



State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
WSH10002

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
ROBERTA WAGNER 304-558-0067

RFQ COPY

TYPE NAME/ADDRESS HERE

UNITED SOUND & ELECTRONICS
525 EAST MAIN STREET
BRIDGEPORT, WV 26330

HEALTH AND HUMAN RESOURCES
WILLIAM R. SHARPE JR. HOSPITAL
CENTRAL RECEIVING
936 SHARPE HOSPITAL ROAD
WESTON, WV
26452
304-269-1210

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
07/01/2009				

BID OPENING DATE: 08/04/2009 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
***** MANDATORY PRE-BID MEETING IS SCHEDULED FOR JULY 15, 2009 AT 1:00 PM AT WILLIAM R. SHARPE, JR. HOSPITAL, 936 SHARPE HOSPITAL ROAD, WESTON, WV 26452 NO ONE PERSON MAY REPRESENT MORE THAN ONE VENDOR. *****						
0001	1	JB		990-22		
ACCESS CONTROL SECURITY SYSTEM						
WILLIAM R SHARPE JR HOSPITAL IS SEEKING BIDS FOR THE PURCHASE AND INSTALLATION OF AN ACCESS CONTROL SECURITY SYSTEM DESIGNED TO INCLUDE READER-IN/READER-OUT CAPABILITIES AT SEVENTEEN (17) EXTERIOR DOORS AT THE FACILITY. THE SYSTEM MUST MEET FIRE MARSHALL AND OTHER HOSPITAL REGULATIONS AND REQUIREMENTS. (SEE ATTACHED SPECIFICATIONS.) VENDOR IS IDENTIFY THE PRODUCT AND PROVIDE PRODUCT BROCHURES AS TO ABILITY TO MEET THE BID SPECIFICATIONS A MANDATORY VENDOR PREBID CONFERENCE IS SCHEDULED FOR JULY 15, 2009 AT 1:00 PM IN THE BUSINESS OFFICE OF WILLIAM R SHARPE JR HOSPITAL, 936 SHARPE HOSPITAL ROAD, WESTON, WV 26452. INQUIRIES:						

RECEIVED
2009 AUG 20 AM 9:47
WV PURCHASING
DIVISION

SIGNATURE <i>[Signature]</i>		TELEPHONE 304-242-6030		DATE 8-18-2009
TITLE <i>owner</i>	FEIN 26-0168305	ADDRESS CHANGES TO BE NOTED ABOVE		

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

1. Awards will be made in the best interest of the State of West Virginia.
2. The State may accept or reject in part, or in whole, any bid.
3. All quotations are governed by the **West Virginia Code** and the **Legislative Rules** of the Purchasing Division.
4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
5. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
6. Payment may only be made after the delivery and acceptance of goods or services.
7. Interest may be paid for late payment in accordance with the **West Virginia Code**.
8. Vendor preference will be granted upon written request in accordance with the **West Virginia Code**.
9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
11. The laws of the State of West Virginia and the **Legislative Rules** of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.
14. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
15. **WEST VIRGINIA ALCOHOL & DRUG-FREE WORKPLACE ACT:** If this Contract constitutes a public improvement construction contract as set forth in Article 1D, Chapter 21 of the West Virginia Code ("The West Virginia Alcohol and Drug-Free Workplace Act"), then the following language shall hereby become part of this Contract: "The contractor and its subcontractors shall implement and maintain a written drug-free workplace policy in compliance with the West Virginia Alcohol and Drug-Free Workplace Act, as set forth in Article 1D, Chapter 21 of the West Virginia Code. The contractor and its subcontractors shall provide a sworn statement in writing, under the penalties of perjury, that they maintain a valid drug-free work place policy in compliance with the West Virginia and Drug-Free Workplace Act. It is understood and agreed that this Contract shall be cancelled by the awarding authority if the Contractor: 1) Fails to implement its drug-free workplace policy; 2) Fails to provide information regarding implementation of the contractor's drug-free workplace policy at the request of the public authority; or 3) Provides to the public authority false information regarding the contractor's drug-free workplace policy."

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division.
2. **SPECIFICATIONS:** Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Complete all sections of the quotation form.
4. Unit prices shall prevail in case of discrepancy.
5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
6. **BID SUBMISSION:** All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130.



State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
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HEALTH AND HUMAN RESOURCES
WILLIAM R. SHARPE JR. HOSPITAL
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07/01/2009				

BID OPENING DATE:

08/04/2009

BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
WRITTEN QUESTIONS SHALL BE ACCEPTED THROUGH CLOSE OF BUSINESS ON 7/16/2009. QUESTIONS MAY BE SENT VIA USPS, FAX, COURIER OR E-MAIL. IN ORDER TO ASSURE NO VENDOR RECEIVES AN UNFAIR ADVANTAGE, NO SUBSTANTIVE QUESTIONS WILL BE ANSWERED ORALLY. IF POSSIBLE, E-MAIL QUESTIONS ARE PREFERRED. ADDRESS INQUIRIES TO: ROBERTA WAGNER DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25311 FAX: 304-558-4115 E-MAIL: ROBERTA.A.WAGNER@WV.GOV NOTICE TO PROCEED: THIS CONTRACT IS TO BE PERFORMED WITHIN 120 CALENDAR DAYS AFTER THE NOTICE TO PROCEED IS RECEIVED. CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE MATERIALS OR WORKMANSHIP SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM WITH THE SPECIFICATIONS OF THE BID AND CONTRACT HERE IN. WAGE RATES: THE CONTRACTOR OR SUBCONTRACTOR SHALL PAY THE HIGHER OF THE U.S. DEPARTMENT OF LABOR MINIMUM WAG						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

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V E N D O R	RFQ COPY
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	UNITED SOUND & ELECTRONICS
	525 EAST MAIN STREET BRIDGEPORT, WV 26330

S H I P T O	HEALTH AND HUMAN RESOURCES
	WILLIAM R. SHARPE JR. HOSPITAL
	CENTRAL RECEIVING
	936 SHARPE HOSPITAL ROAD WESTON, WV 26452 304-269-1210

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<p>RATES AS ESTABLISHED FOR LEWIS COUNTY, PURSUANT TO WEST VIRGINIA CODE 21-5A, ET, SEQ. (PREVAILING WAGE RATES APPLY TO THIS PROJECT)</p> <p>WORKERS' COMPENSATION: VENDOR IS REQUIRED TO PROVIDE A CERTIFICATE FROM WORKERS' COMPENSATION IF SUCCESSFUL.</p> <p>ALL OF THE ITEMS CHECKED BELOW WILL BE A REQUIREMENT OF THIS CONTRACT:</p> <p>(XX) INSURANCE: SUCCESSFUL VENDOR SHALL FURNISH PROOF OF COMMERCIAL GENERAL LIABILITY INSURANCE PRIOR TO ISSUANCE OF CONTRACT. UNLESS OTHERWISE SPECIFIED IN THE BID DOCUMENTS, THE MINIMUM AMOUNT OF INSURANCE COVERAGE REQUIRED IS \$250,000.</p> <p>CONTRACTORS LICENSE</p> <p>BIDDER TO COMPLETE:</p> <p>CONTRACTORS NAME: <u>United Sound & Electronics, LLC</u></p> <p>CONTRACTORS LICENSE NO.: <u>WV</u></p> <p>THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FURNISH A COPY OF THEIR CONTRACTORS LICENSE PRIOR TO ISSUANCE OF A PURCHASE ORDER/CONTRACT</p> <p>APPLICABLE LAW</p> <p>THE WEST VIRGINIA STATE CODE, PURCHASING DIVISION RULES AND REGULATIONS, AND THE INFORMATION PROVIDED IN THE "REQUEST FOR QUOTATION" ISSUED BY THE PURCHASING</p>						

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Department of Administration
Purchasing Division
2019 Washington Street East
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<p>DIVISION IS THE SOLE AUTHORITY GOVERNING THIS PROCUREMENT.</p> <p>ANY INFORMATION PROVIDED IN SPECIFICATION MANUALS, OR ANY OTHER SOURCE, VERBAL OR WRITTEN, WHICH CONTRADICTS OR ALTERS THE INFORMATION PROVIDED FROM THE SOURCES AS DESCRIBED IN THE ABOVE PARAGRAPH IS VOID AND OF NO EFFECT.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER.</p> <p>REV. 5/2009</p> <p>NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p>DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p> <p>PLEASE NOTE: A CONVENIENCE COPY WOULD BE APPRECIATED.</p> <p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p> <p>BUYER:-----RW/FILE 22-----</p> <p>REQ. NO.:-----WSH10002-----</p>						

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07/01/2009				

BID OPENING DATE:

08/04/2009

BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
BID OPENING DATE: ----- 8/4/2009 -----						
BID OPENING TIME: ----- 1:30 PM -----						
PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: ----- 304-842-7160 -----						
PLEASE PRINT OR TYPE NAME OF PERSON TO CONTACT CONCERNING THIS QUOTE: ----- [Signature] -----						
***** THIS IS THE END OF RFQ WSH10002 ***** TOTAL: 129,858.66						
Camera System: 60,847.00						
Total: 129,858.66						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE [Signature]	TELEPHONE	DATE 8-18-09
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

SPECIFICATIONS ACCESS CONTROL SECURITY SYSTEM

West Virginia Department of Health and Human Resources
Bureau for Behavioral Health and Health Facilities
William R. Sharpe, Jr. Hospital
936 Sharpe Hospital Road
Weston, West Virginia 26452

SPECIFICATIONS

William R. Sharpe, Jr. Hospital is seeking bids for the purchase and installation of an access control system designed to include reader in/reader out capabilities at seventeen (17) exterior doors at the facility.

GENERAL CONDITIONS

It is the intent of the Hospital to purchase only those services as listed.

SCOPE OF WORK

Install proximity card readers, electronic door hardware & ancillary equipment for seventeen (17) exterior doors at William R. Sharpe, Jr. Hospital.

System requirements:

1. The hardware equipment must be integrated with vendor provided management software, which will be used by the security office, safety office, maintenance department and the switchboard.
2. The card reader system must be capable of connecting to the existing Edwards EST III fire alarm system and must comply with all Fire Marshall regulations.
3. Proximity card readers must be installed at each of the seventeen (17) exterior doors.
4. A magnetic lock must be installed at each of the seventeen (17) exterior doors.
5. All computer hardware and software equipment required to run the system.
6. A system to generate and assign 650 access cards to the staff of the hospital.
7. The system must be capable of expansion and upgrading to include up to a maximum of seventeen (17) video cameras and a maximum of ten (10) additional doors.
8. Must have a battery back-up system that can power the product temporarily for fifteen (15) minutes during a power outage.
9. Two year full warranty on all software, hardware, parts and labor.
10. The price must include complete installation and labor for the project at minimum prevailing wages for Lewis County if applicable.

The successful vendor must be registered with the State of West Virginia and will be required to provide a valid current contractor's license and proof of liability insurance.

A Notice to Proceed Letter will advise the successful vendor when the project is to start. The project must be completed within 120 days of the notice to proceed.

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

VENDOR OWING A DEBT TO THE STATE:

West Virginia Code §5A-3-10a provides that: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

If this is a solicitation for a public improvement construction contract, the vendor, by its signature below, affirms that it has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the **West Virginia Code**. The vendor **must** make said affirmation with its bid submission. Further, public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the **West Virginia Code** and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the **West Virginia Code** may take place before their work on the public improvement is begun.

ANTITRUST:

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid

LICENSING:

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.

Under penalty of law for false swearing (**West Virginia Code §61-5-3**), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

Vendor's Name: United Sound & Electronics

Authorized Signature: [Signature] Date: 8-18-2009

State of West Virginia

VENDOR PREFERENCE CERTIFICATE

Certification and application* is hereby made for Preference in accordance with **West Virginia Code, §5A-3-37**. (Does not apply to construction contracts). **West Virginia Code, §5A-3-37**, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the **West Virginia Code**. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable

1. ☒ **Application is made for 2.5% resident vendor preference for the reason checked:**
 Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,
 Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,
 Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,
2. ☒ **Application is made for 2.5% resident vendor preference for the reason checked:**
 Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
3. ☐ **Application is made for 2.5% resident vendor preference for the reason checked:**
 Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
4. ☐ **Application is made for 5% resident vendor preference for the reason checked:**
 Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,
5. ☐ **Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:**
 Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,
6. ☐ **Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:**
 Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: United Sound & Light Signed: [Signature]
 Date: 8-18-2009 Title: Owner

*Check any combination of preference consideration(s) indicated above, which you are entitled to receive.

ATTACHMENT
P O # WSH10002

This agreement constitutes the entire agreement between the parties, and there are no other terms and conditions applicable to the licenses granted hereunder

Agreed

R. K. L. N 8-18-2009
Signature Date

Owner
Title

United Sound Electronics, LLC
Company Name

Signature Date

Title

Agency/Division

WV-96
Rev 10/07

AGREEMENT ADDENDUM

In the event of conflict between this addendum and the agreement, this addendum shall control:

1. **DISPUTES** - Any references in the agreement to arbitration or to the jurisdiction of any court are hereby deleted. Disputes arising out of the agreement shall be presented to the West Virginia Court of Claims.
2. **HOLD HARMLESS** - Any clause requiring the Agency to indemnify or hold harmless any party is hereby deleted in its entirety.
3. **GOVERNING LAW** - The agreement shall be governed by the laws of the State of West Virginia. This provision replaces any references to any other State's governing law.
4. **TAXES** - Provisions in the agreement requiring the Agency to pay taxes are deleted. As a State entity, the Agency is exempt from Federal, State, and local taxes and will not pay taxes for any Vendor including individuals, nor will the Agency file any tax returns or reports on behalf of Vendor or any other party.
5. **PAYMENT** - Any references to prepayment are deleted. Payment will be in arrears.
6. **INTEREST** - Should the agreement include a provision for interest on late payments, the Agency agrees to pay the maximum legal rate under West Virginia law. All other references to interest or late charges are deleted.
7. **RECOUPMENT** - Any language in the agreement waiving the Agency's right to set-off, counterclaim, recoupment, or other defense is hereby deleted.
8. **FISCAL YEAR FUNDING** - Service performed under the agreement may be continued in succeeding fiscal years for the term of the agreement, contingent upon funds being appropriated by the Legislature or otherwise being available for this service. In the event funds are not appropriated or otherwise available for this service, the agreement shall terminate without penalty on June 30. After that date, the agreement becomes of no effect and is null and void. However, the Agency agrees to use its best efforts to have the amounts contemplated under the agreement included in its budget. Non-appropriation or non-funding shall not be considered an event of default.
9. **STATUTE OF LIMITATION** - Any clauses limiting the time in which the Agency may bring suit against the Vendor, lessor, individual, or any other party are deleted.
10. **SIMILAR SERVICES** - Any provisions limiting the Agency's right to obtain similar services or equipment in the event of default or non-funding during the term of the agreement are hereby deleted.
11. **ATTORNEY FEES** - The Agency recognizes an obligation to pay attorney's fees or costs only when assessed by a court of competent jurisdiction. Any other provision is invalid and considered null and void.
12. **ASSIGNMENT** - Notwithstanding any clause to the contrary, the Agency reserves the right to assign the agreement to another State of West Virginia agency, board or commission upon thirty (30) days written notice to the Vendor and Vendor shall obtain the written consent of Agency prior to assigning the agreement.
13. **LIMITATION OF LIABILITY** - The Agency, as a State entity, cannot agree to assume the potential liability of a Vendor. Accordingly, any provision limiting the Vendor's liability for direct damages to a certain dollar amount or to the amount of the agreement is hereby deleted. Limitations on special, incidental or consequential damages are acceptable. In addition, any limitation is null and void to the extent that it precludes any action for injury to persons or for damages to personal property.
14. **RIGHT TO TERMINATE** - Agency shall have the right to terminate the agreement upon thirty (30) days written notice to Vendor. Agency agrees to pay Vendor for services rendered or goods received prior to the effective date of termination.
15. **TERMINATION CHARGES** - Any provision requiring the Agency to pay a fixed amount or liquidated damages upon termination of the agreement is hereby deleted. The Agency may only agree to reimburse a Vendor for actual costs incurred or losses sustained during the current fiscal year due to wrongful termination by the Agency prior to the end of any current agreement term.
16. **RENEWAL** - Any reference to automatic renewal is hereby deleted. The agreement may be renewed only upon mutual written agreement of the parties.
17. **INSURANCE** - Any provision requiring the Agency to insure equipment or property of any kind and name the Vendor as beneficiary or as an additional insured is hereby deleted.
18. **RIGHT TO NOTICE** - Any provision for repossession of equipment without notice is hereby deleted. However, the Agency does recognize a right of repossession with notice.
19. **ACCELERATION** - Any reference to acceleration of payments in the event of default or non-funding is hereby deleted.
20. **CONFIDENTIALITY** - Any provision regarding confidentiality of the terms and conditions of the agreement is hereby deleted. State contracts are public records under the West Virginia Freedom of Information Act.
21. **AMENDMENTS** - All amendments, modifications, alterations or changes to the agreement shall be in writing and signed by both parties. No amendment, modification, alteration or change may be made to this addendum without the express written approval of the Purchasing Division and the Attorney General.

