



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   |

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| PAGE |
| 1    |

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| ADDRESS CORRESPONDENCE TO ATTENTION OF |
| ROBERTA WAGNER<br>304-558-0067         |

VENDOR

Alan Leng  
 Leng's Security Camera Systems LLC  
 102 39th St, SE  
 Charleston, WV 25304

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 |
|--------------|---------------|----------|--------|---------------|
| 08/04/2009   |               |          |        |               |

BID OPENING DATE: 08/20/2009 BID OPENING TIME 01:30PM

| LINE  | QUANTITY | UOP | CAT NO. | ITEM NUMBER | UNIT PRICE | AMOUNT |
|---|----------|-----|---------|-------------|------------|--------|
| ADDENDUM NO. 3<br>1. TO MOVE THE BID OPENING DATE FROM 8/18/2009 TO 8/20/2009.<br>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.<br>EXHIBIT 10<br><br>REQUISITION NO.: WSH10002<br><br>ADDENDUM ACKNOWLEDGEMENT<br><br>I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.<br><br>ADDENDUM NO. S:<br>NO. 1 ..... ✓<br>NO. 2 ..... ✓<br>NO. 3 ..... ✓<br>NO. 4 .....<br>NO. 5 .....<br><br>I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF TH |          |     |         |             |            |        |

RECEIVED  
 2009 AUG 20 PM 1:04  
 WV PURCHASING DIVISION

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

|                                 |                           |                                   |
|---------------------------------|---------------------------|-----------------------------------|
| SIGNATURE<br><i>Alan C Leng</i> | TELEPHONE<br>304-925-0330 | DATE<br>8-20-09                   |
| TITLE<br>Owner                  | FEIN<br>20-3881880        | 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."

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**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  
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 WSH10002

PAGE  
 2

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

VENDOR

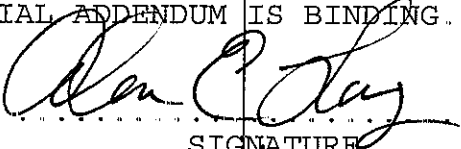
RFQ COPY  
 TYPE NAME/ADDRESS HERE

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 |
|--------------|---------------|----------|-------|---------------|
| 08/04/2009   |               |          |       |               |

BID OPENING DATE: 08/20/2009 BID OPENING TIME: 01:30PM

| LINE   | QUANTITY | UOP | CAT NO | ITEM NUMBER | UNIT PRICE | AMOUNT |
|--|----------|-----|--------|-------------|------------|--------|
| <p>ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.</p> <p>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.</p> <p style="text-align: center;"> <br/>           SIGNATURE<br/>           Longs Security Camera Systems LLC<br/>           COMPANY<br/>           8-20-09<br/>           DATE         </p> <p>REV. 11/96</p> <p style="text-align: center;">END OF ADDENDUM NO. 3</p> |          |     |        |             |            |        |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

|           |           |                                   |
|-----------|-----------|-----------------------------------|
| SIGNATURE | TELEPHONE | DATE                              |
| TITLE     | FEIN      | ADDRESS CHANGES TO BE NOTED ABOVE |

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|--------------|---------------|----------|-----|---------------|
| 08/04/2009   |               |          |     |               |

BID OPENING DATE: 08/20/2009 BID OPENING TIME 01:30PM

| LINE   | QUANTITY | UOP | CAT NO | ITEM NUMBER                    | UNIT PRICE   | AMOUNT       |
|--|----------|-----|--------|--------------------------------|--------------|--------------|
| 0001   | 1        | JB  |        | 990-22                         |              |              |
|  |          |     |        | ACCESS CONTROL SECURITY SYSTEM | \$123,040.13 |              |
|  |          |     |        | Option CCTV                    | \$25,818.87  |              |
| ***** THIS IS THE END OF RFQ WSH10002 ***** TOTAL: |          |     |        |                                |              |              |
| Grand Total for all                                |          |     |        |                                |              | \$148,859.00 |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *Olga E. [Signature]* TELEPHONE: 304-925-0338 DATE: 08-20-09

