Granting of this contract may require disclosure
of personal financial interests under the Political Reform Act.**

**CITY OF PASO ROBLES, CA
REQUEST FOR PROPOSALS (RFP)
PROJECT NO. 13-07
POLICE DEPARTMENT ACCESS CONTROL AND VIDEO SURVEILLANCE CAMERA SYSTEM
UPGRADES, EXPANSION AND MAINTENANCE SERVICES**

EXHIBIT A – SCOPE OF SERVICES, SPECIFICATIONS

A. Scope

1. The general scope of work requires that the Contractor shall provide all engineering, modifications, additions, installation, labor, materials and equipment and other services necessary to:

a. replace, upgrade, make fully operational, test, commission and maintain the existing building access control and video surveillance systems located within the Public Safety Center building. All user interface software and required hardware shall be replaced or upgraded. All door controllers, master door controllers, and HID readers/keypads shall be reused wherever possible. All cabling and any network equipment required to route signaling through Intermediate Distribution Facility (IDF) closets to the Master Distribution Facility (MDF) shall be included in the proposal and upgraded where necessary. The contractor shall replace existing analog image cameras with digital image cameras, and/or install new cameras, monitors, and audio microphones, and

b. install, make fully operational, test, and maintain new state-of-the-art network video surveillance cameras and monitors linked to existing surveillance camera network. Except for existing materials provided by the City, the contractor shall provide all necessary supplies, materials and equipment necessary to upgrade and install the video surveillance network including: replace existing analog image cameras with digital image cameras, and/or install new cameras and monitors.

2. Contractor will be responsible for integrating all new components and software with existing systems.

B. Specifications.

1. Contractor's services hereunder shall enable the remote monitoring of areas within range of the cameras by the Paso Robles Police Department. The system shall link 34 existing cameras to the MDF room at the Paso Robles Police Department located at 900 Park Street Paso Robles, CA; provide live feed and recorded AV from cameras to the Communications Center, police patrol cars; provide live feed and recorded AV from cameras to the Patrol Sergeants' Office, the Detective Bureau, and the Patrol Lieutenant's Office at the Paso Robles Police Department, and; simultaneously record from all locations.

2. Feeds transmitted shall be recorded in a form that shall allow playback (through Microsoft media player or Apple Quick time) and archiving. Playback shall include audio-video streaming and audio-video file export. Pan/tilt/zoom controls for each camera shall be operable from the Communication Center, Detective Bureau, and from the Sergeants and Lieutenants Offices at the Police Department.

3. The network video surveillance system must operate continuously, 24 hours per day, seven days per week. Redundancies shall be built into the system to survive failure of any component and a description of these redundancies is required. The system will include monitoring with email or text message alert to the Department of warnings and critical errors. The system shall have sufficient capacity to transmit video at a minimum rate of 30 frames per second simultaneously from all cameras and archive 13 months of audio-video. The system shall allow real-time pan/tilt/zoom (PTZ) control of all cameras.

4. Prior to City's acceptance of the network video surveillance system, complete system as-builts must be delivered to the Police Department. The "as built" documents shall show the actual type and location of all materials and equipment installed as part of the Project.

C. Equipment and Services:

1. Evaluate existing system and equipment, identify equipment that can be reused and equipment Contractor proposes to replace.
2. Furnish and Install the following items as necessary to meet City requirements:
 - a. New servers for access control and video systems
 - b. Software: Fusion or WinPak, by Honeywell, or equal, with all required licenses and upgrades
 - c. Three (3) new cameras shall be installed in the Police Department evidence rooms (inside and outside storage areas).
 - d. 34 existing cameras shall be replaced or modified at the Police Department and connected to the Police Department MDF room via a direct cable run or Ethernet. Cameras 8, 9, 14, 29 and 31 will have Pan/Tilt/Zoom (PTZ) functions.
- e. All the camera feeds shall be directed to the Dispatch/Communications Center in the Paso Robles Police Department. Incoming feeds shall be displayed on 1 wall-mounted 46" flat panel monitor that shall be split to display individual camera feeds). At each dispatch station (3 in number) additional 24" monitors and camera controls shall be located. Dispatchers shall be able to capture a feed from any camera and display it on their 24" monitor and shall have control of each camera, including pan/tilt/zoom on all PTZ cameras.
- f. All the camera feeds shall be displayed in the Patrol Sergeants' Office in the Paso Robles Police Department. Incoming feeds shall be displayed on a wall-mounted flat panel monitor that shall be split to display individual camera feeds. Sergeants shall be able to capture and record any feed from any camera and display it on the monitor and shall have control of each camera, including pan/tilt/zoom on all PTZ cameras.
- g. All the camera feeds shall be displayed in the Patrol Lieutenants' Office in the Paso Robles Police Department. Incoming feeds shall be displayed on a wall-mounted flat panel monitor that shall be split to display individual camera feeds. Lieutenants shall be able to capture and record any feed from any camera and display it on the monitor and shall have control of each camera, including pan/tilt/zoom on all PTZ cameras.
- h. All the camera feeds shall be displayed in the Detective Bureau in the Paso Robles Police Department. Incoming feeds shall be displayed on a wall-mounted flat panel monitor that shall be split to display individual camera feeds. Detectives shall be able to capture and record any feed from any camera and display it on the monitor and shall have pan/tilt/zoom control of each PTZ camera.
- i. All the camera feeds shall be directed to Mobile Data Computer terminals mounted in Paso Robles Police Department patrol cars. Incoming feeds shall be displayed on Mobile Data Computer displays in eleven (11) patrol cars.
- j. All camera feeds shall be recorded as they arrive in the MDF room on recording devices provided by the Contractor. All recordings will be date and time stamped to show the original recording date, time and camera. The recording device shall be a digital device, with redundancies to maintain uptime, recording all camera feeds and equipment available to export copies to portable media, including CD, DVD, USB/ and USB Harddrives.
- k. Playback of any one feed shall not disrupt recording of that or any other feed.

- l. Equipment shall be capable of operating with or without motion activation.
 - m. The exterior equipment must operate in variable weather conditions from 20° to 130° Fahrenheit with rooftop temperatures reaching 160° and wind conditions which reach 100 MPH gusts. Rain shall not interfere with the operations of the system.
 - n. System components must be compliant with applicable FCC guidelines.
 - o. Contractor shall further implement an adequate and reliable methodology for testing compliance with the City's performance criteria. All test results must be documented with a copy provided to the City. Independent tests may be conducted by the City to validate the contractor's test information.
- D. Other requirements.

1. Contractor shall not interfere with City's emergency response operations at the City's Police Department in performing the services hereunder. Contractor shall follow all rules of City and Department personnel regarding the location and manner where Contractors' vehicles may be parked at the City's facilities.

2. Contractor shall perform the services herein in a clean and professional manner and shall remove any debris, trash, equipment and other items in and around the job sites at the end of each day when services are performed. Upon completion of Contractor's services, Contractor shall restore the City facility to a good and clean condition and repair any damages caused to such facilities by Contractor's employees, agents or representatives.

3. Information on existing equipment is set forth below; additional information will be made available at the pre-bid meeting. It is proposed that the above equipment be modified to digital connectivity where applicable or be replaced by new equipment with similar system capabilities. If any existing camera equipment cannot be modified to digital capability, then the minimum standard for any new camera equipment is that it must be compatible with Sony 360 Pan Tilt Zoom cameras with 36x zoom capability.

E. Training:

The Contractor shall provide training sessions for Police Department communications staff. This training shall include a minimum of six two-hour training sessions in the use of the access control and video monitoring, including pan/tilt/zoom capabilities of the wireless network video surveillance cameras. The training sessions shall be scheduled with the Department Administration and shall be staggered to accommodate the shift schedules of the Communications Center employees. The scope of the training shall be sufficient to teach the proper operation of the network video surveillance camera system including camera operation, video switching and display at individual dispatch stations, and operational procedures related to recording and storage of video data.

F. Warranty:

For all equipment provided by Contractor, Contractor warrants all products for a period of not less than one (1) year from the date of acceptance of the project by the City. The warranty shall include all parts and all labor. Any equipment found to be defective shall be replaced by Contractor free of charge including labor and any inbound or outbound shipping costs and without interrupting Police Department operations. Defective equipment is defined as any equipment that requires three (3) or more repairs or service calls within a one (1)-year period. The contractor will define how warranty service is prioritized and what level of service is proposed including time from report of trouble until on-site response.

G. Extended System Service and Maintenance :

At the end of the warranty period, the Contractor shall provide five (5) years of on-site service, maintenance and support for the Work. The rates for such on-site service and support shall be at the prices and rates set forth in the Cost Proposal for next business day service; emergency/after-hours service, weekends and holiday service. Service and maintenance period shall commence upon the expiration of the original warranty. Service shall include troubleshooting, all software upgrades, patches, routine maintenance, and repairs.