ACCEPTED BY:

STATE OF WEST VIRGINIA

Spending Unit: _____

Signed: _____

Title: _____

Date: _____

VENDOR

Company Name: Unit 1 Sound & Electronics

Signed: [Signature]

Title: Owner

Date: 8-18-2009



State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
WSH10002

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
ROBERTA WAGNER 304-558-0067

VENDOR
*709050401 304-842-6030
UNITED SOUND & ELECTRONICS LLC
525 E MAIN STREET
BRIDGEPORT WV 26330

SHIP TO
HEALTH AND HUMAN RESOURCES
WILLIAM R. SHARPE JR. HOSPITAL
CENTRAL RECEIVING
936 SHARPE HOSPITAL ROAD
WESTON, WV 26452 304-269-1210

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
07/24/2009				

BID OPENING DATE:

08/18/2009

BID OPENING TIME

01:30PM

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 1						
1. TO MOVE THE BID OPENING DATE FROM 8/4/2009 TO 8/18/2009. PRE-BID SIGN-IN SHEET ATTACHED.						
2. ADDENDUM ACKNOWLEDGEMENT IS ATTACHED. THIS DOCUMENT SHOULD BE SIGNED AND RETURNED WITH YOUR BID. FAILURE TO SIGN AND RETURN MAY RESULT IN DISQUALIFICATION OF YOUR BID.						
EXHIBIT 10						
REQUISITION NO.: WSH10002						
ADDENDUM ACKNOWLEDGEMENT						
I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.						
ADDENDUM NO.'S:						
NO. 1 <i>RRH</i>						
NO. 2						
NO. 3						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Robert R. Harrell</i>	TELEPHONE 304-842-6030	DATE 8-18-2009
TITLE <i>owner/member</i>	FEIN 26-0168305	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

Request for Quotation

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*709050401 304-842-6030
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SHIP TO
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936 SHARPE HOSPITAL ROAD
WESTON, WV
26452 304-269-1210

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
07/24/2009				

BID OPENING DATE:

08/18/2009

BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
NO. 4						
NO. 5						
I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.						
VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.						
..... SIGNATURE						
..... COMPANY						
..... DATE						
REV. 11/96						
ADDENDUM NO. 1						

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S H I P T O	HEALTH AND HUMAN RESOURCES
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07/24/2009				

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08/18/2009

BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	JB		990-22		
ACCESS CONTROL SECURITY SYSTEM						
***** THIS IS THE END OF RFQ WSH10002 ***** TOTAL: _____						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

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William R. Sharpe, Jr. Hospital - RFQ WSH10002
Access Control Security System

SIGN IN SHEET

Vendor Name Representative Name	Mailing Address	Telephone # Fax #
1. <u>MSBA - CRAIG CARTER</u>	<u>CHAS, WV</u> <u>6644 SILVERVILLE DR.</u>	(F) <u>304 984-0124</u> (t) <u>304 941-9331</u>
2. <u>Global Tech Communications</u>	<u>4760 Chimney Drive</u> <u>Big Chimney, WV 25302</u>	(f) _____ (t) <u>(304) 345-5530</u>
3. <u>Chad Morris & Bill Simpson</u> <u>Long Security (Inco) Sys LLC</u> <u>Earl Meyer</u> <u>Advanced</u> <u>Earl Meyer</u>	<u>102 39th St SE.</u> <u>Charleston WV 25304</u>	(f) _____ (t) <u>304-925-0339</u> (f) <u>304-925-0338</u>
4. <u>Advanced Alarm Technologies</u>	<u>PO Box 4368</u> <u>Parkersburg WV. 26104</u>	(t) <u>304-422-4387</u> (f) <u>304-422-4387</u>
5. <u>Miller Communications Inc</u> <u>WERNER KNEIGHT</u>	<u>One Wireless Way, Suite 100</u> <u>Sta Parkersburg WV 26101</u>	(t) <u>304-863-8555</u> (f) <u>304 863-3786</u>
6. <u>NEKITECH SYSTEMS, INC</u> <u>DUANE TRIPPETT</u>	<u>420 16TH STREET</u> <u>DUNBAR, WV 25064</u>	(t) <u>304-766-0000</u> (f) <u>304 766-0003</u>
7. <u>SIMPSON TECH SERV</u> <u>MARK SIMPSON</u>	<u>519 HIGHLAND AVE</u> <u>So. CHAS, WV 25309</u>	(t) <u>304-744-5881</u> (f) <u>304-744-5881</u>
8. <u>Bill Miller / Kevin Myers</u> <u>Electronic Specialty Cam</u>	<u>Dunbar WV</u> <u>1325 Dunbar, Ave</u>	(f) <u>304-744-5881</u> (t) <u>304-746-6277</u> (f) <u>304 766 6270</u>

MANDATORY PRE-BID MEETING - 7/15/09 at 1:00pm

William R. Sharpe, Jr. Hospital - RFQ WSH10002
Access Control Security System

- | | | | |
|-----|---------------------------------|------------------------|-------------------------|
| 9. | <u>Rob Howell</u> | <u>525 E Main St.</u> | <u>(t) 304-842-6030</u> |
| | <u>Unid. Board & Elect.</u> | <u>Bridgetown, WV.</u> | <u>(f) 304-842-7160</u> |
| 10. | _____ | _____ | (t) _____ |
| | _____ | _____ | (f) _____ |
| 11. | _____ | _____ | (t) _____ |
| | _____ | _____ | (f) _____ |
| 12. | _____ | _____ | (t) _____ |
| | _____ | _____ | (f) _____ |
| 13. | _____ | _____ | (t) _____ |
| | _____ | _____ | (f) _____ |
| 14. | _____ | _____ | (t) _____ |
| | _____ | _____ | (f) _____ |
| 15. | _____ | _____ | (t) _____ |
| | _____ | _____ | (f) _____ |
| 16. | _____ | _____ | (t) _____ |
| | _____ | _____ | (f) _____ |
| 17. | _____ | _____ | (t) _____ |
| | _____ | _____ | (f) _____ |



State of West Virginia
Department of Administration
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Request for Quotation

RFQ NUMBER
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ADDRESS CORRESPONDENCE TO ATTENTION OF:
ROBERTA WAGNER 304-558-0067

V E N D O R	*709050401 304-842-6030
	UNITED SOUND & ELECTRONICS LLC 525 E MAIN STREET
	BRIDGEPORT WV 26330

S H I P T O	HEALTH AND HUMAN RESOURCES WILLIAM R. SHARPE JR. HOSPITAL CENTRAL RECEIVING 936 SHARPE HOSPITAL ROAD WESTON, WV 26452 304-269-1210
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DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
07/28/2009				

BID OPENING DATE:

08/18/2009

BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 2						
1. QUESTIONS AND ANSWERS ARE ATTACHED.						
2. ADDENDUM ACKNOWLEDGEMENT IS ATTACHED. THIS DOCUMENT SHOULD BE SIGNED AND RETURNED WITH YOUR BID. FAILURE TO SIGN AND RETURN MAY RESULT IN DISQUALIFICATION OF YOUR BID.						
EXHIBIT 10						
REQUISITION NO.: WSH10002						
ADDENDUM ACKNOWLEDGEMENT						
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ADDENDUM NO. S:						
NO. 1 <i>RR15</i>						
NO. 2 <i>RR15</i>						
NO. 3						
NO. 4						
NO. 5						
I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF TH						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>[Signature]</i>	TELEPHONE	DATE 8-18-09
TITLE <i>owner/member</i>	FEIN 26-0168305	ADDRESS CHANGES TO BE NOTED ABOVE

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Request for Quotation

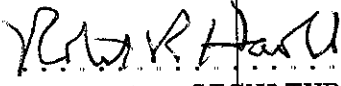
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<div style="text-align: center;"> UNITED SOUND & ELECTRONICS, LLC COMPANY 8-18-2009 DATE</div>						
REV. 11/96						
END OF ADDENDUM NO. 2						
SEE REVERSE SIDE FOR TERMS AND CONDITIONS						
SIGNATURE			TELEPHONE		DATE	
TITLE		FEIN		ADDRESS CHANGES TO BE NOTED ABOVE		

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0001	1	JB		990-22		
ACCESS CONTROL SECURITY SYSTEM						
***** THIS IS THE END OF RFQ WSH10002 ***** TOTAL: _____						

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WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

To response to vendor questions, as follows:

1. Maps of the facilities?

Enclosed are three maps (Door Locations, Computer Network Locations, and Ceiling Types)

2. What are we looking for in terms of Administrative Management?

We want the system to allow for at least 3 administrator accounts to do maintenance.

3. What specifications do you have for the cameras system?

Cameras* = (All specs need to be equivalent or better)

- A. The Camera shall function as a video surveillance camera with ultra-wide dynamic range in indoor or outdoor applications.
- B. The Camera shall be as manufactured by a reputable nationally recognized company.
- C. The Camera housing shall be constructed of heavy-duty aluminum with a polycarbonate style dome.
 - The housing shall have an IP66 weather resistance rating.
 - The housing shall include a captive shroud to conceal camera position.
 - The housing shall utilize a mechanism to allow for optimization of the field of view in various mounting locations.
- D. The camera shall meet or exceed the following specifications:
 - The camera shall have Wide Dynamic Range technology, where each pixel is individually optimized to show details in shadows and highlights.
 - The camera shall have a dynamic range of 95 dB typical.
 - The maximum dynamic range of the camera shall be 120 dB.
 - The signal system shall be NTSC or PAL selectable.
 - The scanning system shall be 525/60 for NTSC and 625/50 for PAL.
 - The synchronization shall be internal or AC line lock.
 - The overall resolution that the camera provides shall be 540 television lines.
 - The camera shall have 720 horizontal and 540 vertical picture elements NTSC.
 - The signal-to-noise ratio shall be better than 49 dB.
 - The gamma compensation shall be 0.45 NTSC or 0.36 PAL.
 - The frame integration shall be between 2x and 32x.
 - The camera shall have color balance and white balance as AWB or AIW-Extend.
 - The camera shall have automatic gain control, fully programmable.
 - The camera shall have a composite video output.
 - The video output shall be 1.0 V p-p at 75-ohm load.

E. The environmental specifications for the dome shall be as follows:

- Operating temperature shall be -58 to 122 degrees Fahrenheit or -50 to 50 degrees Celsius.

Network DVR * = (All specs need to be equivalent or better)

Minimum requirements

A. Workstation requirements may vary based on system size and customer specific application requirements. Increasing memory capacity, hard drive capacity, processor speed, as well as specifying single dual core or dual processors, and multi-monitor displays shall be considered and recommended when required above minimum specifications.

- Up to 15 frames per second at 2 CIF resolution
- 30 days storage at 7 FPS 2 CIF resolution
- Software based Integration with Access Control software – video will pop up inside of access software based on alarms. (No hardware integration – software only)
- Hybrid based – will record up to but not limited to 32 digital or analog cameras or encoder streams
- View video through IP based browser (Internet Explorer).
- Must be UL and CE listed
- Internal Dual Layer DVDRW
- Intel® Core™ i7-975 (3.33GHz, 8MB L3 Cache)
(If this item is not available, then Intel Core 2 Quad with shared L2 cache and 1333 MHz Front Side Bus can substituted)
- 8 GB RAM.
- 2 ea. 1 Terabyte HD configurable to be supported by Raid-1 redundancy.
- 25-inch LCD display, supporting a minimum 32bit high color at 1440x900 resolution.
- 1000MB Ethernet Network Interface Card.
- Standard 101-key keyboard and 2-button wheel mouse.

B. Network DVR shall include the following connectors. * = (All specs need to be equivalent or better)

- Accessory I/O ports
- RS-485/422 (2)
- Alarm input (4, 8 or 16)
- Form C alarm relay (2)
- USB (3)
- Two connectors shall be located on the back panel and one on the front panel.
- RS-232 serial port: DB-9
- Composite video in: BNC (4, 8 or 16), looping auto terminating
- Composite video out, Monitor A: BNC (1)

- Analog video out Monitor A: VGA (1)
- Composite video out, Monitor B: BNC (1)
- Audio in: RCA (2)
- Audio out: RCA (1)
- 1000 Ethernet: RJ-45 (1)

DVR Control Software. * = (All specs need to be equivalent or better)

A. Architecture:

- The SMS (Software Management System) shall be a scalable Microsoft Windows based client/server application for deployment of integrated security operations to include system configuration management & administration, command & control, and real-time monitoring for access control, alarm management, video surveillance, photo ID credentialing, and interfacing with secondary security subsystems and business database applications.
- The SMS application shall be a true 32bit application; supported on Microsoft Windows XP, Vista, Server 2003 Operating Systems on 32bit server deployments.
- The SMS database shall be supported on Microsoft based 32bit architecture.
- The SMS deployment shall allow but not require, the separation of database server, file server, and application server roles to provide maximum flexibility and conformance with IT data center deployment practices

B. Operator Interface:

- The SMS shall use a Windows based client application interface for system configuration management, administration, and monitoring operations.
- The SMS shall provide a mouse-driven, Windows based, graphical user interface allowing operator(s) to open and work on multiple application windows simultaneously, at host server and client workstation(s) with minimal degradation to system performance.
- The SMS shall support defining an unlimited number of operators; application access via workstation(s) shall be restricted by operator login and password. Operator passwords shall be stored in an encrypted manner. The SMS shall provide the ability to setup password rules for password length and expiration periods for system operators.
- The SMS shall allow operator authentication through an Active Directory Server, bypassing SMS storing passwords. Operator access with the SMS shall continue to be defined within the SMS configuration forms.

C. Program Interface: The SMS shall support a program interface (PI), which allows authorized connections between the SMS and external systems for developing custom interfaces and providing tightly coupled integrated solutions. The PI for the SMS shall facilitate real-time response to monitored events processed by the SMS as well as control of devices managed by the SMS.

- The SMS shall only allow authorized connections through the PI.
- The SMS shall allow up to twenty-five (25) concurrent connections to external systems through the PI.
- The PI shall expose the following aspects of the SMS:
 1. Bi-directional alarm event processing for monitoring and acknowledgement
 2. b .Receiving SMS card access activity events
 3. Receiving digital input events
 4. Receiving intrusion zone events
 5. Control of operator logins
 6. Control of alarm point monitoring On/Off
 7. Control of digital input points Enable/Disable
 8. Control of digital output points Open/Close
 9. Control of intrusion zones Arm/Disarm
 10. Control of control panel Modes

D. Application & Database Server:

- Professional Class Platform: Microsoft Windows XP or Server 2003.
- Enterprise Class Server Platform: Microsoft Server 2003 32bit

E. Client Workstations:

- Microsoft Windows [XP or Vista]
- Intel Dual Quad core at a minimum of 3GHz
- 8 GB RAM
- Dual Layer DVD-RW
- 250 GB HD
- 25 LCD display, supporting a minimum 32bit high color at 1440x900 resolution.
- 1000MB Ethernet Network Interface Card.
- Standard 101-key keyboard and 2-button wheel mouse.

4. Your scope mentions having the ability to include up to a maximum of 17 cameras and 10 additional doors on the system.

This has been modified to include 21 door locations currently and ability to expand to include 10 more doors.

I understood at the pre-bid meeting that we are quoting an access control system for 17 doors with 17 cameras and have the ability to add 10 more cameras and 10 more doors to the system. Could you clarify this?

The system has been modified to now include 21 total door locations and bidding of 21 potential cameras to be added to the system. The system must be capable of expanding to handle an additional 10 doors and cameras.

Also mentioned was the integration of the cameras into the access control system. Could you clarify as to what you expect to see in this integration? Usually the camera system is view with it's own browsers, however we can integrate them into the access control so that when an event occurs, they will pop up in the access control to be viewed and trigger the DVR to record at a higher rate or "bookmark" that part of the video.

We would like the camera system to function in the above stated manner described by the vendor. It can be used as a monitoring system at all times, but can also trigger attention when an event happens at a location.

5. Due to the nature of the project and it's funding will a Bid Bond and Performance & Payment Bond be a requirement for this project?

No

Are there set terms regarding the frequency of the submission of Pay Requests ie: bi-weekly, monthly? Will there be retainage held from each pay request? If so, what percentage?

The vendor may bill the hospital for work completed on a monthly basis. Before payment will be issued, a walk through will be performed to ensure that work is completed to the specifications required.

6. In addition, will Certified Payroll Forms be required to be submitted? If so, with what frequency shall they be submitted over the 120 calendar day substantial completion period.

No

7. The fire alarm panel will be providing us a dry contact to shut down the magnetic locks to release the doors. The question I have is will we have to interpose the magnetic lock power with a wire that has to be home run from each door back to the fire alarm panel, or will we be able to accept the contact directly into our access control system and allow it to disable the magnetic locks through programming when this happens? The Fire Marshal will probably have to address this question.

The vendor can use a local devise signal that is activated by the fire alarm system or a signal from the fire alarm panel. The manner this is achieved must meet all Fire Marshal requirements.

8. Since this system is going to consist of 17 cameras that need to come back to a DVR, this will present a problem since most DVR's handle up to 16 cameras when doing an analog camera system which will require the use of two DVR's and possibly present a problem for some vendors to integrate into one screen. If you were doing IP camera's this would not be an issue and could provide smoother integration with the access control system. I understand the reason for steering away from IP Video is due to bandwidth on the

network. I believe the best solution is to use IP, but install our own Switches, converters and run our cables back to the existing equipment room racks and set up our own network for the camera and access control system and then allow your people to access our network from your network to monitor and administer the access control and CCTV system/Network Video Recorder. Please consider and modify specifications accordingly.

The system has been modified to include 21 locations currently and we are not able to support IP video cameras. The video cameras are an additional feature, multiple options may be submitted to support cameras that meet the above stated specifications.

9. Are there any fiber optic cable runs between the various equipment room rack closets now and if so are there any spare fibers available and if so, is the fiber multi-mode or single mode?

Yes, there are fiber drops to the closets.

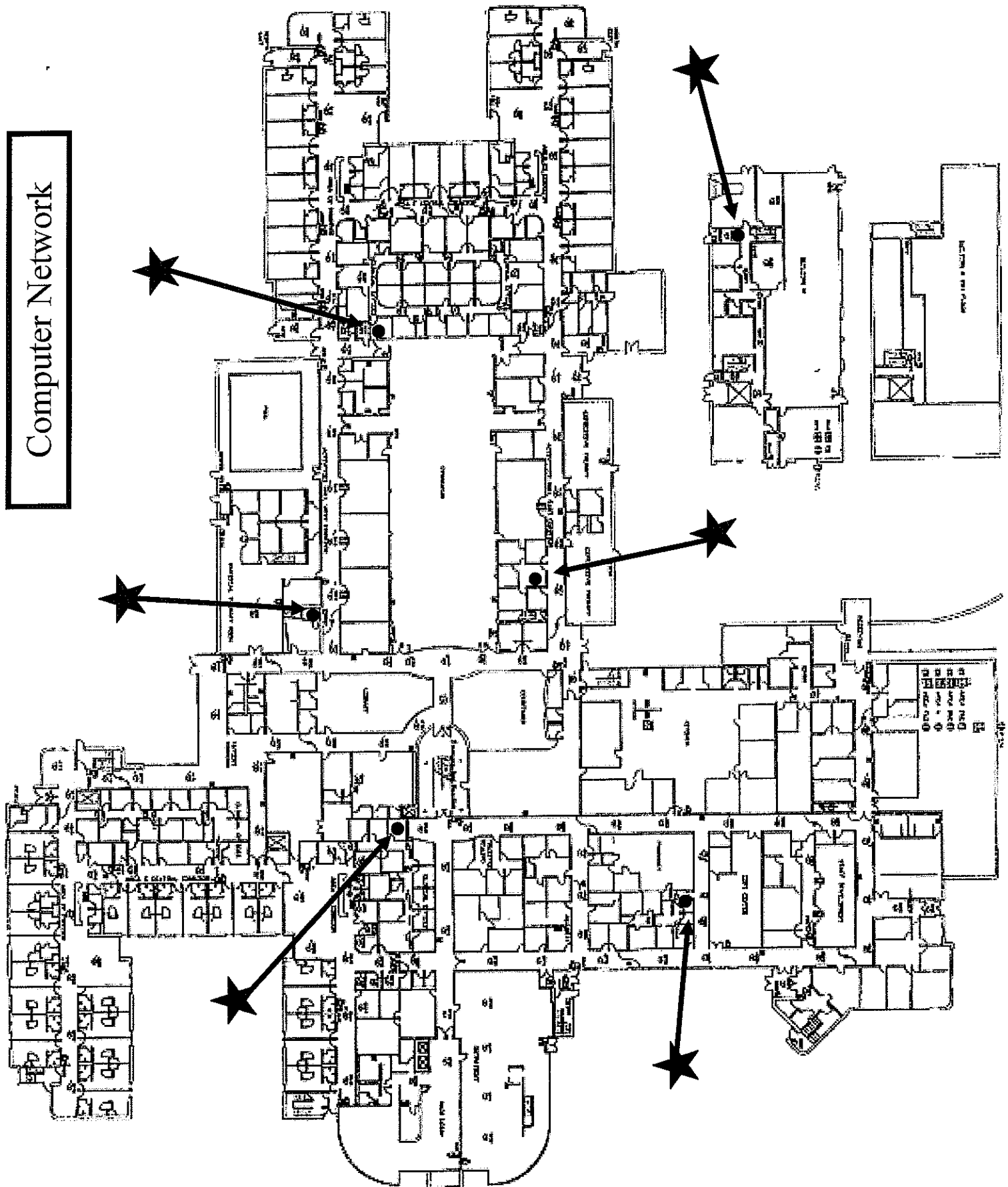
Yes, there are spare fiber pairs.

Multi-mode

Clarification and Corrections to the RFQ:

1. Modification to include 21 doors at the facility. There are 9 single doors and 12 double doors, to make up the 21 total locations.
2. The bid for this system is to include only the access control system without video cameras. The vendors are asked to provide a system that can be updated to include 21 video cameras and provide a cost per camera that meets the above stated specs.
3. The system is to include 1,200 pound magnetic locks on all 21 door locations.
4. The work performed during installation, during maintenance and the completed installation of the product will be done in a manner that comply with all applicable State and Federal rules, regulations and guidelines, including but not limited to NFPA, National Electrical Code, OSHA.
5. After discussion with the Fire Marshall, panic bars are to be set up with a 30 second open delay and must include an alarm that signals an attempt to use the door. The vendor must also provide a NFPA approved sign at each location stating the operation of the mechanism.

Computer Network

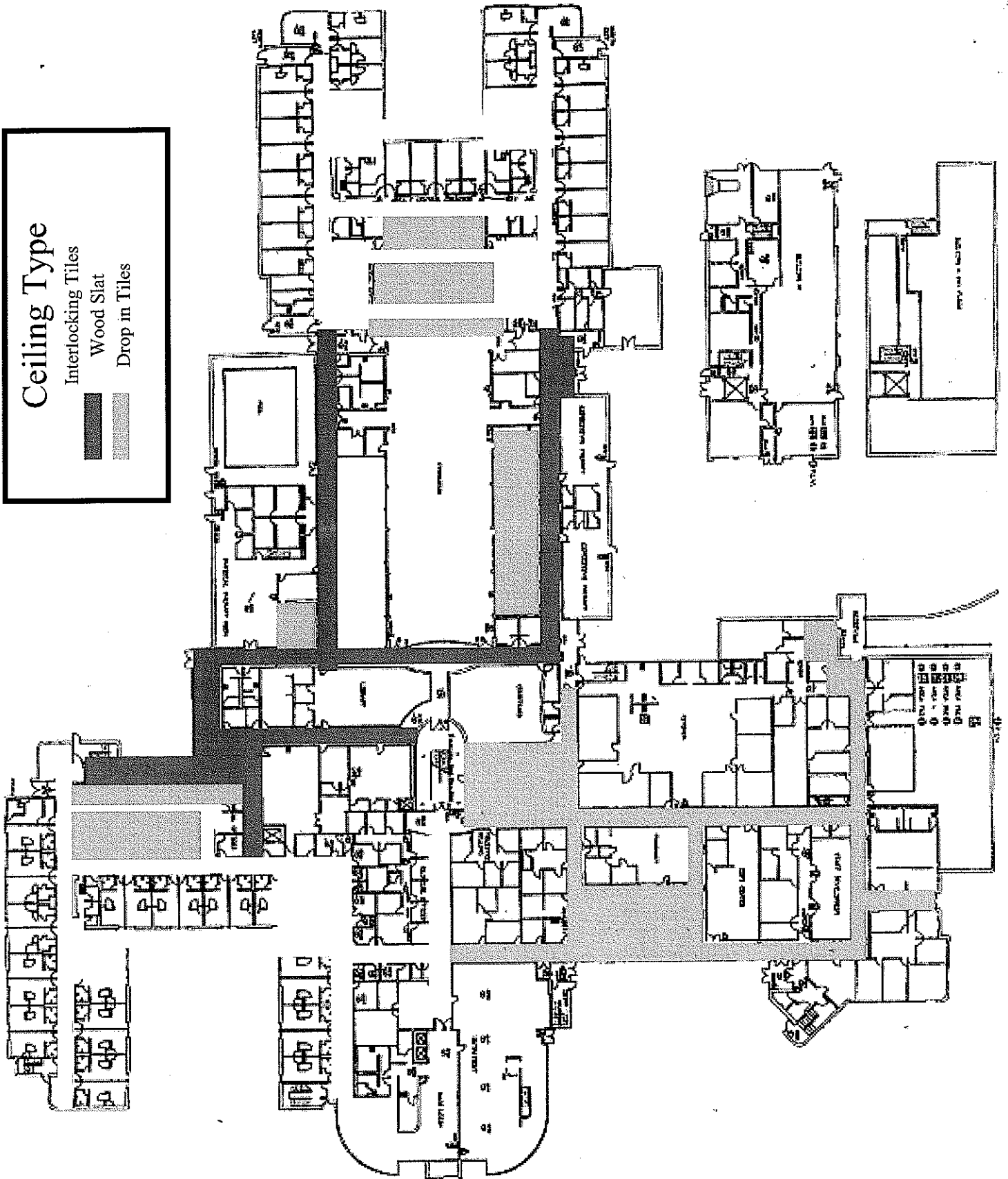
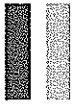


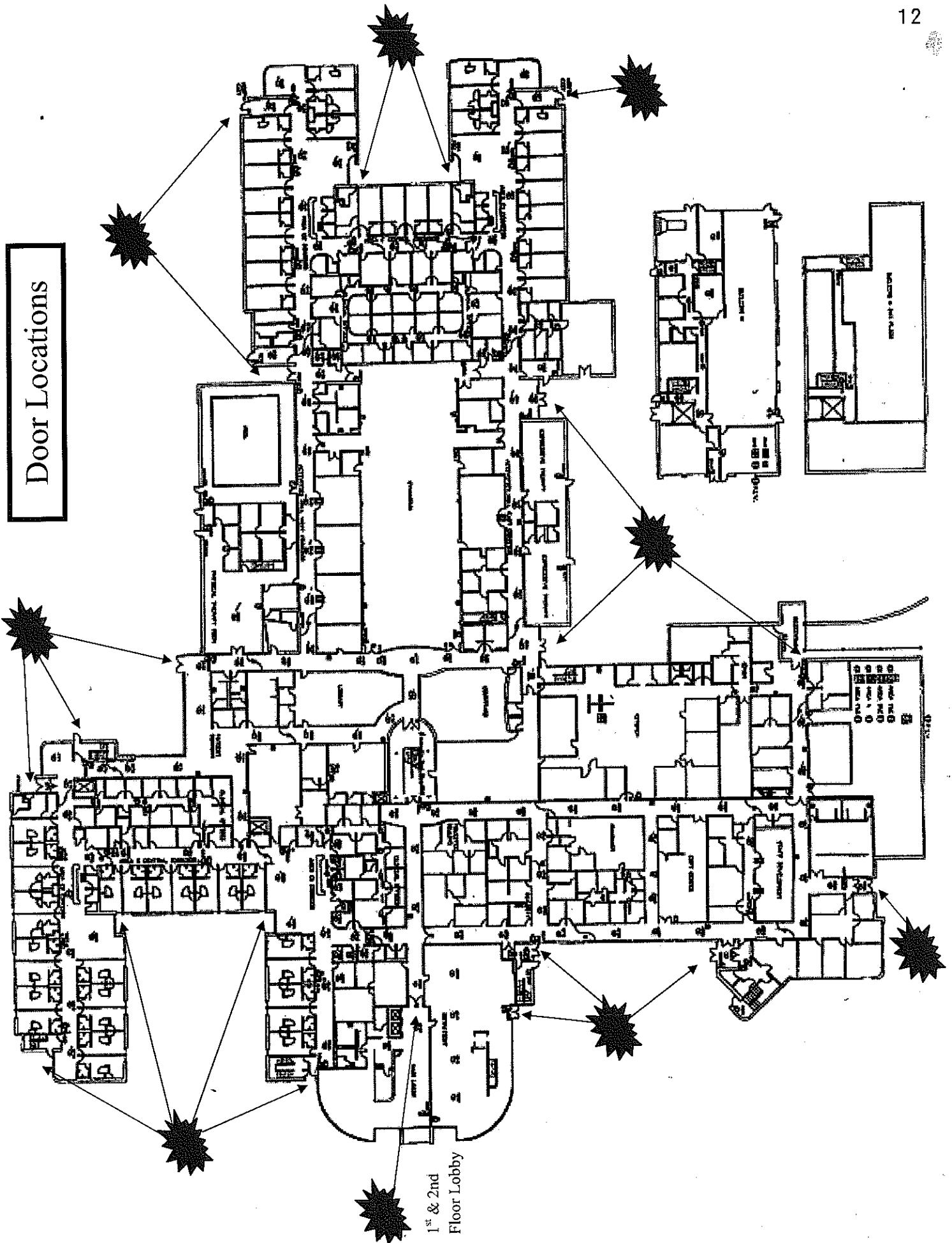
Ceiling Type

Interlocking Tiles

Wood Slat

Drop in Tiles





United Sound & Electronics, LLC

525 East Main Street
Bridgeport, WV 26330

Phone # 800-924-8894 / 304-842-6030

Fax # 304-842-7160

Estimate

DATE	ESTIMATE NO
8/18/2009	01-3292

www.unitedsound.net

NAME / ADDRESS
William R Sharpe Jr. Hospital 936 Sharpe Hospital Rd Weston, WV 26452