Please note: this RFP cannot identify each specific, individual task required to successfully and completely implement this project. The City of Paso Robles relies on the expertise to include in its proposal all materials, equipment, required tasks and subtasks, personnel commitments, man-hours, labor, direct and indirect costs required to perform the Work. The City of Paso Robles will not approve change orders to the selected firm's agreement unless the City initiates a substantial change from the general scope of work identified in this RFP.

Existing Equipment

2ea	Honeywell DVR units (Fusion)
2ea	RocStor 4x1 TB RAID enclosure
2ea	16 channel video matrix
1ea	9 channel video matrix (w/audio)
4ea	Video controllers
2ea	Dispatch video controllers
5ea	19" video monitor
2ea	17" TV monitor (Dispatch)
	Recording equipment is located in the MDF

Video Camera Breakdown

DVR-1

CAM1	Downstairs Soft Interview
CAM2	Downstairs Hard Interview
CAM3	Upstairs Soft Interview
CAM4	Upstairs Hard Interview
CAM5	Internal Sally Port South
CAM6	Jail Detention area
CAM7	Jail Booking Cells 1 & 2
CAM8	Jail Photonet/Intoxillizer Rm
CAM9	Jail Booking CPUs
CAM10	Jail Intoxillizer Rm
CAM11	Jail Entry from Patrol Corridor
CAM12	Juvenile Detention 1
CAM13	Juvenile Detention 2
CAM14	Bell Tower
CAM15	PD Lobby
CAM16	External Sally Port North

DVR-2

CAM17	External Sally Port East
CAM18	10th Street Vehicle Entrance
CAM19	External Sally Port South
CAM20	Internal Sally Port North
CAM21	Patrol Corridor
CAM22	EOC NW Entrance
CAM23	Dispatch Door
CAM24	EOC Hallway South
CAM25	EOC Hallway North

CAM26	EOC Courtyard South
CAM27	ES Patio South
CAM28	ES Egress South
CAM29	10th Street Pedestrian Gate
CAM30	Dog Kennels East Parking Lot
CAM31	Pine Street Vehicle Entrance
CAM32	ES Parking Lot SE Corner

Misc.

CAM33	Storage Center East Parking Lot
CAM34	External Records North (Statue)

All cameras are currently running on CCTV, approximately 17 cameras were replaced and are dual purpose CCTV/IP
Power supplies for cameras are located primarily in IDF-1, IDF-2 & IDF-3, with miscellaneous supplies located in
Sally Port and externally in the Parking Lot. There are no TPZ cameras only stationary.

**CITY OF PASO ROBLES, CA
REQUEST FOR PROPOSALS (RFP)
PROJECT NO. 13-07
POLICE DEPARTMENT ACCESS CONTROL AND VIDEO SURVEILLANCE CAMERA SYSTEM
UPGRADES, EXPANSION AND MAINTENANCE SERVICES**

To the City of El Paso de Robles:

In conformance with Public Contract Code 7106, the undersigned declares:

I am the _____ (title) of _____ (company), the party making the foregoing bid.

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

This Declaration is made for the purpose of complying with Public Contract Code Section 7016 and/or Title 23 United States Code Section 112.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder. I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on _____ (date), at _____ (city), _____ (state).

Signed: _____

Date: _____

Bidder's Name: _____

COMPANY	COST	GOVT EXP	QUALIFICATIONS	RESPOSNE TO RFP	SUPPORT	INSTRUCTION	FEASABILITY	VALUE	Overall
Tech Time	\$40k	Unk	Unk	4	4	5	2	3	3.6
Company Location(s): Bakersfield and San Luis Obispo (satellite office)									
Prof References: None Provided									
Operating System Windows 7 64 bit, Windows Server 2008 R2									
Cost Breakdown \$40,000: All inclusive package									
Project Schedule 60 days from approval									
Features: WinPak upgrade to WE 3.0 (5) user; New hybrid server for vido system with 32 ANALOG ports, 16 TB Storage, 4 new cameras, 3 yrs hardware warranty, 3 yrs software updates									

COMPANY	COST	GOVT EXP	QUALIFICATIONS	RESPOSNE TO RFP	SUPPORT	INSTRUCTION	FEASABILITY	VALUE	Overall
Johnson Electronic	\$56,177	8	72yrs	1	1	1	5	5	2.6
Company Location(s): Salinas, CA - Monterey County									
Prof References: Numerous School Districts, Superior Court, County Agencies									
Operating System Windows 7 64 bit									
Cost Breakdown \$56,177 to \$84,599: Tiered Package Offering; additional Service Agreement Costs ranging between \$2,731.40 to \$5,305.30									
Project Schedule Unable to start project until September 2013, 60 days completion time.									
Features: 9TB RAID5; Omnicast Software; Conversion of existing cameras to IP; (3) new cameras for evidence areas; WinPak single user software upgrade;									

COMPANY	COST	GOVT EXP	QUALIFICATIONS	RESPOSNE TO RFP	SUPPORT	INSTRUCTION	FEASABILITY	VALUE	Overall
Integrity Systems	\$40k	2	5yrs	2	1	1	1	1	1.2
Company Location(s): Atascadero, CA - San Luis Obispo County									
Prof References: BDC Development; Sierra Vista Hospital, City of Paso Robles; Speciality Const; Pioneer Museum									
Operating System Windows 7 64 bit, Windows Server 2008 R2									
Cost Breakdown \$40,000: All inclusive package									
Project Schedule 60 days from approval									
Features: WinPak upgrade to WE 3.0 WPS3; Everfocus 12 TB DVR 64 Streams of Video Recording; (3) 16 Port Switches; (23) IP Megapixel Cameras; Cat 5e wire replacement; (4) New Microphones									



9495 Little Country Road
Atascadero, CA. 93422
805-462-9150 / 805-782-9225
Fax: 805-782-9833
C10 – 900880 ACO - 5721

June 7th, 2013

Re: RFP Project #13-07

In Reference To CCTV System Upgrades Proposal Dated 06/07/2013.

Integrity Systems will provide and install all listed equipment and will include any necessary hardware , wire, programming, and training to provide a functional system. Proposal shall remain valid for a minimum of 90 days. Integrity Systems has no conflicts of interest in the connection with the services proposed within.

It is our intent to abandon/remove all existing camera cables and baluns. New CAT5e wire will be run between the switches and new/existing camera locations to convert the camera system to 100% IP video.

New monitors (as listed) will be install in the listed locations and connected to computer stations provide by the City of Paso Robles IT Department. IT department will be responsible to install/set-up the computer stations including the network. IT department will need to provide Integrity Systems with the IP ranges to be used by the IP Camera system including the IP video server. IT Department will integrate the squad car wireless to interact with the system as deemed necessary.

The new components and wiring shall include a full 1 year parts and labor warranty. Typically service can be completed within the same or next business day assuming necessary parts are currently in stock. Beyond 1 year after completion of installation, service shall be provided at the rate of \$65 / hour and there will be no charge for travel time during normal business hours. Outside of business hours service will be billed at \$95 / hour. Typical business hours are Monday-Friday 9AM-4PM excluding holidays.

Sincerely,

David Condit

Security Systems
 Fire Alarms
 CCTV – Camera Surveillance
 Access Control
 Intercom Systems
 Monitoring Services



Custom Home Theatre
 Home Automation
 High Definition TV
 Audio/Video Distribution
 Structured Cabling
 Central Vacuum

9495 Little Country Road, Atascadero CA. 93422
 Office: 805-782-9225 or North County 805-462-9150 / Fax: 805-782-9833

C10 Lic# 900880 ACO Lic # 5721

Client: Paso Robles Police Department	Phone:
Project: CCTV System Upgrades	Email :
Location:	Contact:

Units:	Protection / Equipment:	Location / Notes:
<i>Cost</i>		
1	Everfocus 12 Terabyte Network Video Recorder	NVR4000/12T - Max 64 Video Streams Recording
3	Everfocus High Power POE 16 Port Switches	ESM316T2R Data Racks
23	Everfocus Megapixel IP Vandal IR Dome	EHN3260 Locations: Replace Non-IP Cameras X 12 / Evidence Room X 2 / Evidence Storage Cage X 1
*	New Wire and Connect Existing 17 IP Cameras	
37	Cat5e to Each Camera From Switch Location	
6	Louroe Microphones	LE-771 Interview Rooms / Sally Port / Jail
3	24" LCD Monitor	LG 24LM4510
1	42" LCD Monitor	LG 42LD452B
4	Articulating Mounts	4 X SA735P / 1 X SA761PU
*	Misc Hardware / Cat5e Cable	
1	Winpak 3.0	WPS3 - Single License Software - Windows 7

Comments:
 Purchased System includes full 1 year parts and labor warranty.

Purchase System: \$40,000.00

Company Officer: **David Condit** Signature:  Date: **06/07/13**

Acceptance Of Proposal

The prices, specifications and conditions shown herewith are satisfactory and are hereby accepted. Integrity Security & Integrated Systems, Inc. is authorized to do the work as specified above.

Authorized Signature : _____ Date Of Acceptance: _____



**CITY OF PASO ROBLES, CA
 REQUEST FOR PROPOSALS (RFP)
 PROJECT NO. 13-07
 POLICE DEPARTMENT ACCESS CONTROL AND VIDEO SURVEILLANCE CAMERA SYSTEM
 UPGRADES, EXPANSION AND MAINTENANCE SERVICES**

To the City of El Paso de Robles:

In conformance with Public Contract Code 7106, the undersigned declares:

I am the PRESIDENT (title) of INTEGRITY SYSTEMS (company), the party making the foregoing bid.

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

This Declaration is made for the purpose of complying with Public Contract Code Section 7016 and/or Title 23 United States Code Section 112.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder. I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on 6/7/13 (date), at ATASCADERO (city), CA (state).

Signed: 

Date: 6/7/13

Bidder's Name: DAVID CONDIT



9495 Little Country Road
Atascadero, CA. 93422
805-462-9150 / 805-782-9225
Fax: 805-782-9833

Listed below are some references that you may call for information on our company's performance. Integrity Systems is also a member of the Better Business Bureau which may also provide you with additional information.

- 1) BDC Development
Contact: Jeff Loughead - Owner
Cell: (805) 471-6731
- 2) Pioneer Museum
Contact: Gary Smith – Board of Directors
Cell: (805) 610-1925
- 3) Sierra Vista Hospital – Tenet Health Care
Contact: Rick Ford – Director of Operations
Ofc: (805) 546-7972
- 4) Dr. Jody Bettencourt
Contact: Dr. Bettencourt
Ofc: (805) 434-2240
- 5) Specialty Construction
Contact: Tom Ehlers
Ofc: (805) 543-1706
- 6) Paso Robles Police Department
Contact: Lt. Ty Lewis
Cell: (805) 237-6464

Trade Licenses:

Alarm Company Operator: ACO5721
Alarm Company Qualified Manager: ACQ4938
CA. Electrical Contractor License Number: 900880
City of San Luis Obispo Business License Number: 071615
Fire Life Safety Technician Number: 125894
Member of the Better Business Bureau

If you need any further information, please do not hesitate to call me at
805-462-9150 or my cell phone 805-471-0904.

Sincerely, Dave Condit



Commander NVR

Enterprise Linux Recording Solution

Power. Speed. Redefined

Revolutionary High Megapixel Recording and Management System



- Linux-embedded
- F.R. Mega Optimized
- 250Mbps throughput
- RAID 0,1,5, 1+0
- Command Chain
- Dual Gigaports
- Centralized E-Map
- Event Respond
- 400 ch (live) 100 ch (playback)
- Image Fusion
- Twin Client
- Bandwidth control

<p>Win / Mac Client</p>	<p>Browser</p> <p>Windows Only</p>	<p>Mobile Apps</p> <p>iPad / iPhone</p>	<p>Technology Partners</p>
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Camera Support



- | | | | | | | | | | |
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Design Highlights

Megapixel Recording Powerhouse

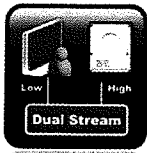


EverFocus Commandern NVR utilizes a redefined recording engine named File Ring. File Ring is engineered from scratch to handle high megapixel recordings by changing how hard drives store and retrieve video data. It can process large amount of data throughput boosting the Commanders recording performance to 64 2 - Megapixel cameras (H.264, 15 fps, moderate traffic).

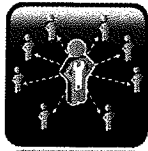
No.	Name	Address	Conn Status	Rec Status	FrameRate	BitRate
45	Field Cam 45	192.168.0.150	OK	●	8.0 fps	3200.0 Kbps
46	Field Cam 46	192.168.2.168	OK	●	10.0 fps	3800.0 Kbps
47	Field Cam 47	192.168.1.128	OK	●	9.0 fps	3350.0 Kbps
48	Field Cam 48	192.168.0.358	OK	●	7.0 fps	3548.0 Kbps
49	Field Cam 49	192.168.1.240	OK	●	8.0 fps	3600.0 Kbps
50	Field Cam 50	192.168.0.158	OK	●	10.0 fps	3878.0 Kbps
51	Field Cam 51	192.168.0.180	OK	●	9.0 fps	3200.0 Kbps
52	Field Cam 52	192.168.0.191	OK	●	8.0 fps	3800.0 Kbps
53	Field Cam 53	192.168.1.182	OK	●	9.0 fps	3548.0 Kbps
54	Field Cam 54	192.168.1.183	OK	●	7.0 fps	3500.0 Kbps
55	Field Cam 55	192.168.0.164	OK	●	8.0 fps	3878.0 Kbps
56	Field Cam 56	192.168.1.185	OK	●	8.0 fps	3878.0 Kbps
57	Field Cam 57	192.168.2.166	OK	●	10.0 fps	3200.0 Kbps
58	Field Cam 58	192.168.1.107	OK	●	9.0 fps	3800.0 Kbps
59	Field Cam 59	192.168.0.159	OK	●	8.0 fps	3350.0 Kbps
60	Field Cam 60	192.168.1.230	OK	●	15.0 fps	3850.0 Kbps

64x 5-Megapixel recording utilizing F.R. Mega Optimized recording engine

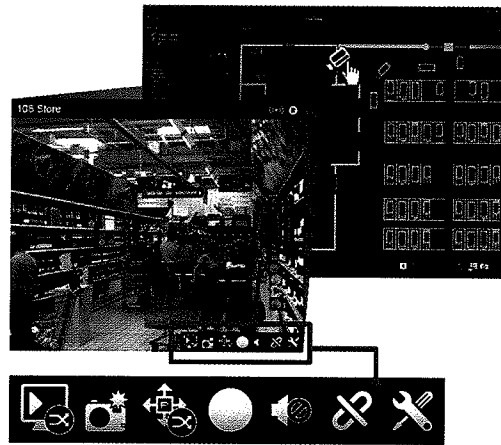
Central Remote Management



The Commander NVR is built with highly efficient data and event management architecture. User can select smaller bandwidth profile for remote viewing to eliminate internet bottlenecks without affecting the recorded videos.

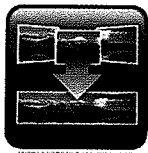


In addition, the Commander is equipped with Command Chain Technology which can synchronize user accounts and critical events across 100 servers, 400 channel live views and 100 channel playback simultaneously.



Centralized E-Map with video popup and tool bar for users to quickly access commonly used functions

Turn, Scale and Stitch Cameras Together



Experience a world without camera dead angles and narrow hallway views. Image Fusion Technology can manipulate camera views by changing its viewing angle and image size make viewing easier in both live view and playback. Moreover, users can stitch multiple cameras together to form a unified single view from up to 10 different cameras.

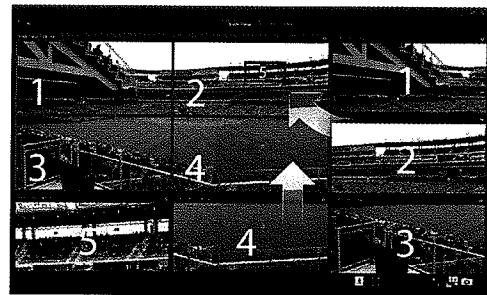


Image Fusion combines camera 1 to 5 into a single view for easier viewing

Success Stories

Industrial



LG Powercom
356CH (Korea)

Hostpital



El Zerayeen Hospital
560CH (Egypt)

Retail



Macanna Inc.
400CH (Taiwan)

Education



Fujian Exam Center
18,000CH (China)

Transportation



RapidKL
670CH (Malaysia)

Government



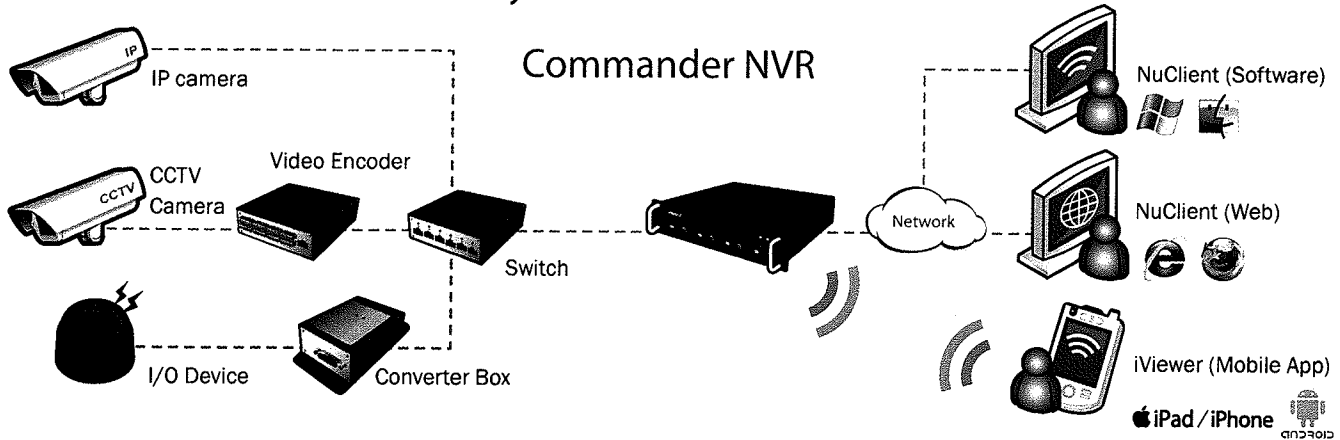
TRE Parana
970CH (Brazil)