TERMS	REP	Access Control Secu	ATTENTION:
Visa	Rob	PROJECT	

QTY	PART #	DESCRIPTION	EACH	TOTAL
		RFQ WSH10002 Access Control Security System		
7	Merchandise	Keri NXT-4D 4 Door Controller		
7	Merchandise	Keri NXT-2D 2 Door Controller		
42	Merchandise	Keri RM3 Weigand Reader interface		
42	HID PP6005BGB	HID ProProx Wiegand Reader		
14	Merchandise	Keri KPS-425 Pw Supply		
14	4AH-12 Volt	4 Amp Hour 12 Volt Battery		
650	Merchandise	Weigand Prox Cards		
1	Merchandise	NXT-CS Client/Server Software		
2	Merchandise	NXT-ADD Additional client Software		
33	SEC	SDC 1511S or SDC1511T depending on door single or double 1200# Maglock for doors with 30 second delay feature as per specifications		
	1 Merchandise	Wire and cable for system installation		
	1 Merchandise	Misc hardware, connectors, etc for complete installation		
504	Labor-P	Labor-Prevailing Wage, Electrician, Barbour, Doddridge, Harrison, Lewis, Marion, Monongahela, Pendleton, Preston, Randolph, Taylor, Tucker and Upshur Counties Includes Base rate 27.71 +16.53 fringe		
		Subtotal Card Access system only:		129,858.66

Thank You for allowing us to serve you! God Bless America	TOTAL
--	--------------

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from this estimate may become an extra charge. All agreements contingent upon strikes, accidents, or delays beyond our control.

*Warranty: All equipment and installation is warranted for a period of one year from date of purchase. Additional warranties from manufacturers also apply.

*This estimate is valid for 60 days.

Page 1

*WV009698 Our Technicians are WV Licensed and Insured

*Unless noted this cost does not include sales tax, permit, or fees if applicable.

United Sound & Electronics, LLC

525 East Main Street
Bridgeport, WV 26330

Phone # 800-924-8894 / 304-842-6030

Fax # 304-842-7160

Estimate

DATE	ESTIMATE NO.
8/18/2009	01-3292

www.unitedsound.net

NAME / ADDRESS
William R Sharpe Jr. Hospital 936 Sharpe Hospital Rd Weston, WV 26452

TERMS	REP	Access Control Secu	ATTENTION:
Visa	Rob	PROJECT	

QTY	PART #	DESCRIPTION	EACH	TOTAL
		The following details the Camera system and HVR Recorder		
1	Merchandise	Toshiba HVR32-480-2000 Hybrid Video Recorder		
		This Recorder will support 32 analog cameras, 21 initially with expansion of 10. No additional cost will be incurred for this expansion other than the cameras and installation.		
1	Merchandise	LCD 25" monitor as per specs		
21	Merchandise	Nuvico CVW21N Camera		
2	Merchandise	Altronix AL IV2416 Power supply		
2	Merchandise	UPS Supply for camera system and DVRs to provide required battery backup		
1	Merchandise	Wire and cable for system installation		
1	Merchandise	Misc. hardware, connectors, etc for complete installation		
220	Labor-P	Labor-Prevailing Wage, Electrician, Barbour, Doddridge, Harrison, Lewis, Marion, Monongahela, Pendleton, Preston, Randolph, Taylor, Tucker and Upshur Counties Includes Base rate 27.71 +16.53 fringe		
		Subtotal Camera System		60,847.00

Thank You for allowing us to serve you!
God Bless America

TOTAL \$190,705.66

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from this estimate may become an extra charge. All agreements contingent upon strikes, accidents, or delays beyond our control.

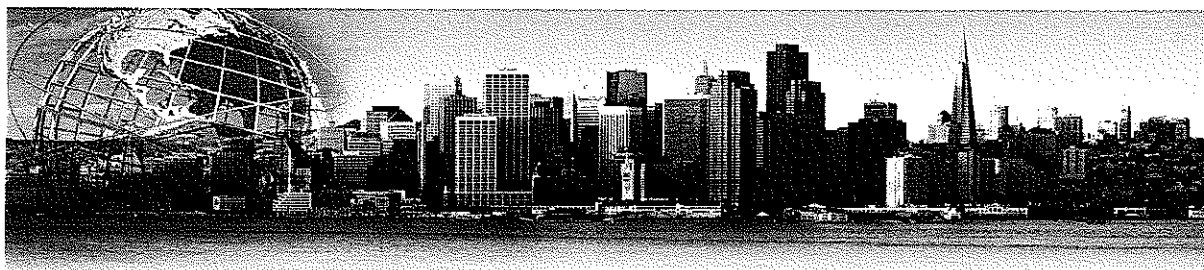
*Warranty: All equipment and installation is warranted for a period of one year from date of purchase. Additional warranties from manufacturers also apply.

*This estimate is valid for 60 days

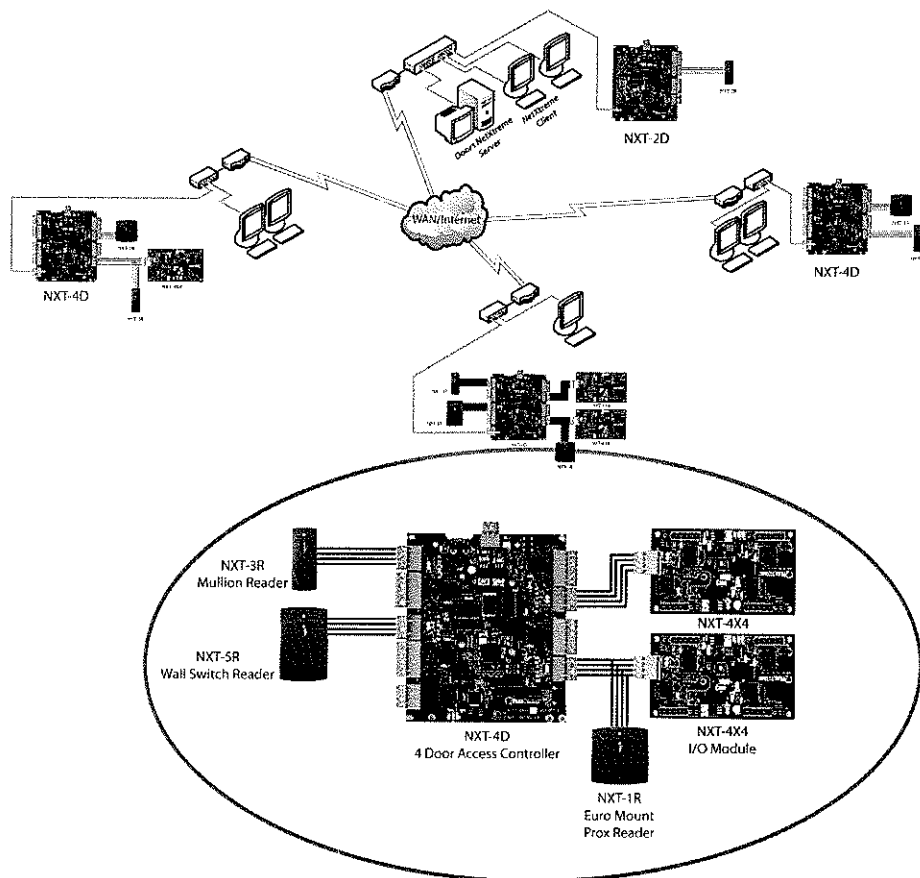
Page 2

*WV009698 Our Technicians are WV Licensed and Insured

*Unless noted this cost does not include sales tax, permit, or fees if applicable



Doors NetXtreme™ System Architecture Overview



Doors NetXtreme™ is Keri's newest access control platform providing unmatched system flexibility, ease of use, and cost effectiveness. Utilizing true peer-to-peer TCP/IP (Ethernet) communications for networking between controllers and software, the system has eliminated the single point of failure prevalent in many other access control systems. A new standard in security, NXT is first of a new generation of equipment to utilize encrypted data from Cards to Readers as well as reader supervision. Extremely intelligent controllers operate virtually autonomously minimizing network traffic and eliminating bandwidth concerns. Unmatched security does not come at a price however. Using the latest in electronic processing and networking technology, NXT is one of the most cost effective systems on the market.

Doors NetXtreme™ System Architecture Overview



2305 Bering Drive • San Jose, California 95131
408-435-8400 • Toll Free: 800-260-5265 • Fax: 408-577-1792

e-mail: sales@kerisys.com

web: www.kerisys.com

NetXtreme™

System Architecture Overview

Model Numbers and Descriptions

Software, Controllers, and Accessories

Doors NXT	Access Control Software "Doors NetXtreme"
NXT-4D	4 Door Access Controller
NXT-2D	2 Door Access Controller
NXT-4x4	I/O Module (4 Input / 4 Output)

Proximity Readers and Reader Accessories

NXT-1R	Euro Mount Prox Reader
NXT-3R	Doorframe/Mullion Reader
NXT-5R	Wall Switch Reader
NXT-RM3	Reader Interface Module

Proximity Cards and Tags

NXT-C	Clamshell
NXT-K	Key Tag

NXT-I	ISO no mag stripe
NXT-S	ISO with mag stripe

Product Description

System Architecture and Software – Doors NetXtreme

- Thin Client / Server Architecture
- SQL Compliant
- Convenience of a Browser without the security risks
- Setup system with auto configuration or manual entry
- Define "templates" for Doors, Inputs, and Outputs that can be replicated and reused
- Powerful user definable logical functions

Controllers

- 2 or 4 door versions
- TCP/IP on-board based for peer-to-peer communication and to host
- Multiple 485 networks for communication to expansion boards and readers
- Embedded MAC address for easy discovery and true 1 button auto configuration
- Flash updates

I/O Expansion Board

- 4 supervised inputs / 4 outputs
- Flash updates
- Networked via RS-485 to Controller
- Connected to Controller via RS-485 with a "heartbeat" so readers are supervised

Readers

- Connected to Controller via RS-485 with a "heartbeat" so readers are supervised
- Encrypted data from Cards to Readers to Controllers
- 128 bit encrypted format
- 1,000' (300 meters) cable distance to controllers

Reader Interface Module

- Flexible mounting options: plugs into either the main controller or the I/O Expansion board
- Converts either Keri MS format, Wiegand, or Mag Stripe to NXT encrypted format
- Mix and match reader types on any given controller



NetXtreme™

System Architecture Overview

Product Applications

Doors NetXtreme™

- Choose NetXtreme's Thin-Client/Server Software if you are truly concerned about your corporate security. Why would anyone use a browser application for access control? Under a browser interface, anyone with the master IP address and a password can access your system. Your security is dependent upon a client (a browser) which is the main target of most computer hackers, and one of the primary means of passing viruses between computers.
- In NetXtreme's Photo Badging applications, a separate Badging Client is provided to minimize the confusion of having a badge administrator learn how to navigate an Access Control system.
- The ultimate in portability! At a miniscule 15 Mb, the smallest "thumb drive" can easily carry the Doors NetXtreme Thin Client. Just take your client with you!
- Two means of system configuration:
 1. For small systems, NetXtreme's "Autoconfig" function finds all hardware and virtually eliminates data entry errors while minimizing system configuration time
 2. For large systems, NetXtreme's powerful hardware definitions allow the operator to pre-configure powerful user-definable, logical functions.

Controllers: NXT-2D™ and NXT-4D™ Two & Four Door Access Controllers

- The price of wire and labor continues to escalate. Place an NXT-2D near the door to eliminate long, expensive multi-conductor runs to the door for Readers, Locks, REX, Door Sense, and Alarm
- The NXT-4D allows for easy concentration of units within a rack-mountable enclosure, centrally located in an IT room, without a lot of Ethernet connections.
- Forget about pulling 2 or 4-wire (shielded) dedicated networks. Now your corporate network is your access control network! Cat-5 or Cat-6 cabling is fine and if you don't have a corporate network, then simply start a new one using the easy to run, inexpensive, and readily available cable.
- Minimize your set-up time on new systems or add-ons. NXT-2D and NXT-4D controllers support a one-button auto-configuration process with embedded MAC addresses. Quick-connect terminals provide the installer with true ease of installation. Troubleshooting becomes much simpler when controllers can be easily substituted and rotated in and out of position.
- Consider the power of remote site management. Wherever you can connect to your network, control over the access system is available. Multiple sites can be managed as one.
- Never worry about upgrades or obsolescence. NXT-2D and NXT-4D controllers are "flash" programmable and re-programmable. Upgrading will be fast and easy.



NetXtreme™

System Architecture Overview

Product Applications

I/O Expansion Board: NXT-4x4™

- You want to centralize your control, yet minimize the cost of expensive wiring? No problem. Put your controllers in a secure location and use Keri's secure 485 buss (4 conductors, power included) to allocate just the right amount of I/O wherever you want it, using the NXT-4x4 for general monitoring or output control.
- Minimize your cable run by putting local control right at the door even though your controllers are centrally located, because the NXT-4x4 communicates on the exact same 4-wire buss as the readers.
- Do you want to run Wiegand or MS readers up to 1,500 feet away from a controller? The NXT-4x4 can host a RM3 Reader Interface Module. Run your reader up to 500 feet away from the 4x4 and then, utilizing the communication buss, place the NXT-4x4 up to 1,000 feet away from the NXT-2D or NXT-4D, all on only 4 conductors including power.
- Bring Local Door Alarm (LDA) functionality into your access system by providing additional I/O placed directly at the door. This provides a logical interface between normal access control door functions and Intrusion System functions. Best of all, your LDA events are now reported through your access control system.

Reader Interface Module

- Retrofit virtually any existing access control job to Keri's NXT system using the RM3 which provides an interface to Wiegand or MS reader formats.
- Create a mixed-mode controller by adding one Wiegand reader to any buss, but keeping the enhanced security of Keri's NXT readers on the other busses, perfect for jobs where a single biometric reader or RF "clicker" is needed at only a single reader or gate.

Access Group Name			
Front Door	Back Door	Lab	Manufacturing
Selected	Selected	Selected	Selected
Timezone: Off	Timezone: Off	Timezone: Off	Timezone: Off
Action Group: C1-D1 Standard Access	Action Group: C1-D2 Standard Access	Action Group: C1-D3 Standard Access	Action Group: C1-D4 Standard Access

Readers

- There are a number of schemes available on the Internet that show someone how to easily defeat a Wiegand reader. How do I provide better security? The Keri-NXT family of readers sits on an RS-485 buss and uses encrypted data from cards to readers, creating a far more secure offering than traditional Wiegand offerings.
- Keri's NXT family of readers have built in supervision that is monitored through the software, providing immediate feedback if a reader is compromised.
- Plenty of jobs require readers to be located more than 500 feet away from the controller. Keri's NXT line of readers can be located up to 1,000 feet away, which is perfect for combined building/parking applications or tall elevator control runs.

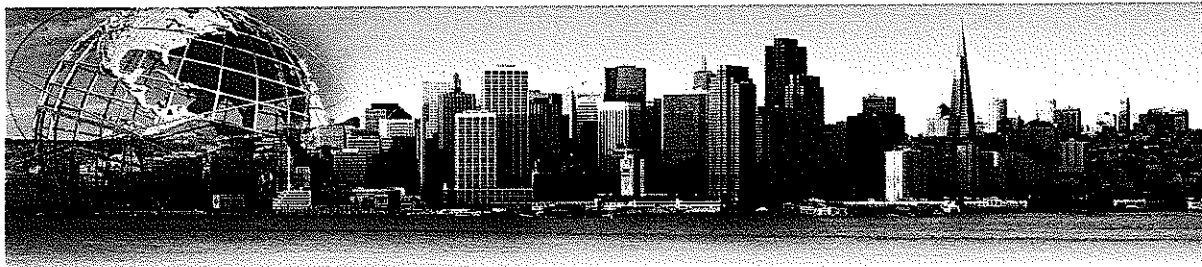
Reader			
Front Name	Back Door	Lab	Manufacturing
Selected	Selected	Selected	Selected
Timezone: Off	Timezone: Off	Timezone: Off	Timezone: Off
Action Group: C1-D1 Standard Access	Action Group: C1-D2 Standard Access	Action Group: C1-D3 Standard Access	Action Group: C1-D4 Standard Access

* http://www.channelinsider.com/article/2_Screws+1+Plastic+Cover+How+Many+Airports+Infiltrated/212907_1.aspx

Presented By:



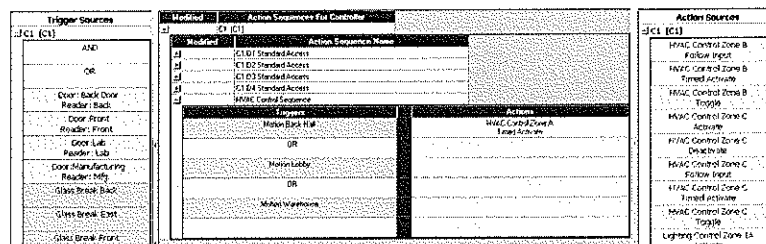
UNITED SOUND & ELECTRONICS
525 EAST MAIN STREET
BRIDGEPORT, WV 26330



Doors NetXtreme™ Access Control Software



- Software Application to manage Keri's new *NetXtreme* TCP/IP hardware platform
- Non-browser based for enhanced security
- Familiar *Doors*™ operation, but with an updated look and feel
- Thin Client/Server Architecture for easy software transportability
- Multiple Concurrent Operators across Multiple Concurrent Sites
- Royalty free, enterprise-level SQL Database
- Automatic or Manual Configuration of hardware
- True 1-button Auto Configuration and Automatic IP address assignment



Doors NetXtreme Access Control Software

Doors NetXtreme™ is Keri's newest access control software application, designed to manage the new *NetXtreme* Ethernet-based hardware platform. It offers all of the convenience of a browser-based application with none of the security risks associated with one. At a mere 15 megabytes in size, the Thin Client application can fit virtually anywhere. Updates are pushed automatically to the Clients when the Server is updated, eliminating the maintenance necessary on other applications.

Like its predecessor *Doors*™, the software is extremely easy to learn and operate, yet powerful enough to meet most applications. In addition to the sophisticated access control functionality it provides, *Doors NetXtreme* allows multiple Operators to manage and monitor an unlimited number of sites concurrently.



2305 Bering Drive • San Jose, California 95131
408-435-8400 • Toll Free: 800-260-5265 • Fax: 408-577-1792

e-mail: sales@kerisys.com

web: www.kerisys.com

Doors NetXtreme™ Access Control Software

- Unlimited Multiple Concurrent Sites
- Capable of communicating with thousands of doors
- Unlimited number of system operators
- Multiple cards/tags/PINs per user
- Multiple access groups per user
- 64 Time Zones with 4 Start and Stop intervals
- Localization of world regional Time Zones
- 6 Holiday schedules with 32 holidays each
- Future card activation and expiration down to the minute
- Minimal PC hardware requirements
- Compatible with
 - Vista Enterprise
 - Vista Ultimate
 - Vista Business
 - XP Pro
 - Windows 2003 Server

Holiday Lists

Holiday List Name			
- HOLIDAY 1			
Drag a column header here to group by that column			
Date	Recurring	Name	Auto Expire
5/28/2007	<input type="checkbox"/>	Memorial Day	<input type="checkbox"/>
7/4/2007	<input type="checkbox"/>	Independence Day	<input type="checkbox"/>
9/3/2007	<input type="checkbox"/>	Labor Day	<input type="checkbox"/>
11/22/2007	<input type="checkbox"/>	Thanksgiving	<input type="checkbox"/>
11/23/2007	<input type="checkbox"/>	Thanksgiving	<input type="checkbox"/>
12/24/2007	<input type="checkbox"/>	Christmas Eve	<input type="checkbox"/>
12/25/2007	<input type="checkbox"/>	Christmas Day	<input type="checkbox"/>
12/31/2007	<input type="checkbox"/>	New Years Eve	<input type="checkbox"/>
1/1/2008	<input type="checkbox"/>	New Years Day	<input type="checkbox"/>
+ HOLIDAY 2			
+ HOLIDAY 3			
+ HOLIDAY 4			
+ HOLIDAY 5			
+ HOLIDAY 6			

Access Groups

Access Group Name			
+ Total Access			
Front Name Selected: <input type="checkbox"/>	Back Door Selected: <input type="checkbox"/>	Lab Selected: <input type="checkbox"/>	Manufacturing Selected: <input type="checkbox"/>
Timezone: Always	Timezone: Always	Timezone: Always	Timezone: Always
Action Seq: C1.D1 Standard Access	Action Seq: C1.D2 Standard Access	Action Seq: C1.D3 Standard Access	Action Seq: C1.D4 Standard Access
+ Never			
Front Name Selected: <input type="checkbox"/>	Back Door Selected: <input type="checkbox"/>	Lab Selected: <input type="checkbox"/>	Manufacturing Selected: <input type="checkbox"/>
Timezone: Never	Timezone: Never	Timezone: Never	Timezone: Never
Action Seq: No Access	Action Seq: No Access	Action Seq: No Access	Action Seq: No Access
+ Manufacturing			
Front Name Selected: <input type="checkbox"/>	Back Door Selected: <input type="checkbox"/>	Lab Selected: <input type="checkbox"/>	Manufacturing Selected: <input type="checkbox"/>
Timezone: 8 to 5 Week Day	Timezone: 8 to 5 Week Day	Timezone: Never	Timezone: 8 to 5 Week Day
Action Seq: C1.D1 Standard Access	Action Seq: C1.D2 Standard Access	Action Seq: C1.D3 Standard Access	Action Seq: C1.D4 Standard Access

System Users

System Users									
Flow	Modified	Last	First	Middle	Active	Credential Number	Format	CREDENTIALS	On /
1		Washington	George		<input type="checkbox"/>	2 Keri NCT			
2					<input type="checkbox"/>	14 Keri NCT			
3		Lincoln	Abn		<input type="checkbox"/>	3 Keri NCT			
4					<input type="checkbox"/>	13 Keri NCT			
5		Adams	John		<input type="checkbox"/>	4 Keri NCT			
6		Polk	James		<input type="checkbox"/>	5 Keri NCT			
7		Jackson	Andrew		<input type="checkbox"/>	6 Keri NCT			
8		Roosevelt	Theodore		<input type="checkbox"/>	7 Keri NCT			
9		Roosevelt	Franklin		<input type="checkbox"/>	8 Keri NCT			
10					<input type="checkbox"/>	15 Keri NCT			
11		Jefferson	Thomas		<input type="checkbox"/>	9 Keri NCT			
12					<input type="checkbox"/>	17 Keri NCT			
13		Madison	James		<input type="checkbox"/>	10 Keri NCT			
14					<input type="checkbox"/>	16 Keri NCT			
15		Monroe	James		<input type="checkbox"/>	11 Keri NCT			
16		Tyler	Zachary		<input type="checkbox"/>	12 Keri NCT			
17		Kennedy	John		<input type="checkbox"/>	1 Keri NCT			

Presented By:

UNITED SOUND & ELECTRONICS
525 EAST MAIN STREET
BRIDGEPORT, WV 26330





Exit Check® Integrated Delayed Egress Locks

Exit Check® Delayed Egress Lock

Proprietary Features:

- Field selectable voice & tone or tone only
- Field selectable male voice with security warning and countdown or female voice with safety message and countdown
- Digital countdown display
- Selectable 15 or 30 second exit delay
- Custom exit delay time and voice notification available in English or Spanish or alternating English and Spanish (optional)
- Voice and digital display provides information of door operation for people without prior knowledge, including the blind and hearing impaired

SDC PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 SECONDS.



15

Application

Airport & Public Facility Security & Safety
Control pedestrian traffic in government and public facilities and transportation facilities including airport jetways and tarmacs

Loss Prevention

Provide theft protection of merchandise technology and other valuables such as art and museum artifacts

Patient and Infant Protection

Restrict the egress of psychiatric and drug rehab patients, elderly patients in assisted living facilities and restrict the movement of nursery infants for their own safety and security.

Typically used on exit doors, when unauthorized egress is initiated, SDC Exit Check® delays egress through the door for 15 or 30 seconds. Meanwhile the person exiting must wait while personnel or security respond. The door unlocks after 15 seconds have elapsed, permitting egress. A signal from the fire life safety system will release the lock for uninhibited egress in an emergency 30 second delay available where approved

Code Compliance

Exit Check® models comply with today's building and fire life safety codes
See page 4

IBC, International Building Code
1008 1 8 6 Delayed Egress Locks

IFC, International Fire Code
1008 1 8 6 Delayed Egress Locks

NFPA 101, Life Safety Code
7-2 1 6.1 Delayed Egress Lock

CBC, California Building Code
1003 3 1 10 Special Egress Control Devices

BOCA, National Building Code
1017 4 1 2 Special Locking Arrangements

Chicago Building Code
10 (13-160-269) Electro-Magnetic Locking Devices Certificate of approval available

Patient Tracking Systems

The SDC Exit Check® is compatible with patient tracking systems, like those used for protection against infant abduction from hospital nurseries and for the protection of patients in long term care facilities who may be endangered if they leave their care facility without supervision

Access Control

Access controls may be utilized for authorized egress or access. Access from the exterior of latching doors requires an additional means of mechanical lock release such as a mechanical key or electric strike

Local Approval

All installations must be approved by the Authority Having Jurisdiction (AHJ)

Facility Applications

- Airports
- Convention Halls
- Wholesale Stores
- Retail Stores
- Long Term Care
- Drug Rehab
- Psychiatric Care
- Infant Nurseries
- Museums
- Art Galleries
- Warehouses
- Technology Facility



FWAX Special Locking Arrangements
GWXT Auxiliary Locks



UL10C Positive Pressure Compliant
UBC Classified in accordance with Uniform Building Code standard 7-2 "Fire Test for Door Assemblies"



MADE IN THE USA



3774-0324:103
California State
Fire Marshall Listed



ANSI/BHMA A156.24
Grade 1
American National Standard
for Delayed Egress Locks

Protected by one or more of the following U.S. Patents:
5 429 399 4 609 910

SECURITY DOOR CONTROLS

www.SDCsecurity.com Email: service@SDCsecurity.com

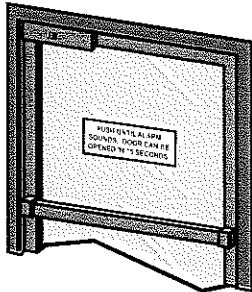


ISO 9001:2000
FM 52705

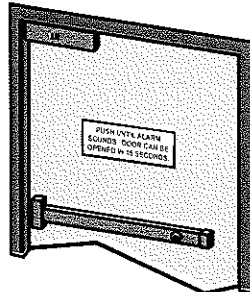
Single Model

For use with single doors equipped with:

- Mortise or rim mount exit devices
- Surface or concealed vertical rod exit devices with surface or concealed strikes and triggers
- Mortise or cylindrical locksets



1511S



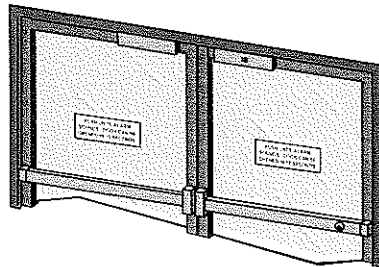
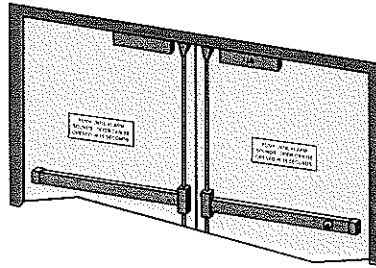
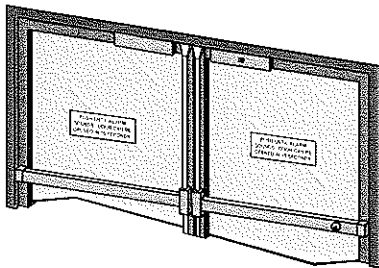
Tandem Model

Activating either door unlocks both doors
For use with pairs of doors equipped with:

- Mortise or rim mount exit devices
- Surface or concealed vertical rod exit devices with surface or concealed strikes and triggers
- Mortise or cylindrical locksets



1511T



Code Compliant Door Sign

PUSH UNTIL ALARM
SOUNDS. DOOR CAN BE
OPENED IN 15 SECONDS.

Annunciation

The Exit Check® 1511S series incorporates an **alternating 75 db tone and verbal message** with a **digital countdown display** and sign that provides clear and comprehensive instructions for persons without prior knowledge of door operation. This is especially significant for those who are **blind or hearing impaired**.