Hotel



Cristal Hotel
100CH (USA)

System Architecture



Server Highlights

- Linux embedded
- Support 50 brands of IP manufacturers and over 1310 camera models
- Onvif compatible
- Record up to 64 megapixel cameras (through license upgrade)
- High throughput (up to 250Mbps)
- Chain Technology – Synchronize user accounts across 100 servers through a single server instantly
- Remote server configuration
- Recording in external storage (DAS, iSCSI)
- Redundant power (NT-8040RP only)
- Centralized I/O and event respond systems
- Dual gigabit Ethernet ports
- Camera Dual (2nd) Stream support
- Backup to FTP
- Support continuous, scheduled, event based and I/O based recording
- Synchronized audio and video recording
- Support full SDK
- License management include transfer license



Client Highlights

- Windows and Mac compatible
- Manage up to 100 servers, 400 channels live view and 100 channels playback simultaneously.
- Image Fusion Technology – stitch up to 10 cameras together to form a consecutive single view for easier viewing
- Panorama 360° PTZ (Immervision and VIVOTEK fisheye)
- Support Stream Profile for remote live view bandwidth control (Original / 300 kbps / 100 kbps)
- Digital and Optical PTZ
- Popup event playback
- Support mobile client for iPhone / iPad / Android
- Centralized E-map
- Centralized I/O Panel and Event Panel
- Public View and Private View for each user
- View Tour to loop through selected Views
- Instant Playback
- Save video clips into AVI, ASF or MOV format
- Intelligent motion/ event search in playback to quickly find the subject of interest
- Twin Clients to support identical, full featured software client and web client
- Joystick

External Supports



- External storage support through 3rd party DAS, iSCSI
- Support APC Uninterrupted Power Supply (Smart-UPS 750 VA / APC Back-UPS 500 ES / APC Smart UPS 1500 / APC Smart UPS 3000)

Specification

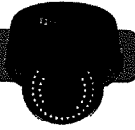
Model	Commander NVR	
Product Image	  Rack-mount 1U	
Part Number	Server	NVR-4000
	IP License	NVR-4016UP/NVR-4032UP/NVR-4060UP
CPU Model	Intel® Atom™ processor D525 (1M Cache, 1.80 GHz)	
Max IP License (through upgrade)	64	
Base IP License (included in server)	4	
Server O/S	Embedded Linux	
Video Compression	H.264, MPEG4, MJPEG	
Recording Performance	250 Mbps (MAX), 150 Mbps (OPTIMAL) *	
Removable HDD Trays	4x SATA II	
HDD Support	3TB per drive (Max 4 drives)	
RAID	0, 1, 5, 10	
External Storage	DAS, iSCSI	
External Ports	6 x USB 2.0 (for mouse, UPS); 1 x eSATA (for DAS)	
Ethernet (NIC)	2 x Gigabits Ports	
Voltage	100 - 240V	
Power Consumption	200W	
Dimensions (H x W x D)	44.5 x 441 x 428.8 mm	
Weight (without HDD)	6.235 kg (13.75lbs)	
Temperature	0°C ~ 40°C (32°F ~ 104°F)	
Humidity	5 ~ 95 RH	
Supported Language (21 languages)	Chinese (Simplified), Chinese (Traditional), Czech, Dutch, English, Finnish, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese (Brazil), Russian, Serbian, Spanish, Slovenian, Swedish, Thai, Turkish	

*Max recording throughput (250 Mbps): Approx. 64ch 5-Megapixel H.264 cameras at 10 fps when server is streaming out 16 channels of live video without playback.
 Optimal recording throughput (150 Mbps): Approx. 64ch 2-Megapixel H.264 cameras at 15 fps when server is streaming out 128 channels of live video and 16 channel playback.

Client System Minimum Requirement

Part Number	NVR-4000
OS	Windows XP (32-bit) / Win7 (32 and 64-bit) / Mac OS X v10.6, 10.7
CPU	Intel® Core™2 Duo Processor E6400 (2M Cache, 2.13 GHz, 1066 MHz FSB) *
RAM	1GB
LAN Transmission Speed	10/100/1000 Mbps (RJ45)
Remote Client	NuClient (Software), NuClient (Web), iViewer (Mobile App)
Web Client	Internet Explorer 8 and later, Firefox 4.0 ~ 9.0 (Windows version)
Mobile iViewer Platform	 iPad / iPhone 

EDN Plus Series



EDN3160

- 1.3 Megapixel + Wide Dynamic
- IR Day/Night, Auto Iris 3-9mm
- 3-Axis Dome
- Flush or Surface Mount Design

EDN3260

- 2 Megapixel + Wide Dynamic
- IR Day/Night, Auto Iris 3-9mm
- 3-Axis Dome
- Flush or Surface Mount Design

EDN3340

- 3 Megapixel
- IR Day/Night, Auto Iris 3-9mm
- 3-Axis Dome
- Flush or Surface Mount Design

EHN Plus Series



EHN3160

- 1.3 Megapixel + Wide Dynamic
- IR Day/Night, Auto Iris 3-9mm
- 3-Axis & Vandal Resistant
- IP66 Weather Resistant

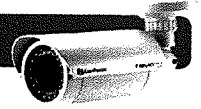
EHN3260

- 2 Megapixel + Wide Dynamic
- IR Day/Night, Auto Iris 3-9mm
- 3-Axis & Vandal Resistant
- IP66 Weather Resistant

EHN3340

- 3 Megapixel
- IR Day/Night, Auto Iris 3-9mm
- 3-Axis & Vandal Resistant
- IP66 Weather Resistant

EZN Plus Series



EZN3160

- 1.3 Megapixel + Wide Dynamic
- IR Day/Night, Auto Iris 2.8-10mm
- Vandal Resistant Housing
- IP66 Weather Resistant

EZN3260

- 2 Megapixel + Wide Dynamic
- IR Day/Night, Auto Iris 2.8-10mm
- Vandal Resistant Housing
- IP66 Weather Resistant

EZN3340

- 3 Megapixel
- IR Day/Night, Auto Iris 2.8-10mm
- Vandal Resistant Housing
- IP66 Weather Resistant

Part Number	EDN3160	EDN3260	EDN3340	EHN3160	EHN3260	EHN3340	EZN3160	EZN3260	EZN3340
Pickup Device with Progressive Scan CMOS Sensor	1/3" Full HD		1/2.8" HD	1/3" Full HD		1/2.8" HD	1/3" Full HD		1/2.8" HD
Effective Pixels & Video Resolution	1280 x 1024	1920 x 1080	2048 x 1536	1280 x 1024	1920 x 1080	2048 x 1536	1280 x 1024	1920 x 1080	2048 x 1536
Sensitivity	0 Lux @ F1.2 (IR On)			0 Lux @ F1.2 (IR On)			0 Lux @ F1.3 (IR On)		
Day/Night	Built-in Auto IR cut filter			Built-in Auto IR cut filter			Built-in Auto IR cut filter		
Lens	Auto Iris, 3-9mm, F1.2- F2.3 P-IRIS			Auto Iris, 3-9mm, F1.2- F2.3 P-IRIS			Auto Iris, 2.8-10mm, F1.3, 19		
Video Output	BNC socket, composite 1Vp-p/75ohm For cameras Set-up and test only								
Video Compression	H.264/MJPEG								
Frame Rate	720p @ 30 FPS	1080p @ 30 FPS	2048 x 1536 @ 15 fps, 1920 x 1080 @ 30fps	720p @ 30 FPS	1080p @ 30 FPS	2048 x 1536 @ 15 fps, 1920 x 1080 @ 30fps	720p @ 30 FPS	1080p @ 30 FPS	2048 x 1536 @ 15 fps, 1920 x 1080 @ 30fps
Image Setting	Compression, brightness, sharpness, white balance, exposure control backlight compensation, image rotation & mirroring, text and image overlay								
Video Streaming	Multi-Stream H.264 and M-Jpeg								
Interface	10Base-T/100Base-TX auto-negotiation, RJ-45 socket. Supports MDI/MDI-X auto cross function								
Supported Protocols	TCP/IP, IPV6, UDP, ICMP, DHCP, NTP, DNS, DDNS,SMTP, SNMP, FTP, HTTP, HTTPS, PPPoE, UPnP, Bonjour, RTP, RTSP, RTCP, UDP, IGMP, ICMP, ARP, ONVIF, PSIA								
Power Over Ethernet	Yes (PoE 802.3af)								
Alarm Input	1								
Alarm Output	1								
Audio In/Out	Yes*								
Event Trigger	Alarm Input, Manual Trigger, Motion Detection, Schedule Recording								
Notification	Trigger alarm output, email notification, upload video to FTP, record video to PC and network alarm								
Pre/Post Alarm Buffer	5 Seconds								
SD Card	Supports micro SDHC for onboard event storage								
Power Supply	12VDC & PoE								
Power Consumption	12VDC 7.44W (IR LEDs on) POE 8.45W (IR LEDs on)			12VDC 10.8W (IR LEDs on) POE 12.28W (IR LEDs on)			8W (IR LEDs on)		
Weight	2.38 lbs			3.57 lbs			3.57 lbs		
Dimension	Flush Mount: 4.61" x 4.29" Surface Mount : 5.6" x 5.23"			6.5" x 5.4"			14.16" x 3.76" x 3.76"		
Operating Temp	-32°F - 104°F			-40°C- 55°C/ -40°F - 131°F (12VDC), -20°C- 55°C/ -4°F - 131°F (PoE)					
Humidity	20%-80% non-condensing			IP66					
Rating	Indoor			IP66 Weather Resistant Vandal Proof					
Support	ONVIF, PSIA								
Certifications	CE, FCC								