Features

- Digital countdown display
- Selectable 15 or 30 second exit delay may be permanently field fixed
- Field selectable voice notification or tone 75db @ 3 feet
- Field selectable male voice with security message or female voice with safety message
- Field selectable door movement trigger only, external device trigger only or activation by either door movement or external device trigger
- Field selectable nuisance delay
- Field selectable automatic or manual power up after emergency release or power loss. Use of manual power-up complies with Uniform Building Code and California Building Code (OSHPD) requirements
- Integrated key switch for alarm reset, power up, sustained bypass and timed bypass adjustable for 1 15 20 or 30 seconds
- Anti-tailgate feature
- Single or multi-door zone control and reset capability

Control Inputs

- Remote access control and REX input field adjustable for 1 15, 20 or 30 seconds
- External reset input
- Emergency release input

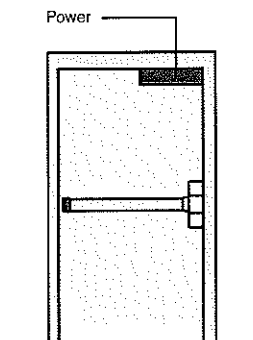
Monitoring Outputs

- Door secure and unlocked output
- Delayed egress activation alarm output

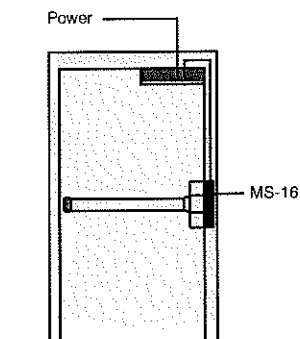
Options

- Custom message language or shortened exit delay times
- Energy Saver: 1200lb holding force 400/275mA @ 12/24VDC
- Magnetic Bond Sensor output
- Door Status Sensor output
- Anti-tamper sensor output

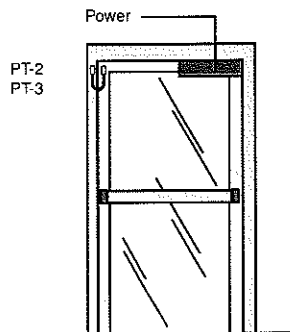
Component Considerations



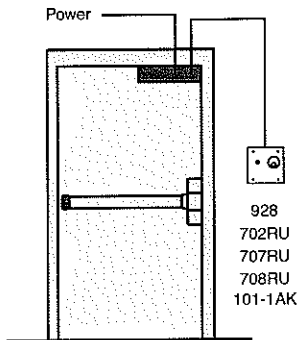
Door Movement Trigger by Latching Exit Device
Rim Mount Mortise or Vertical Rod



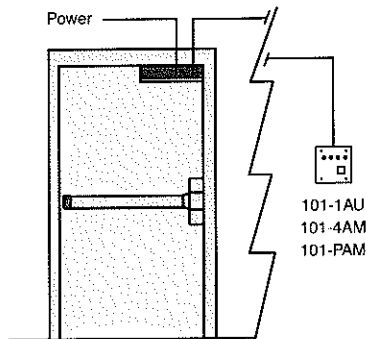
Latch Monitoring Strike Trigger
For Mortise Exit Devices or Lock



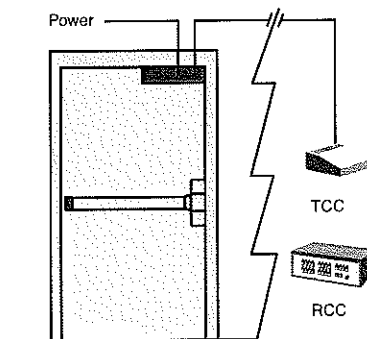
Sense Bar Trigger Non-Latching
PSB560 MSB550



Optional Wall Mount Key Reset
(Built-In Key Reset Standard)



Remote Wall Mount Annunciator



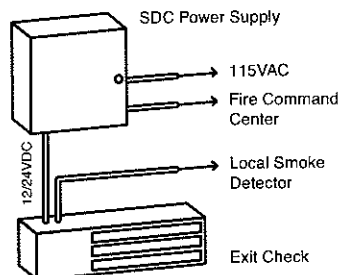
Remote Desktop Annunciator
and Control Panel

Emergency Release Modes

Dual Emergency Release

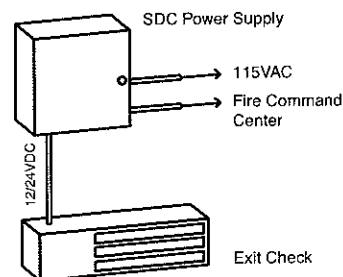
SDC 600 Series Power Supply and Integrated Lock Emergency Release

- Field Selectable Lock Auto Reset or Lock Manual Key Reset
- Field Selectable Power Supply Output
- Automatic reset standard see *MR option for manual reset



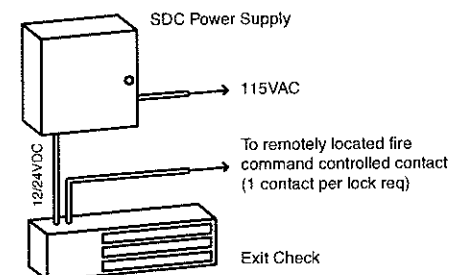
SDC 600 Series Power Supply Emergency Release

- Field Selectable Lock Auto Reset or Lock Manual Key Reset
- Field Selectable Power Supply Output
- Automatic reset standard, see *MR option for manual reset



Integrated Lock Emergency Release

- Field Selectable Lock Auto Reset or Lock Manual Key Reset
- Field Selectable Power Supply Output
- Automatic reset standard see *MR option for manual reset



*Emergency Release Manual Reset
Not Available with 631RF Power Supply

Station Controls and Annunciators

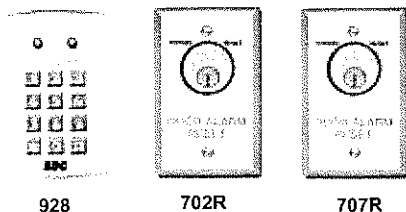
While the Exit Check® is equipped with a standard built-in key switch for reset and bypass functions wall mounted stations provide for convenient alarm reset sustained bypass or timed bypass

Remote annunciators provide quick identification of activated openings, enabling security or care personnel to respond rapidly. Annunciators are equipped with an audible alarm and each station is identified by one tri-color LED that identifies specific mode status

Secure -Green

Activation - Amber x Audible Tone

Unlocked - Red x Audible Tone



928

702R

707R

928 Keypad (see page 3)

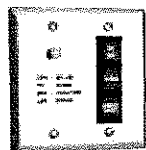
702R Alarm Reset Key Switch

707R Two Function Key Switch
Alarm Reset and Sustained Bypass



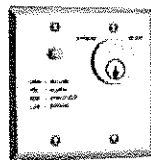
101-1A

The single station annunciator is equipped with a tri-color LED and audible alarm.



101-PAM

Visual and audible annunciation, timed access sustained bypass and audible mute



101-AK

Visual and audible annunciation and a two function key switch for alarm reset and sustained bypass



101-4AM

Provides visual and audible annunciation with audible mute for two, three or four openings

Consoles, Desktop and Rack Mount

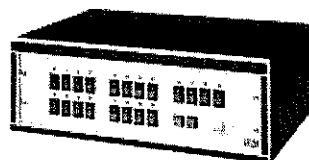
SDC control and annunciator panels provide remote annunciation of multiple openings. Stations are specified in sets of four. Control switches are also available and capable of providing both sustained bypass and timed unlocking of individual doors. Consult the factory or refer to SDC control console datasheets for additional specifications



TCC Desk Top
Stations: 4, 8 & 12



RCC
Rack Mount Stations:
4 - 20

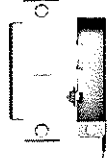


CAB Desk Top Cabinet

CAB7: Accommodates 1 RCC
CAB12: Accommodates 2 RCC

Latch Strikes Trigger

MS-16 For mortise latch reversible



- Fits 4 875" Strike (provided by others)
- Gap & alignment adj
- SPDT 5 Amps @ 30VDC

Power Transfer Loops



PT-2U Stainless Steel
PT-3V Aluminum termination box

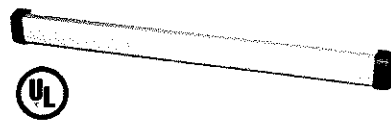
PTH Power Transfer Hinge

PTH-4Q Four wires:



- 1 pair-1 Amp; 1 pair-250mA
- 4 5x4 5 five knuckle standard weight
- Dull Chrome

Sure Exit Request-to-Exit



The Sure Exit is a non-latching, heavy duty request-to-exit push bar that will activate the Exit Check® when slight pressure is applied to the bar.

Model

PSB560V Aluminum Anodized

PSB560Y Black Anodized

Stainless steel and brass optional 36" is standard. For wider doors specify 42" or 48". May be field cut.

Specifications

Voltage Input: 12/24VDC

Current Input: 20 mA at rest 115 mA active

Output:

Two SPDT Dry 3 Amp @ 28VDC

Operating Temperature: 0° - 150° F

Exit Device Switch Kits

Switch kits are field installed in the inactive hinge pad of rim mount exit devices, mortise exit devices, concealed vertical rod exit devices and surface vertical rod exit devices.



MODEL MAKE & MODEL TO BE MODIFIED

510	Von Duprin 33 35, 98 99
510-2	Von Duprin 33, 35 98 99 DPDT
511	Von Duprin 55
512	Von Duprin 88
514	Dor-O-Matic 990, 1090 1990 2090
516	Sargent 9600, 9700, 9800, 9900
517	Adams Rite 8300, 8400 8700 8800
518	Precision Apex Series 1100
518A	Precision Apex Series 2100 - 2800
519	Jackson 1095
519-2	Jackson 1095 DPDT
521	Corbin 7000
525	Monarch 18 and 19
527	Sargent 80
527-2	Sargent 80 DPDT
528	Sargent 20/60
531	Yale 7000 (Dogging mechanism required)
535	Kawneer Mid Panel Line Dor-O-Matic 1390
540	Arrow 53/5400 series
542	Hager 4700
590	Dor-o-Matic 1690

Self Adjusting Door Movement Sensor

The built-in door movement sensor may only be used with doors equipped with a latch assembly such as a mechanical lockset or exit device

The mechanical latch mechanism must be locked on the exterior and unlocked on the interior. From the inside, retracting the door latch and applying pressure causes limited door movement. The built-in activation trigger senses the door movement and initiates delayed egress operation. The self adjusting sensor helps prevent false triggering.

External Device Trigger Input

Activation For Non-Latching Doors

The external activation trigger input must be used with doors without latch assemblies, such as latchless glass and herculite doors.

Activation may be triggered by the SDC MSB550 Switch Bar or the SDC Sure Exit® request-to-exit push bar. A power transfer device is required. Pushing on the request-to-exit push bar immediately activates the delayed egress operation.

Activation For Latching Doors

Where preferred, activation may be accomplished by a latch monitoring strike or a switch installed in a standard latching exit device or lockset. A power transfer device is required for exit devices equipped with a trigger switch.

See SDC datasheets for detailed information on SDC MS Series Latch Monitoring Strikes, Exit Device Switch Kits and Power Transfer Devices.

Automatic or Manual Power-up

Field selectable method of lock power-up, automatic or manual, after power loss or emergency release.

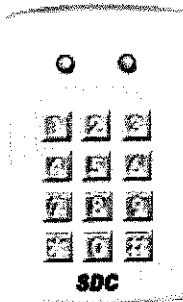
Auto Power-Up

When selected, regardless of the means of deactivation, relocking of the Exit Check® occurs when power is restored and/or the fire life safety panel is reset.

Manual Power-Up UBC, California Building Code (OSHPD) Compliant Reset

When selected, regardless of the means of deactivation, relocking of the Exit Check® is by manual means only at the door. Only after power restoration and/or fire life safety panel reset, the door may be relocked by actuating the standard built-in key reset or optional wall mounted key switch, push switch or digital keypad located adjacent to the door.

Keyless Control (optional)



928 Entry Check Digital Keypad

While the Exit Check® is equipped with a standard built-in 4 function key switch for reset, manual power up, momentary bypass and sustained bypass functions, the SDC 928 wall mounted keypad provides the convenience of keyless operation for:

- Alarm Reset
- Manual Power-Up (UBC & California required)
- Momentary or Sustained Bypass

Electrical Specifications

Input Voltage: Dual voltage Sensing
12/24 VDC \pm 10%

Standard 1650lbs Holding Force

1511S 830mA @ 12VDC
450mA @ 24VDC
1511T 1500mA @ 12VDC
850mA @ 24VDC

Energy Saver 1200lbs Holding Force

1511S 400mA @ 12VDC
(E option) 275mA @ 24VDC
1511T 650mA @ 12VDC
(E option) 400mA @ 24VDC

Inputs

Request to Exit: Normally open, dry

Fire Alarm Release: Alarm panel closed, dry contact. Opening of contact releases lock.

Monitoring Outputs

Alarm Output:
SPDT Dry, 1 Amp @ 30VDC

Lock Secure Unlocked Output:
SPDT Dry, 1 Amp @ 30VDC

DPS Door Position Status: (optional)
SPDT Dry, 250 mA @ 30VDC

BAS Magnetic Bond Status: (optional)
SPDT Dry, 250 mA @ 30VDC

ATS Anti Tamper Sensor: (optional)
SPDT Dry, 1 Amp @ 30VDC

Mechanical Specifications

BHMA Certified ANSI Grade 1 Holding Force

- 1650lbs 1511S
- 1200lbs 1511S Energy Saver

Single: 11"L x 2.75"H x 2.625"D
(279 x 70 x 67mm)

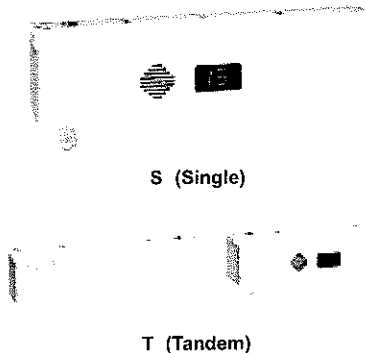
Tandem:
Master: 11"L x 2.75"H x 2.625"D
(279 x 70 x 67mm)

Slave: 11"L x 2.75"H x 2.625"D
(279 x 70 x 67mm)

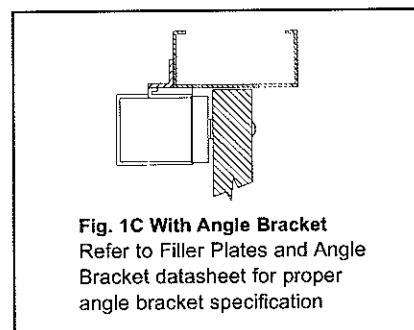
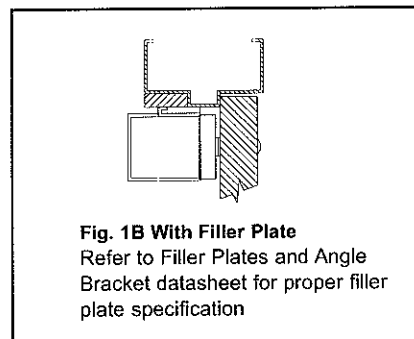
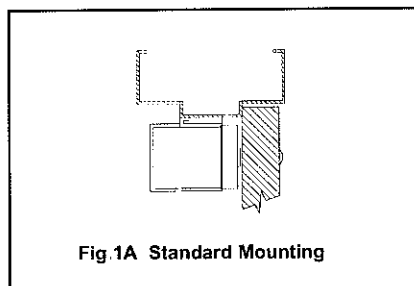
Armature: 7.375"L x 2.375"H x 0.5625"D
(187 x 60 x 14mm)

Single or Tandem

Models are available to accommodate single and pairs of doors. See page 2 for proper application.



Mounting Detail



Code Compliance

- ▶ NFPA 101
- ▶ UBC
- ▶ IBC
- ▶ California Building Code (OSHPD)
- ▶ NFPA 1-UFC
- ▶ SBC
- ▶ IFC

Standard Models

- 1511S NA K V Single
- 1511T NA K V Tandem

Operation

NA - Operation

- 1) When the door is closed, latched, and the lock is energized "15" is displayed indicating the door is secure
- 2) Applying less than 15 lbs of pressure and releasing the door latch sounds the nuisance timer, intermittent alarm tone and the digital display count down. If egress is terminated before the nuisance time setting (1 or 2 seconds) has elapsed, the door stays locked, the alarm tone stops and the digital display resets to "15".
- 3) When activation exceeds the nuisance time (1 or 2 seconds) an irreversible process begins that will unlock the door in 15 seconds (i.e. 2 + 13). The digital display continues to countdown and the alarm tone and verbal instructions alternate.