EDN800

- Indoor Day/Night Dome**
- Auto-Iris 3.7-12mm
 - 3-Axis & Vandal Resistant

EDN850H

- Outdoor True Day/Night Dome**
- Auto Iris, 2.8-10mm
 - 3-Axis & Vandal Resistant
 - IP66 Weather Resistant

EHN3200

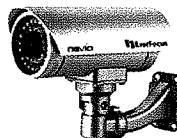
- 2 MP Outdoor Day/Night Dome**
- Auto Iris, 2.8-10mm
 - 3-Axis & Vandal Resistant
 - IP66 Weather Resistant

EPN4220
2 Megapixel
IP PTZ
Call for Availability



EDN3240

- 2 MP Indoor Day/Night**
- 2.8-10mm Varifocal
 - IR Day/Night
 - 3-Axis Dome, Flush or Surface Mount




EZN850

- Outdoor True Day/Night Bullet**
- 6-50mm Lens
 - IR Day/Night
 - IP66 Weather Resistant

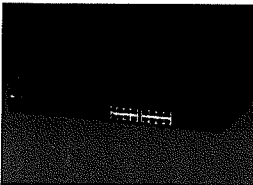
IP Cameras



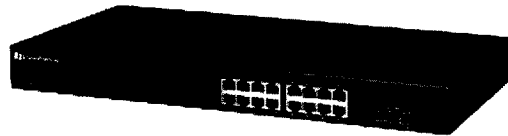

 Contract GS07F121AA

ESM316T002R Gigabit High Power POE Managed Switch

Product Menu



IP Accessories

[ESM308T000D](#)
[ESM316T002R](#)
[IP 3 MP](#)
[NVRs: Network Video Recorders](#)
[IP Cameras](#)
[NVR Software](#)
[Video Servers](#)
[IP 1.3 MP + WDR Series](#)
[IP 2 MP + WDR Series](#)


Move mouse cursor on thumbnails to enlarge



Manual

Features

Specifications

Ordering Information

Optional Accessories

Related Products

- Provides power and data connection for up to 16 PoE network devices
- Save installation cost by delivering data and power over existing network cables
- 10/100/1000 auto-sensing ports automatically detect optimal network speeds
- Two small form-factor pluggable GBIC module slots (SFP)
- IEEE 802.3at/af-compliant RJ45 PoE/PoE+ output ports
- Power output up to 30 Watts per port*
- Total power budget of 180 Watts
- Supports IEEE 802.3at and IEEE 802.3af-compliant PoE devices (IP cameras, wireless access points, etc.)
- Supports IEEE 802.3at/af detection and short circuit, overload and high-voltage protection
- All RJ45 ports with Auto-MDIX and NWay auto-negotiation support
- Web-based configuration
- Supports SNMP management
- Supports VLAN (tag-based and port-based)
- Provides IEEE 802.1x port-based security
- Supports link aggregation ('trunking')
- Supports **bandwidth control per port**
- Supports port mirroring
- Supports two types of **QoS**: port-based and DSCP
- Broadcast storm control with multicast packet rate settings
- Supports jumbo frames up to 9 kBytes
- Supports Rapid Spanning Tree/Spanning Tree protocol
- Store and forward switching architecture
- Full/half duplex operation
- IEEE 802.3x flow control for full duplex
- Supports 16k MAC address entries
- 400 kBytes buffer memory
- LEDs for power, link/activity and PoE
- Includes 10% program and hardware

DESCRIPTION

The Verifact™ Model B-ML is an omni-directional, low impedance, electret condenser microphone with mic level audio. It is housed in a high impact ABS dome designed for ceiling or wall mounting. The microphone element is suspended from the pre-amp and dome housing by a 3' extension cable and is design for high ceiling applications. Normal pick-up pattern is approximately 15' from the microphone location, all directions, or within 30' diameter circle. The unit comes with 20' pre-made cable with a stereo plug on one end that can be plug directly to the Audio Input of an IP camera.

VERIFACT™
B-ML
Microphone



SPECIFICATIONS

Sensitivity	-45 dB/pa
Frequency response	50 Hz to 5 kHz ± 1 dB
Output Impedance	1kΩ
Current drain	0.8mA
Supply voltage	1.8Vdc to 4.5Vdc
Microphone housing	High impact ABS
Dimensions	US 4" dia x 1 ½" H metric (10cm dia x 3.8cm H)
Weight	6oz (.17 Kg)

NOTE

Verifact™ B-ML Microphone is NOT recommended for outdoor use or in areas with high moisture content.

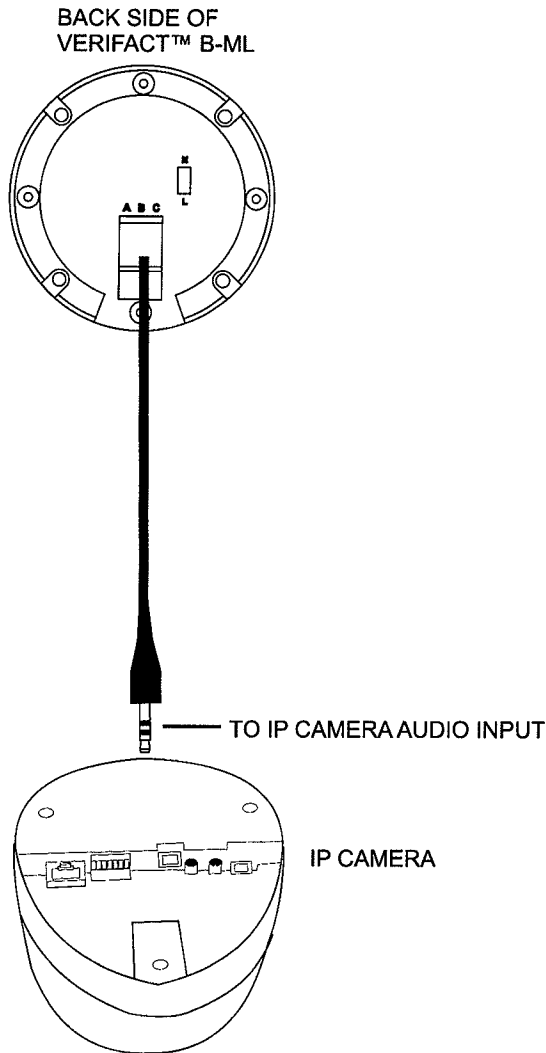
INSTALLATION AND OPERATING INSTRUCTIONS

MOUNTING INFORMATION

The Model B-ML is cylindrical, 4" dia. x 1½" H, and has four mounting holes for surface mounting to a ceiling or other flat surface. It should be positioned so that the microphone is 4' to 8' from the area of desired coverage.

MICROPHONE CONNECTION

Connect the other end of the cable with a 3.5mm Stereo Plug to the Audio Input of the IP camera. **The camera has to be configured to Mic level settings.**



IMPORTANT NOTICE

When this equipment is used as part of an audio monitoring system, the law requires that the public be given notice of AUDIO MONITORING ON THE PREMISES. A decal notice is included with each microphone shipped.



Federal Law References:
Federal Regulations, US Code, Title 18,
Crime and Criminal Procedure, Sec 2510.

MANUFACTURED
IN THE



WIRING REQUIREMENTS

2 Conductor **shielded** cable, 22 gauge with a 24 gauge drain wire.

NOTE: Unshielded cable is not satisfactory for audio systems.

West Penn 452 or equivalent



WARRANTY

LOUROE ELECTRONICS® warrants that at the time of shipment products manufactured by LOUROE ELECTRONICS® to be free of defects in material and workmanship. Should a defect appear within one year (12 months) from date of shipment, LOUROE ELECTRONICS® will, at its sole discretion, repair or replace the defective equipment. This equipment shall not be accepted for repair or return without prior notification by LOUROE ELECTRONICS®.

This warranty does not extend to any Louroe product that has been subjected to improper or incorrect installation, misuse, accident, or in violation of installation instructions provided by LOUROE ELECTRONICS®.

Returned shipments to LOUROE ELECTRONICS® shall be at customer's expense. LOUROE ELECTRONICS® will return the equipment prepaid via best way.

LOUROE ELECTRONICS® 6955 VALJEAN AVENUE, VAN NUYS, CA 91406 TEL (818) 994-6498 FAX (818)994-6458
website: www.louroe.com e-mail: sales@louroe.com

B_ml_mic_inst_7/11



Compare TVs



42" Class Full HD 1080p LCD TV
(42.0" diagonal)
42LD450

24" Class 720p LED TV (23.5"
diagonal)
24LN4510

★★★★★ (248)

\$269⁹⁹
Suggested Price

★★★★★ (6)

SUMMARY

Screen Size	42"	24"
Screen Size Diagonal	42.0"	
Display Type	LCD	
Native Display Resolution	1920 x 1080	
Contrast Ratio (DCR)	100,000:1	
Response Time	4 ms	
Life Span (Typical)	60,000 hours	
Full HD 1080	Yes	
ED-Resolution	1080p	
No. of HDMI Ports	2	
Pictures and Music via USB 2.0	Yes	

PANEL SPECIFICATIONS

Screen Size Class (diagonal)		24" Class (23.5" diagonal)
Resolution		1366 x 768p
BLU Type		LED
Refresh Rate		60Hz

DIMENSIONS / WEIGHT

TV without stand (WxHxD)	40.2" x 25.0" x 3.0"	21.9" x 13.5" x 2.5"
TV with stand (WxHxD)	40.2" x 27.0" x 10.3"	21.9" x 15.4" x 5.5"
Shipping Dimensions (WxHxD)		25.2" x 5" x 16.5"
TV without stand weight	29.8 lbs	7.7 lbs
TV with stand weight	33.3 lbs	8.2 lbs
Shipping weight	41.7 lbs	11.0 lbs

BROADCASTING SYSTEM

Built-In Tuner	ATSC/NTSC/Clear QAM
----------------	---------------------

VIDEO

Triple XD™ Engine		Yes
XD® Engine	Yes	
Color Temperature Control	3 Modes (Warm/Medium/Cool)	
Picture Mode	7 Modes (Intelligent Sensor/Vivid/Standard/Cinema/Game/ISF Expert 1/ISF Expert 2)	7 Modes (Vivid/Standard/Cinema/Sport/Game/Expert1/Expert2)
Picture Wizard II	Yes	
Smart Energy Saving		Yes
Aspect Ratio	16:9	8 Modes (16:9/Just Scan/Original/4:3/Cinema Zoom/Zoom/Full Wide/14.9 Zoom)
Aspect Ratio Correction	6 Modes	
Just Scan (1:1 Pixel Matching)	HDMI™: 1080p/1080i/720p, Component: 1080p/1080i/720p, RF: 1080i/720p	HDMI: 1080i, Component: 1080p, RF: 720p
AV Mode II (Picture & Sound)		3 Modes (Cinema/Game/Off)
Picture Wizard		Yes
Picture Reset	Yes	
Expert Mode/ISFccc® Ready	Yes	
x.v.Color™	Yes	
Viewing Angle	178° / 178°	
1080p Source Input	HDMI™: 60p/30p/24p, Component: 60p/30p/24p, RGB: 60p (WXGA)	

AUDIO

Speaker System	2 Way 4 Speakers	1 Way, 2 Speakers
Audio Output Power (Watts - THD 10%)	20W (10W x 2)	5W + 5W
Mono/Stereo/Dual (MTS/SAP)	Yes	Yes
Dolby® Digital Decoder	Yes	
Virtual Surround		Yes
Surround System	Infinite Sound	
Bass/Treble/Balance Controls	Yes	
Auto Volume Leveler II	Yes	
Clear Voice II	Yes	Yes
Sound Mode		5 Modes (Standard/Music/Cinema/Sport/Game)
EZ Sound Mode	5 Modes	
CONNECTIVITY		
MHL™ (Mobile High-Definition Link)		Yes
SIMPLINK™ (HDMI™ CEC)		Yes
USB Playback		DivX HD®, JPEG, JPG, MPO, AC3 (Dolby® Digital), EAC3, HAAC, AAC, MPEG, MP3, PCM, DTS®
SPECIAL FEATURES		
Backlight Control	Yes	
Smart Energy Saving	Yes	
A/V Input Navigation	Yes	
Input Labeling	Yes	
Quick View (Flashback)	Yes	
Parental Control w/V-Chip	Yes	
Child Lock	Yes	
SimpLink (HDMI CEC)	Yes	
Closed Caption	Yes	
CONVENIENCE FEATURES		
Language	4 (English/Spanish/French/Korean)	
Auto Tuning/Programming	Yes	
Channel Add/Delete	Yes	
Favorite Channel Programming	Yes	
Auto/Manual Clock	Yes	
On/Off Timer	Yes	
Sleep Timer	Yes	
Auto Off (Sleep)	Yes	
AV INPUTS/OUTPUTS		
RF In (Antenna/Cable)		1 (Rear)
AV In		1 (Rear)
Component Video In(Y, Pb, Pr + Audio)		1 (Rear)
HDMI™/HDCP Input		1 (Rear)
USB 3.0/2.0 Input		1 (Side)
SIDE INPUTS & OUTPUTS		
AV In (Composite)	1	
Headphone Out	1	
HDMI™/HDCP Input (1.3 w/Deep Color)	1	
USB 2.0 (Music/Photo)	1	
REAR INPUTS & OUTPUTS		
RF In (Antenna/Cable)	1	
Component Video In (Y, Pb, Pr) + Audio	1	
Digital Audio Out (Optical)	1	
RGB In (D-Sub 15pin) - PC	1	
PC Audio Input	1	
RS-232C (Control/Service)	1	
AV In (Composite)	1	
HDMI™/HDCP Input (1.3 w/Deep Color)	1	
CABINET / ACCESSORIES		
Cabinet Color	Glossy Black	
VESA® Wall Mount Pattern		100mm x 100mm
Swivel	+20° / -20°	
VESA Compatible	200mm x 200mm	
Remote Control	1 (Unified)	Yes
Batteries		AA x 2
OPTIONAL ACCESSORIES		
Slim Wall Mount	Not Included	
POWER		
ENERGY STAR® Qualified		Yes
Power Supply (Voltage, Hz)	100V - 240V, 50/60 Hz	100V - 240V, 50/60 Hz

On Mode (Average)
Standby Mode

180W
<0.1W

0.3W

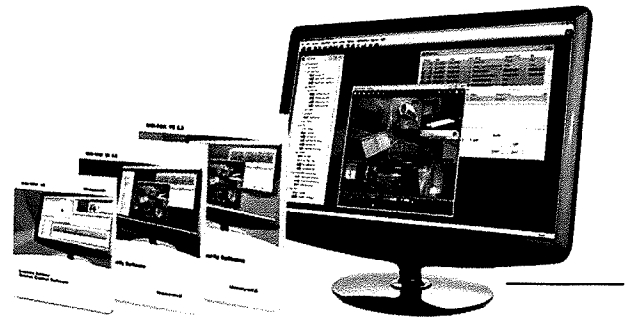
WARRANTY / UPC

Limited Warranty
UPC

1 Year Parts & Labor
719192191952

WIN-PAK®

Integrated Security Software



Honeywell's WIN-PAK® software suite provides a range of solutions from access control only to fully integrated security solutions. WIN-PAK's powerful user interface allows dealers to install a single software for all of their customers' security needs.

- **WIN-PAK XE (Express Edition)** is the baseline software package for access control only. Manage NetAXS and NS2/NS2P controllers from a single workstation. WIN-PAK XE is ideal for single workstation systems that require access only functionality.
- **WIN-PAK SE 3.0 (Standard Edition)** is the software package for access control and standard video integration. The add-on VISTA® intrusion module can further enhance the integration solution. WIN-PAK SE 3.0 is ideal for small to medium integrated security applications and is available in 1 or 5 workstation versions.
- **WIN-PAK PE 3.0 (Professional Edition)** combines all the features of XE and SE plus an unrestricted number of client workstations; VISTA intrusion and advanced video integration; support for multiple department/site applications; multiple communication servers for large applications. All inclusive—no additional upgrades needed.