MALE VOICE WITH SECURITY MESSAGE

- Tone....."Exit in twelve seconds, Security has been alerted"
- Tone....."Exit in five seconds"
- Tone....."Exit now", Tone....."Exit now"

FEMALE VOICE WITH SAFETY MESSAGE

- Tone....."Exit in twelve seconds, Facility Staff has been alerted"
- Tone....."Exit in five seconds"
- Tone....."Exit now", Tone....."Exit now"

TONE ONLY (In Lieu of Message)

Activation: Short beeps
Lock Release: Long beeps

- 4) The door unlocks when 15 seconds has elapsed (i.e. 2 + 13) and the digital display indicates "00". The alarm tone and verbal instructions continue to alternate.
- 5) The lock must be manually reset.

- K Built-in key switch provides, reset sustained and timed bypass
- V Clear anodized aluminum finish

Code Compliance

- ▶ BOCA, National Building Code
- ▶ Chicago Building Code

Standard Models

- 1511S BD K V Single
- 1511T BD K V Tandem

Operation

BD Operation

- 1) When the door is closed, latched and the lock is energized "15" is displayed indicating the door is secure
- 2) Applying less than 15lbs of pressure and retracting the door latch sounds an activation warning tone. If the door is released in less than 1 second the warning tone stops and the door stays locked.
- 3) When activation exceeds 1 second, an irreversible process begins that will unlock the door in 14 seconds. The digital display counts down and the alarm tone and verbal instructions alternate alerting personnel.

MALE VOICE WITH SECURITY MESSAGE

- Tone....."Exit in twelve seconds, Security has been alerted"
- Tone....."Exit in five seconds"
- Tone....."Exit now", Tone....."Exit now"

FEMALE VOICE WITH SAFETY MESSAGE

- Tone....."Exit in twelve seconds, Facility Staff has been alerted"
- Tone....."Exit in five seconds"
- Tone....."Exit now", Tone....."Exit now"

TONE ONLY (In Lieu of Message)

Activation: Short beeps
Lock Release: Long beeps

- 4) The door unlocks when 15 seconds (1 + 14) has elapsed and the digital display indicates "00". The alarm tone and verbal instructions continue to alternate.
- 5) The door must be opened and then closed for 30 seconds before it automatically re-locks and annunciation stops. Any reopening of the door before the end of the 30 second re-locking cycle will restart the 30 second re-locking cycle.

- K Built-in key switch provides sustained and timed bypass. Reset is automatic. Manual reset not available.
- V Clear anodized aluminum finish

Ordering Information

Model

1511S Single
1511T Tandem

Operation Mode

- NA ▶ NFPA 101 ▶ NFPA 1-UFC
▶ UBC ▶ SBC
▶ IBC ▶ IFC
▶ California Building Code (OSHPD)
- Selectable 15 or 30 second exit delay may be permanently field fixed
 - 1 or 2 second nuisance delay
 - Manual reset
- ND California Building Code, OSHPD, NFPA, IBC & IFC Compliant
15 second fixed exit delay, 2 second nuisance delay. Field selectable manual power up after emergency release for California and OSHPD compliance
- BD ▶ BOCA, National Building Code
▶ Chicago Building Code
- 15 second fixed exit delay
 - 1 second nuisance delay
 - Auto reset 30 secs after door closure*
 - *45 seconds when AHJ approved

Built in Reset and Control

- K Built in key switch. Provides 1-30 second timed bypass sustained bypass and alarm reset (*standard*) Built in reset not available with BOCA and Chicago (BD) operation
- P Built in reset push switch Available with NFPA (NA) only
- L Less key or push switch

Finish

Anodized Finishes

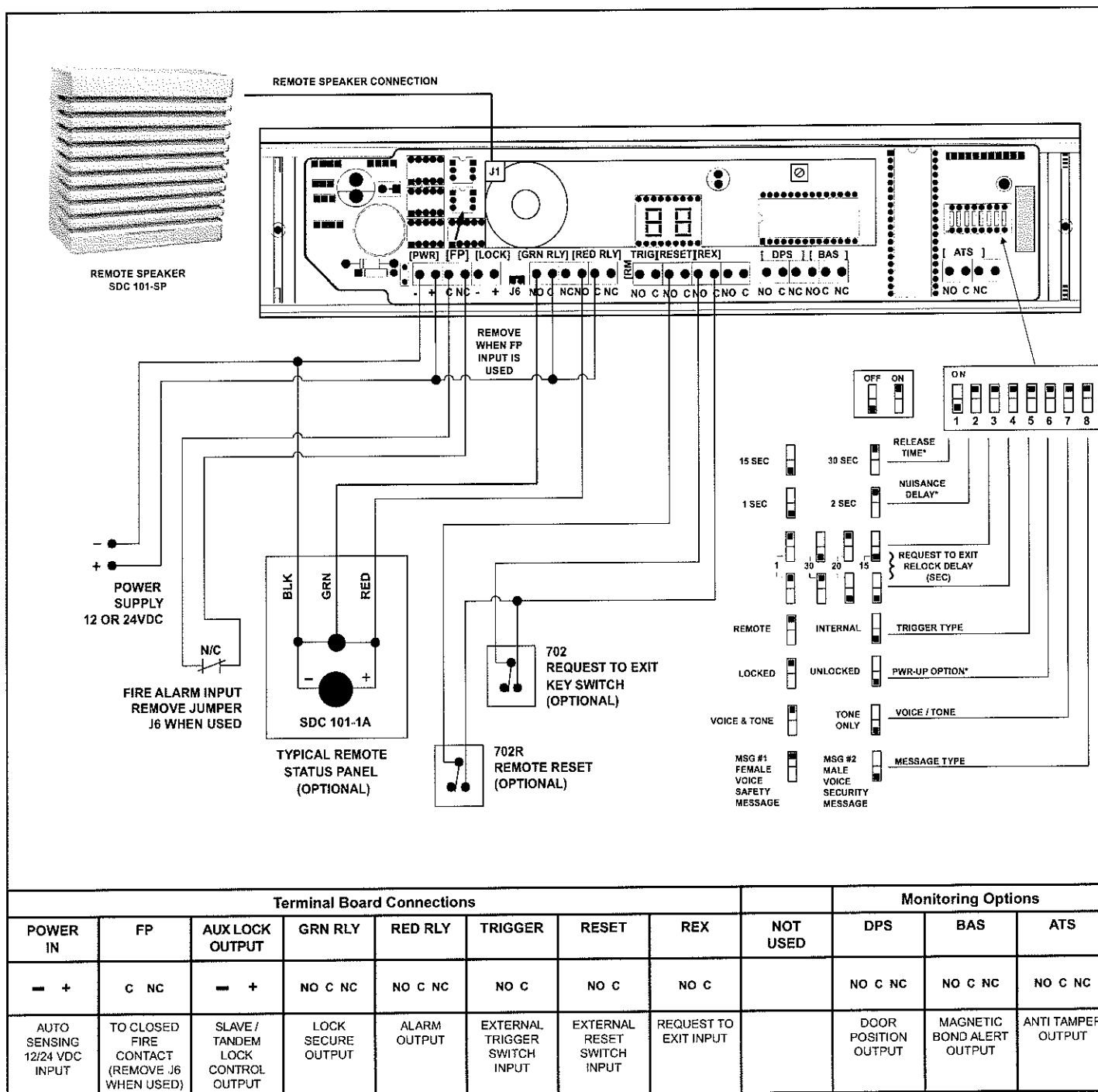
V 628 Aluminum (*standard*)
X 313 Dark Bronze
Y 335 Black

Special Plated Finishes

C 605 Bright Brass
D 606 Dull Brass
P 625 Bright Chrome
Q 626 Dull Chrome

Options

- E **Energy Saver**
1200 lbs holding force, low power consumption only 275mA @ 24VDC See page 3 for full electrical specifications
- D **Door Position Status**
Provides remote monitoring of the door open or closed status and indicates the door has actually been opened for egress after alarm activation (*Specify 2 for tandem*)
- B **Magnetic Bond Alert Sensor**
Indicates locked with full holding power or unlocked, reduced holding power, tampering or foreign material between the electromagnet and armature.
(*Specify 2 for tandem*)
- A **Anti-tamper Switch**
Detects attempt to remove the access cover (*Specify 2 for tandem*)
- VI **One Language or Bilingual**
Spanish, or English and Spanish verbal notification
- VIC **Custom Verbal Announcement**
(10 piece purchase minimum) POA
- 101-SP **External 15 Watt Speaker**
Connects directly to 1511S or 1511T for enhanced decibels of onsite or remote voice message annunciation. Speaker driver may be provided by others for extreme decibel requirements

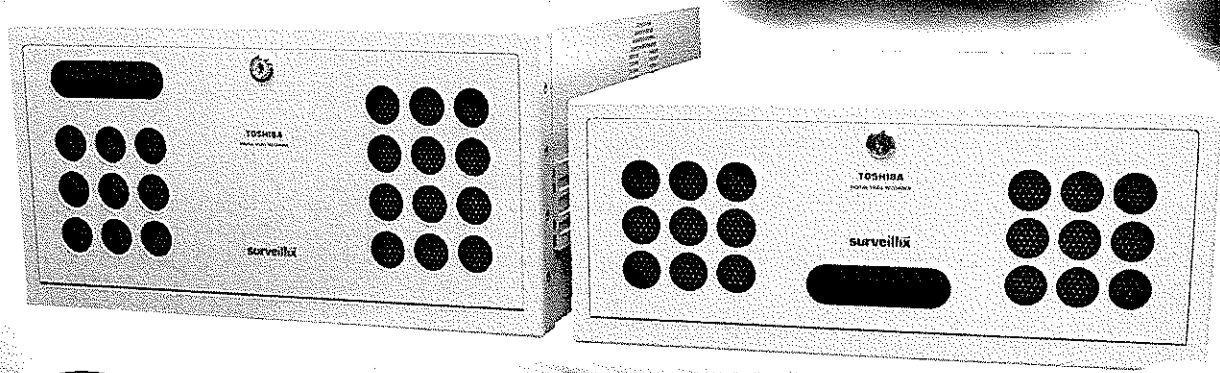


TOSHIBA

Leading Innovation >>>

HVR Series

Hybrid Video Recorder



IP CAMERA

+



ANALOG CAMERA



REMOVABLE HARD DRIVES

UP TO
16 IP BASED
CAMERAS

UP TO
32 ANALOG
CAMERAS

The HVR Series
offers up to 480 FPS
recording speeds!

ANALOG AND NETWORK CAMERA RECORDING

- Record up to 16 network based cameras per HVR
- Available in both the 4U and the 7U rack mount chassis for optimal storage capacity
- Available cost-effective internal RAID capability
- 60, 120, 240, 480 FPS modes available (up to 480 FPS per camera using analog input)
- Recording resolutions as high as 720p (480 FPS) for analog cameras and much higher resolutions with network cameras
- Multi-Site SCS software: The SCS software can manage 100+ Surveillance Sites. SCS software can be configured to search, export, email, upload and monitor alarms. Supports multiple cameras for advanced monitoring
- Support for major network protocols including Toshiba, Sony, Panasonic, AXIS, Sami, Genetec, VOTI, Arecont, etc. for ease of integration
- Record up to 10 channels of audio
- Complete remote access capabilities for live viewing, administration, and playback. Includes powerful search capabilities

HVR Series

Hybrid Video Recorder

Part Number

Video Format

Analog Resolutions

(240/480 pps models)

Video Input

Video Output

Recording Rate

Audio Recording

(Optional 16 Channel Available)

Sensor/Alarm Inputs

Alarm Outputs

PTZ Controls

Image Compression

Storage Media

LAN

Average Image Size

Critical Recording Archive

(Up to 32 channels looping outputs on analog cameras)

Password Control

Power Interruption Recovery

Remote Connection

Power Input

Operating System

HVR

NTSC / PAL

720x480 (NTSC)	720x576 (PAL)
720x240 (NTSC)	720x288 (PAL)
360x240 (NTSC)	360x288 (PAL)

BNC x 8 16

BNC x 8 16 SVGA x 1 (Monitor Not Included)

480 PPS DVR	120 PPS DVR
480 PPS 360x240 (NTSC)	120 PPS 320x240 (NTSC)
240 PPS 720x240 (NTSC)	60 PPS 640x240 (NTSC)
120 PPS 720x480 (NTSC)	30 PPS 640x480 (NTSC)

240 PPS DVR	60 PPS DVR
240 PPS 360x240 (NTSC)	60 PPS 320x240 (NTSC)
120 PPS 720x240 (NTSC)	30 PPS 640x240 (NTSC)
60 PPS 720x480 (NTSC)	30 PPS 640x480 (NTSC)

480 PPS 16ch	240 PPS 16ch	120 PPS 16ch	60 PPS 8ch
4	4	2	2
yes	yes	yes	yes
8	8	8	8
8	8	8	8

Internal RS-422 (over 75 protocols)

Proprietary MJPEG

Up to 8 Terabytes Internally (RAID 5**)

10/100 Fast Ethernet (1000**)

720x480 16K

720x240 8K

360x240 4K

DVD Multi Burner

LAN Internet (TCP/IP)

User Defined Access Level

Automatic Restart after Power Interruption/Recording Operation Resumes

TCP/IP, UDP Internet LAN, WAN, ISDN PSTN

AC 100~240 V Input (50 Hz/60 Hz)

Microsoft® Windows® XP Embedded

SVGA Monitor is required for set-up and maintenance.
Specifications subject to change without notice.
Optional Component

The Toshiba Surveillix® HVR series combines the best of analog and digital video into one unit

With available Internal RAID 5 HDD capabilities and field replaceable Hard Disk Drives the HVR series is designed to support network based cameras as well as analog cameras. Capable of recording at speeds of up to 480 pictures per second the HVR offers unmatched versatility

Each system includes a built-in RS-422 adapter supporting over 75 protocols as well as digital signature verification for tamper detection of exported video

MAIN FEATURES

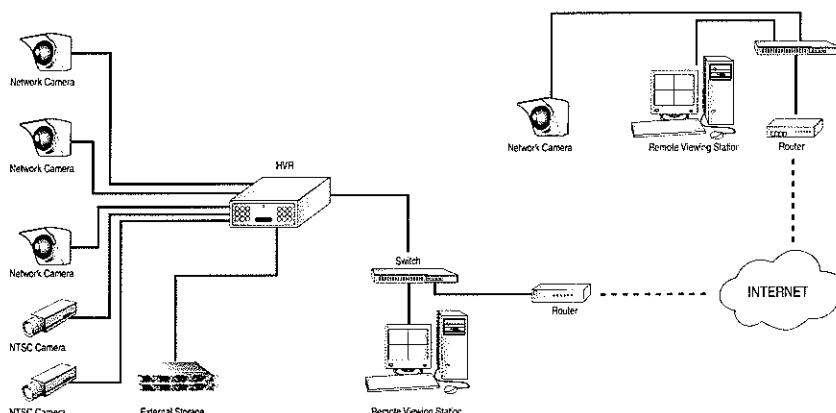
- Support for major network video device manufacturers including Toshiba, Sony, Panasonic, AXIS, SecurGen, Lumenera, ACTi, Arecont Vision, Lumenera and Vantage
- Field Upgradeable Replaceable HDD Array
- Large Storage Capacities (over 8 TB)
- Designed for Internal RAID 5 RAID 5 offers Data Redundancy and Protection
- Removable HDD Bays for Quick Easy Maintenance
- 2 Way Audio (Remote ↔ Server)
- PAN / TILT / ZOOM Controls (over 75 protocols supported)
- Simultaneous Search Playback and Backup
- Up to 16 Channels of Audio
- Multiple Levels of Security Access
- Output the Video to an NTSC/PAL Display
- Up to 32 Looping Outputs
- Advanced POS and ATM Support
- Continuous Motion Detection and Alarm Recording Modes
- Video Signal Loss Detection
- Up to 720x480 / 720x240 / 360x240 NTSC Recording Resolutions

** New cameras are added frequently. Please visit www.toshibasecurity.com for an updated list of supported cameras

PART NUMBERS

IP Cameras	Chassis	Storage	Internal RAID 5	Redundant Power Supply
8 Channel (60 PPS)				
• HVR8-60-250	4	4U 250 GB	N/A	N/A
• HVR8-60-500	4	4U 500 GB	N/A	N/A
• HVR8-60-1000	4	4U 1000 GB	OPTIONAL	N/A
• HVR8-60-1500	4	4U 1500 GB	OPTIONAL	N/A
• HVR8-60-2000	4	4U 2000 GB	OPTIONAL	N/A
16 Channel (120 PPS)				
• HVR16-120-500	4	4U 500 GB	N/A	N/A
• HVR16-120-1000	4	4U 1000 GB	OPTIONAL	N/A
• HVR16-120-2000	4	4U 2000 GB	OPTIONAL	N/A
16 Channel (240 PPS)				
• HVR16-240-1000	16	4U 1000 GB	OPTIONAL	N/A
• HVR16-240-2000	16	4U 2000 GB	OPTIONAL	OPTIONAL
• HVR16-240-2000	16	5U 2000 GB	OPTIONAL	N/A
• HVR16-240-4000	16	5U 4000 GB	OPTIONAL	OPTIONAL
16 Channel (480 PPS)				
• HVR16-480-1000	16	4U 1000 GB	OPTIONAL	N/A
• HVR16-480-2000	16	4U 2000 GB	OPTIONAL	N/A
• HVR16-480-2000	16	5U 2000 GB	OPTIONAL	N/A
• HVR16-480-4000	16	5U 4000 GB	OPTIONAL	N/A
32 Channel (240 PPS)				
• HVR32-240-2000	16	5U 2000 GB	OPTIONAL	OPTIONAL
• HVR32-240-4000	16	5U 4000 GB	OPTIONAL	OPTIONAL
32 Channel (480 PPS)				
• HVR32-480-2000	16	5U 2000 GB	OPTIONAL	OPTIONAL
• HVR32-480-4000	16	5U 4000 GB	OPTIONAL	OPTIONAL

Sample HVR Configuration





TOSHIBA WORLDWIDE

TOSHIBA AMERICA

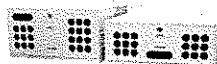
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HVR Series

Hybrid Digital Video Recorder

The Toshiba Surveillance HVR Series combines the best of analog and digital video into one unit. With available internal RAID 5 HDD capabilities and field replaceable Hard Disk Drives, the HVR series is designed to support network based cameras as well as analog cameras. Capable of recording at speeds of up to 480 pictures per second, the HVR offers unmatched versatility.

Each system includes a built-in RS-422 adapter supporting over 75 protocols as well as digital signature verification for tamper detection of exported video.

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[Data Sheet \(PDF\)](#)

Key Features

Specifications

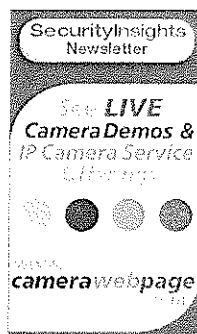
Support

Related Items

Compatibility

Video Format	NTSC / PAL
Resolutions	720 x 480 (NTSC) 720 x 240 (NTSC) 360 x 240 (NTSC) 720 x 576 (PAL) 720 x 288 (PAL) 360 x 288 (PAL)
Video Input	BNC X 8 16
Video Output	BNC x 8 16 SVGA x 1 (Required)
Recording Rate (480 PPS)	480 PPS 360 x 240 (NTSC) 240 PPS 720 x 240 (NTSC) 120 PPS 720 x 480 (NTSC)
Recording Rate (240 PPS)	240 PPS 360 x 240 (NTSC) 120 PPS 720 x 240 (NTSC) 60 PPS 720 x 480 (NTSC)
Recording Rate (120 PPS)	120 PPS 320 x 240 (NTSC) 60 PPS 640 x 240 (NTSC) 60 PPS 640 x 480 (NTSC)
Recording Rate (60 PPS)	60 PPS 320 x 240 (NTSC) 30 PPS 640 x 240 (NTSC) 30 PPS 640 x 480 (NTSC)
Audio Recording	Up to 16 Inputs
Sensor / Alarm Inputs	Up to 16 Inputs
Alarm Outputs	Up to 16 Outputs
PTZ Controls	Internal RS-422
PTZ Protocols	Over 75 Supported Protocols
Image Compression	Proprietary MJPEG
Storage Media	Up to 8 Terabytes Internally (RAID 5*)
LAN	10/100 Fast Ethernet (1000*)
Average Image Size	720 x 480 - 16 K 720 x 240 - 8 K 360 x 240 - 4 K
Critical Recording Archive	DVD Multi Burner LAN Internet (TCP/IP)
Password Control	User-Defined Access Control
Power Interruption Recovery	Automatic Restart after power interruption/recording operation resumes
Remote Connection	TCP/IP, UDP, Internet, LAN, WAN, ISDN, PSTN
Power Input	AC 100-240 V Input (50 Hz/60 Hz)
Operating System	Microsoft® Windows® XP Embedded

* SVGA Monitor is required for setup and maintenance. Specifications subject to change without notice.
* Optional Component

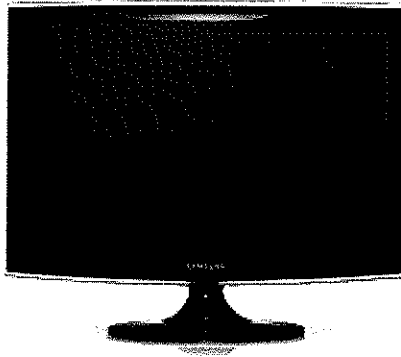


Provided by **Samsung**[Close window](#)

Samsung T260HD Monitor

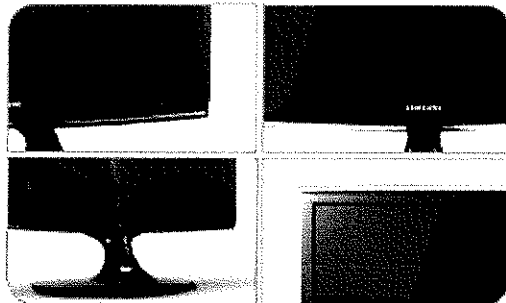
[Features](#) [Specifications](#) [More Photos](#)

25.5" multi-function LCD monitor



This HDTV monitor is beautiful inside and out. It features our stunning Touch of Color™ design and 1080p digital HDTV tuner for the highest resolution images. You'll also experience a vivid realistic picture with the incredible 10,000:1 dynamic contrast ratio. Beautifully designed, the T260HD is unlike any monitor you've ever seen.

Touch of Color™



Make a statement with SAMSUNG's new Touch of Color™ design. It features a hint of color naturally blended into the traditional piano black frame. Transforming our already stylish monitors into a work of art, it truly is unlike anything you've ever seen.

Dolby Digital Surround

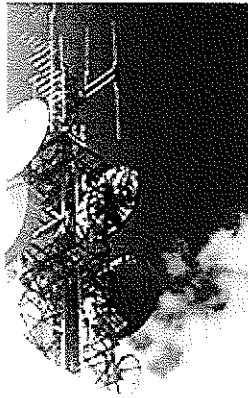
The sound quality is just as impressive as the picture. An invisible speaker system with stunning Dolby Digital surround sound lets you experience the thrill and excitement of movies, music, games.

lower power consumption

The T260HD is designed to be extremely efficient and uses up to a third less power than other monitors in its class. The unique SoftPower off function lets you put the T260HD in standby mode right away, using just 0.3 W of power.

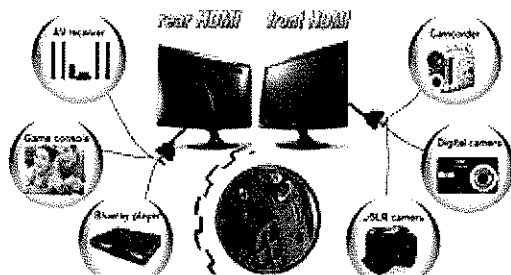
full HDTV monitor

※ Features and specifications are subject to change without prior notification.



The T260HD features a built-in full HD 1080p digital HDTV tuner so you can watch both TV and enjoy the benefits of high-definition entertainment

dual HDMI inputs, DVI and VGA inputs



Two High Definition Multimedia Interface™ (HDMI) connections make your monitor a multimedia centerpiece and let you easily and conveniently connect your other digital devices

10,000:1 dynamic contrast ratio

The contrast between light and dark colors on the screen is what makes images stand out. The bigger the difference between light and dark images, the more vibrant images will appear. With an amazing dynamic contrast ratio of 10,000:1, you'll enjoy sharper image quality that's sure to catch your eye.



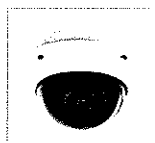
EasyView

Wide Dynamic Range

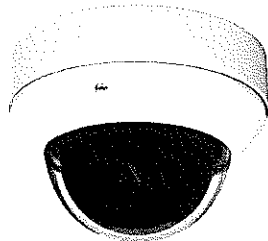
Most installer friendly cameras.

VANDALPROOF DOME

CV-W21N/P



Flush Mount



Flush Housing with Surface Mount

Key Features

- 1/3" CMOS Sensor
- Digital Pixel System
- 540 TV Lines
- 2.8-10mm DC Auto Iris
- 0.4 Lux(Color) 0.08 Lux(DSS On)
- Dynamic Range: 120 dB max
- Minimal Blooming
- Zero Smear
- Separate Camera Control Board
- OSD Menu
 - Service Monitor Output
- 12VDC/24VAC Dual Voltage

Construction

- 4" Polycarbonate Bubble
- 3-Axis Gimbal
- Flush Mount Housing w/ Surface Mount Plate in a single package
- Impact Resistant Dome w/ Aluminum Housing
- Weatherproof - IP66
- Aluminum Mounting Accessories(Optional)
- Fan & Heater(Optional)
- Compact Size

Technical Specifications NTSC = (N) PAL = (P)

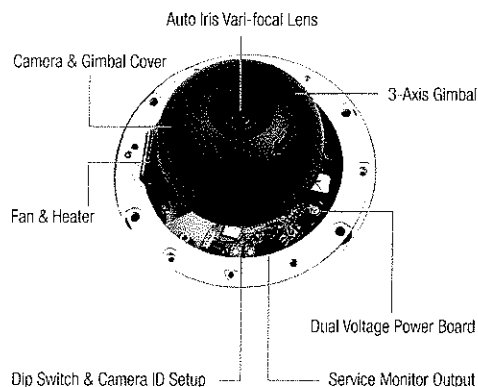
Item	CV-W21N/P
Video Format	NTSC & PAL Selectable
Image Sensor	1/3" CMOS
Sync System	Internal
Effective Pixels	720(H) x 540(V)
Scanning system	525 Lines 2:1 Interlaced(N) 625 Lines 2:1 Interlaced(P)
Main Video Output	1.0 Vp-p Composite 75 ohm
Service Monitor Output	1.0 Vp-p Composite 75 ohm
Horizontal Resolution	540 TV Lines
Min Illumination	0.4 Lux(Color) 0.08 Lux(DSS On)
Dynamic Range	120 dB max
S/N Ratio	More than 50dB(AGC Off)
Lens (DC Auto Iris)	Vari-focal: 2.8-10mm
Angle of View	132°(W) ~ 36°(T)
Camera Control & Setup	OSD Menu
Operating Temperature	-5°C ~ +45°C(Normal) -40°C ~ +45°C(w/ Fan & Heater)
Operating Humidity	Within 90% RH
Power Consumption	500 mA(Camera Only) Fan & Heater - 20VA(24VAC Only)
Input Voltage	12VDC/24VAC Dual Voltage

* Must use specified and regulated 12VDC/24VAC power supply

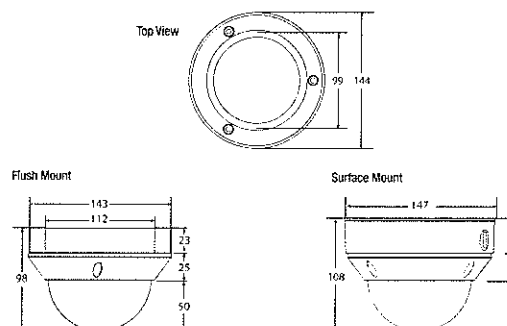
Accessories

CV-FH	Fan & Heater
CA-SMC30	Service Monitor Cable
CV-WM	Indoor Wall Mount
CA-OM	Outdoor Wall Mount
CA-PM	Pedestal Mount
CA-JB	Junction Box

Dome Inside View



Dimensions (UNIT: mm)



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Technical Support | techsupport@nuvico.com



ALTV2416, ALTV2416CB AC CCTV Power Supply

Rev. DSALTV2416 - A24F



Overview

- These Altronix AC Wall Mount CCTV Power Supplies provide 24VAC or 28VAC distributed via sixteen (16) fuse or PIC protected outputs for powering CCTV Cameras, heaters and other video accessories

ALTV2416

- Sixteen (16) fuse protected outputs
- Outputs are rated @ 3.5 amp.

ALTV2416CB

- Sixteen (16) PIC protected outputs.
- Outputs are rated @ 2.5 amp.

Specifications

- Input 115VAC, 50/60Hz, 1.9 amp
- 24VAC @ 8 amp (200VA) or 28VAC @ 7 amp (200VA) supply current.
- Main fuse rated @ 10 amp/250V.
- Power ON/OFF switch.
- Surge suppression.
- AC power LEDs
- Spare fuse(s) provided (all models w/primary and/or secondary fuses).
- Unit maintains camera synchronization.
- Ease of installation saves time and eliminates costly labor
- Product weight:
 - ALTV2416: 9.5 lbs.
 - ALTV2416CB: 9.5 lbs.
- Shipping weight:
 - ALTV2416: 10.1 lbs.
 - ALTV2416CB: 10.1 lbs.

Agency Approvals



European Conformity

8 5"H x 7.5"W x 3 5"D



CONTRACTOR LICENSE

Authorized by the

West Virginia Contractor Licensing Board

Number:

WV009698

Classification:

LOW VOLTAGE SYSTEMS


UNITED SOUND & ELECTRONICS LLC
DBA UNITED SOUND & ELECTRONICS LLC
525 E MAIN STREET
BRIDGEPORT, WV 26330-1824

Date Issued

DECEMBER 19, 2008

Expiration Date

DECEMBER 19, 2009



Authorized Company Signature



Chair, West Virginia Contractor
Licensing Board

**WEST VIRGINIA
CONTRACTOR
LICENSING
BOARD**

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