WIN-PAK optimizes system performance and total cost of ownership by supporting multiple Honeywell platforms—including access control, video surveillance and intrusion—from a single user interface. The benefit is seamless integration that offers a common look and feel for access control hardware as well as video and intrusion solutions. Functions that have traditionally been tied together with physical relays and input devices are now controlled logically providing greater ease and flexibility in managing your system. This level of integration removes multiple software platforms

and interfaces, and is an improvement over a typical non-integrated solution where devices are not aware of what other devices are doing. Reducing the total cost of ownership is always at the forefront of Honeywell products. Unlike other software manufacturers, Honeywell's WIN-PAK does not charge license fees per reader which saves users money.

Quick start wizards make WIN-PAK easy to install and program. Context-sensitive help provides instant information on the screen function you are looking at leading to quick answers to common questions.

WIN-PAK's intrusion integration provides a virtual keypad making it ideal for managing and monitoring remote sites from a single location. WIN-PAK simplifies the access control process and prevents false alarms by allowing supervisors to arm or disarm the system with any valid card. It also offers video integration directly from the user interface, no longer requiring relays and costly wire runs to trigger event recording. WIN-PAK's new video interface provides more robust functionality with an updated look and feel. Video integration allows the operator to choose which events trigger live camera pop-ups such as video motion, power loss on access panel or invalid PIN number entered; view stored video based on filters of past events. Advanced video integration (WIN-PAK PE 3.0) adds the ability to choose which camera presets should be used for up to four cameras per event, providing multiple angles to catch all the details.

WIN-PAK offers advanced reporting capabilities that customers are demanding, users can create customized reports or choose from a variety of predefined reports that can be emailed or exported. Whether you require a simple or comprehensive security solution, WIN-PAK is the right choice for now and the future.

FEATURES

WIN-PAK XE

- Manage cardholders across multiple sites
- Quick start setup and configuration wizards
- Real-time access event monitoring
 - Control and response, including acknowledge, clear and annotate
 - Tracking and muster view/report
 - Guard tour by point or card read
- Manual override of system functions and schedules
 - Door modes: Lockout, Lockdown, PIN Only, Card+PIN, Card or PIN, Card Only
- Advanced reporting functionality
 - Predefined or customized reports
 - Schedule email of predefined reports
 - Export in HTML or delimited format
- Elevator call and control
- Anti-passback processing
 - Hard or Soft per reader
 - Learn mode override

- Context-sensitive help
- Dynamic floor plans
 - Control access devices
 - Floor plan linking
- Card numbers to 20 digits
- Toggle lock during unlock schedule - lunch hour mode
- Toggle lock outside of schedule - after hours meeting mode
- Card database lookup
- User defined procedures per event/schedule
- 3-Holiday types
- ID badging standard
- Prioritized Alarm Events

WIN-PAK SE 3.0 / WIN-PAK PE 3.0

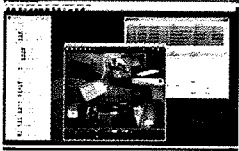
- Includes all features from WIN-PAK XE
- 1, 5 or unrestricted number of workstations
- 1 or 50 accounts

- Integrate access control, digital video and intrusion
 - Arm or disarm per card read
 - Record and playback access, intrusion or video events and alarms
 - Define up to four PTZ cameras to respond per event (PE 3.0 only)
 - Alarm video popup and user verification
 - Synchronized video playback with access, intrusion or video events
 - Define and extract video clips
- Real-time intrusion, access and video event monitoring
 - includes live and recorded video
- Manual override of system functions and schedules
 - Arm/disarm partitions and zone
 - Bypass/un-bypass zones
- Dynamic floor plans
 - Control access, intrusion and video devices

WIN-PAK®

Integrated Security Software

BENEFITS



Seamless Integration

WIN-PAK brings together Honeywell's access control system, VISTA® intrusion control panel, Rapid Eye™ Multi-Media Series, MAXPRO® NVR SE/SE, Fusion Series and HRDP Series DVR systems. The seamless integration of these systems under WIN-PAK provides a common look and feel throughout. This eliminates the confusion and compatibility issues brought on by different systems from many manufacturers.



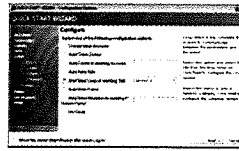
Increased Intrusion Function

Add WIN-PAK to an existing VISTA-128BPT, VISTA-250BPT, VISTA-128FBP or VISTA-250FBP installation and disarm partitions from a single valid card read or arm partitions by presenting the card three times to the reader; manage and monitor the intrusion system from the virtual keypad; assign user codes to cardholders; monitor and control points from a floor plan; generate customized reports for intrusion events and user actions, real-time event and alarm reporting, and more. Integration is included with WIN-PAK PE 3.0 – optional for WIN-PAK SE 3.0.



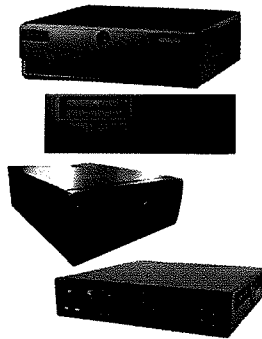
No Need to Retrain

WIN-PAK integrates with Honeywell products that have been trusted by customers for years. WIN-PAK, VISTA, Rapid Eye, Fusion and HRDP provide a familiar look and feel to existing installations and require little or no additional time for installation and programming.



Fast and Easy Setup

Setup is quick and easy using quick start wizards. Wizards make programming simple by taking users step-by-step through basic installation and programming. Context-sensitive help is available anywhere in the program by pressing F1.



Enhanced Security

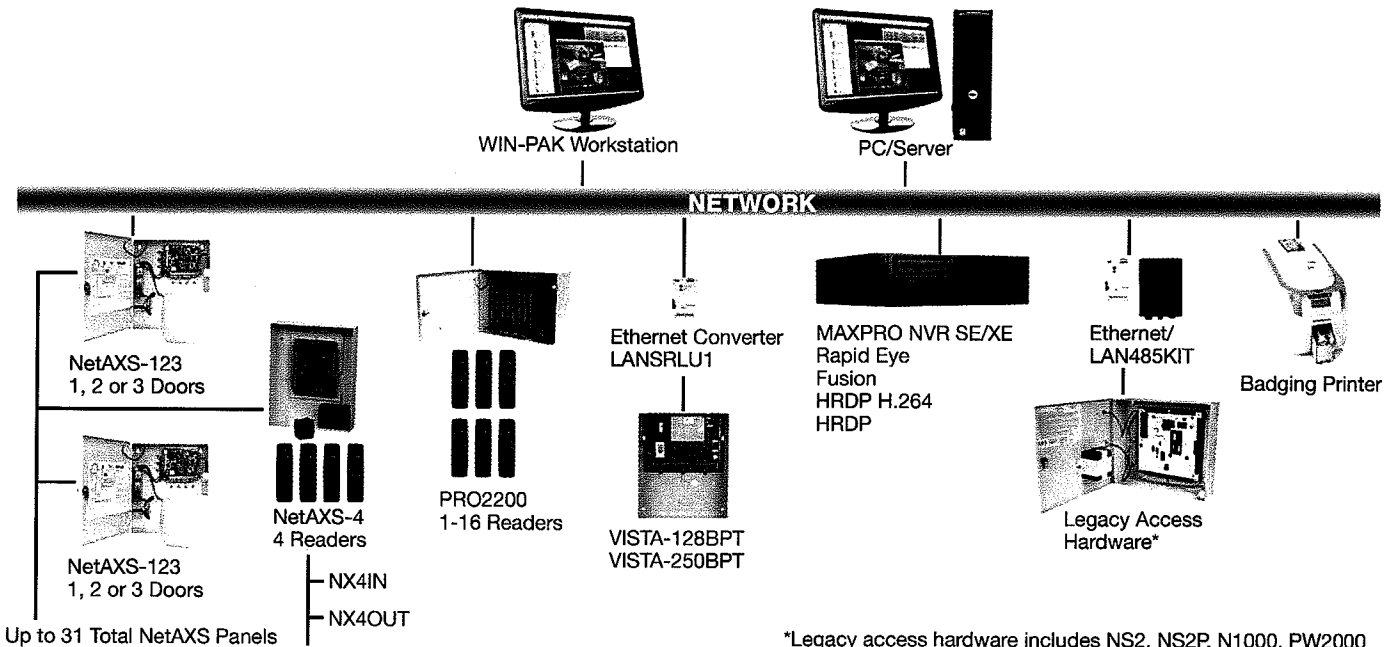
Integration to Honeywell's video products provides flexibility to match the right hardware to each application and provide camera popup on alarm and system events, video clip retrieval; PTZ and preset control. Advanced video integration (WIN-PAK PE 3.0 only) allows up to four cameras to be called per event type (depending on selected DVR); calls cameras to go to preset; defines if manual PTZ override is allowed during the event; and record instant, intensive or custom per camera. Access, intrusion and video events notify the operator, alerting users to view live video or easily retrieve video playback.



Reduce False Alarms, Unauthorized Access

WIN-PAK SE 3.0 with VISTA integration option (standard with WIN-PAK PE 3.0) reduces unwanted alarms caused by improper keypad operation, incorrect codes or unauthorized access to sensitive areas. Reports can be generated to help businesses improve on their operating efficiencies.

CONFIGURATION



*Legacy access hardware includes NS2, NS2P, N1000, PW2000

INTEGRATION CAPABILITIES

Honeywell's innovative WIN-PAK® with video and intrusion integration combines the three most common security requirements from customers together under one common user interface. Ownership costs associated with training, maintenance and the ability to make system changes on the fly are reduced. Integration is achieved in the software, so there are no interruptions to the workplace caused by hardware and wire installations.

Key Integration Features

- Grant access and disarm system on valid card read
- Arm system on valid triple card read
- View live video from up to 16 cameras simultaneously
- Valid/invalid cardholder verification
- Arm/disarm video verification
- Pop-up video on access or intrusion function
- Virtual alarm touchpad
 - View intrusion control panel status
 - VISTA® keypad control through WIN-PAK software
- Live system control
 - Arm/disarm intrusion system
 - Multiple partition control
 - Bypass/unbypass doors
 - Live camera view, including PTZ
- Define up to four different camera and presets per event type (WIN-PAK PE 3.0).

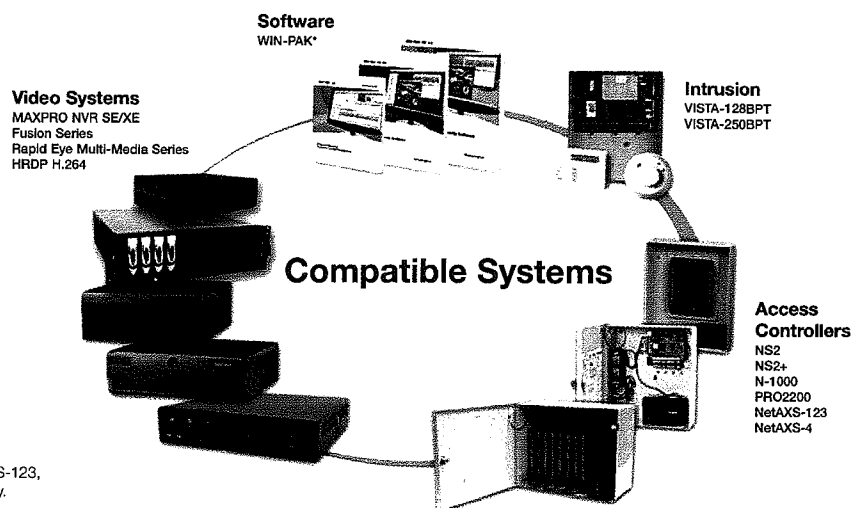
Key Integration Benefits

- Save time and money by managing three separate systems with one easy-to-use software interface.
- Improve the level of security by eliminating use of keys or user code sharing. Increase security by using a unique card to disarm a system and grant access at the door.
- WIN-PAK software interface allows users to retrieve and play back alarms associated with intrusion and access control.
- Automated reporting allows users to send up-to-date reports on intrusion and access events hourly, daily, weekly or monthly.
- Reduce employee down-time by only requiring training on one system.
- Expand to meet current and future needs. Start with access and add video or intrusion later as requirements change.

Typical Applications

- Office buildings
- Warehouses
- Convenience stores
- Daycare centers
- Schools/universities
- Retail establishments
- Pharmacies
- Hospitals/medical offices
- Light industrial
- Restaurants

SUPPORTED INTEGRATION DEVICES



*WIN-PAK XE supports NetAXS-123, NetAXS-4, NS2 and NS2P only.

WIN-PAK®

Integrated Security Software

ORDERING

WIN-PAK XE

- WPXE** WIN-PAK XE
UXS35V Upgrade from WIN-PAK XE to WIN-PAK SE 3.0 Five user with VISTA®
UXP3 Upgrade from WIN-PAK XE to WIN-PAK PE 3.0

WIN-PAK SE 3.0

- WPS3** WIN-PAK SE 3.0
WPS3V WIN-PAK SE 3.0 with VISTA
WPS3U5 WIN-PAK SE 3.0 Five user
WPS3U5V WIN-PAK SE 3.0 Five user with VISTA

WIN-PAK SE 3.0 Upgrades

- USXS3** Upgrade from WIN-PAK 2005/SE/SE 2.0 - Same options and users to WIN-PAK SE 3.0
US3S3V Upgrade from WIN-PAK SE 3.0 Single user (WPS3) to WIN-PAK SE 3.0 Single user with VISTA (WPS3V)
US3S3U5 Upgrade from WIN-PAK SE 3.0 Single user (WPS3) to WIN-PAK SE 3.0 Five user (WPS3U5)
US3S35V Upgrade from WIN-PAK SE 3.0 Single user (WPS3) to WIN-PAK SE 3.0 Five user with VISTA (WPS3U5V)
US3VS35V Upgrade from WIN-PAK SE 3.0 Single user with VISTA (WPS3V) to WIN-PAK SE 3.0 Five user with VISTA (WPS3U5V)

- US35S35V** Upgrade from WIN-PAK SE 3.0 Five user (WPS3U5) to WIN-PAK SE 3.0 Five user with VISTA (WPS3U5V)

WIN-PAK PE 3.0

- WPP3** WIN-PAK PE 3.0

WIN-PAK PE 3.0 Upgrades

- UPP3** Upgrade from WIN-PAK PE (WPPE) or WIN-PAK PE 2.0 (WPP2) to WIN-PAK PE 3.0 (WPP3)
US3P3 Upgrade from WIN-PAK SE 3.0 Single user (WPS3) to WIN-PAK PE 3.0 (WPP3)
US35P3 Upgrade from WIN-PAK SE 3.0 Five user (WPSU53) to WIN-PAK PE 3.0 (WPP3)

WIN-PAK SE 3.0/WIN-PAK PE 3.0 Hardware Keys for RAID Applications

- WPS2K** WIN-PAK SE 3.0/WIN-PAK SE 2.0 hardware key
WPS2U5K WIN-PAK SE 3.0/WIN-PAK SE 2.0 Five user hardware key
WPP2K WIN-PAK PE 3.0/WIN-PAK PE 2.0 hardware key

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COMPUTER REQUIREMENTS

The following are the hardware and software requirements to install WIN-PAK on your computer:

- **Minimum:** Stand-alone computer that supports 1 to 10 readers, 250 cards (access only – no video integration)
- **Recommended Server:** Computer that supports 1 to 100 readers, 5,000 cards, OS licensed per the number of workstations needed and communication ports per your application
- **Performance:** Supports more than 100 readers, 50,000+ cards, 150,000 events per day
- **Supported OS:** 64-bit and 32-bit Windows® 7 Professional, Windows 7 Ultimate, Windows Server 2008 R2, Windows XP Professional SP3 and Windows 2003 Server

	Minimum (No video integration)	Minimum/Workstation	Recommended	Performance
Operating System	Windows XP Professional SP3 (no video integration)	Windows 7 Professional	Windows Server 2008 R2 Service Pack 1	Windows Server 2008 R2 Standard Service Pack 1
Database	SQL Server 2008 R2 Express (included)	SQL Server 2008 R2 Express (included)	SQL Server 2008 R2 Express (included)	SQL Server 2008 R2 with processor license recommended
Processor	Intel® Pentium IV	Intel® Core™ i5 2400	Intel® Xeon® E5600 series	Intel® Xeon® X5600 series
CPU	2.4 GHz	3.1 Ghz	2.4 GHz	2.8 GHz
RAM	4 GB	4 GB	8 GB	16 GB
Hard Disk	80 GB STATA with minimum 5 GB free	80 GB STATA with minimum 5 GB free	250 GB STATA or SCSI	1 TB 15000 RPM drives configured as: OS on RAID1; DB RAID 1+0 (4-disk)
Video Card	No video integration – Standard video card	1x512 MB PCIe x16**	1x512 MB PCIe x16**	1x512 MB PCIe x16**

Consult factory for other advanced applications

**Recommended video card for video integration is NVIDIA Quadro NVS 300 - 1x512 MB PCIe x16 or similar

For more information:

www.honeywellaccess.com

Automation and Control Solutions

Honeywell Systems
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 Louisville, KY 40299
 1.800.323.4576
www.honeywell.com



L\WNP\KINTD\D
 May 2012
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