TITLE: Owner FEIN: 20-3981980 ADDRESS CHANGES TO BE NOTED ABOVE

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| ADDRESS CORRESPONDENCE TO ATTENTION OF |
| ROBERTA WAGNER<br>304-558-0067         |

VENDOR

**Longs' Security Camera Systems LLC**  
 102 38th Street SE  
 Charleston, WV 25304

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 |
|--------------|---------------|----------|--------|---------------|
| 07/28/2009   |               |          |        |               |

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.<br>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 <input checked="" type="checkbox"/>  |          |     |        |             |            |        |
| NO. 2 <input checked="" type="checkbox"/>  |          |     |        |             |            |        |
| NO. 3 <input checked="" type="checkbox"/>  |          |     |        |             |            |        |
| NO. 4 <input type="checkbox"/>   |          |     |        |             |            |        |
| NO. 5 <input type="checkbox"/>   |          |     |        |             |            |        |
| I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF TH   |          |     |        |             |            |        |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

|   |                           |                                   |
|---|---------------------------|-----------------------------------|
| SIGNATURE<br><i>Alan E. [Signature]</i> | TELEPHONE<br>304-925-0338 | DATE<br>8-20-09                   |
| TITLE<br>Owner                          | FEIN<br>20-3881880        | ADDRESS CHANGES TO BE NOTED ABOVE |

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| ROBERTA WAGNER<br>304-558-0067         |

VENDOR

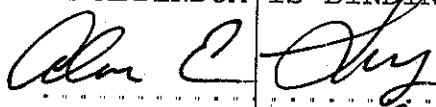
RFQ COPY  
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SHIP TO

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>ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.</p> <p>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.</p> <p style="text-align: center;"> <br/>           SIGNATURE<br/>           Longs Security Camera Systems LLC<br/>           COMPANY<br/>           8-20-09<br/>           DATE         </p> <p>REV. 11/96</p> <p style="text-align: center;">END OF ADDENDUM NO. 2</p> |          |     |          |             |            |        |

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|           |           |                                   |
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SHIP TO

HEALTH AND HUMAN RESOURCES  
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| 07/28/2009   |               |          |        |               |

| 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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| ADDRESS CORRESPONDENCE TO ATTENTION OF: |
| ROBERTA WAGNER<br>304-558-0067          |

VENDOR

R  
 TYP Longs' Security Camera Systems  
 LLC  
 102 38th Street SE  
 Charleston, WV 25304

SHIP TO

HEALTH AND HUMAN RESOURCES  
 WILLIAM R. SHARPE JR. HOSPITAL  
 CENTRAL RECEIVING  
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 WESTON, WV  
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|              |               |          |        |               |
|--------------|---------------|----------|--------|---------------|
| 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<br>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  | ✓        |     |        |             |            |        |
| NO. 2  | ✓        |     |        |             |            |        |
| NO. 3  | ✓        |     |        |             |            |        |

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|                                  |                           |                                   |
|----------------------------------|---------------------------|-----------------------------------|
| SIGNATURE<br><i>Alan C. Chay</i> | TELEPHONE<br>304-925-0338 | DATE<br>8-20-09                   |
| TITLE<br>Owner                   | FIRM<br>20-3881880        | ADDRESS CHANGES TO BE NOTED ABOVE |

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| ADDRESS CORRESPONDENCE TO ATTENTION OF |
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| 304-558-0067                           |



VENDOR

RFQ COPY  
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 304-269-1210

|                              |               |                          |        |               |
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| 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   |          |     |        |             |            |        |
| <p>I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.</p> <p>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.</p> <p style="text-align: center;"> <br/>           SIGNATURE<br/> <br/>           COMPANY<br/>           8-20-09<br/>           DATE         </p> |          |     |        |             |            |        |
| REV. 11/96  |          |     |        |             |            |        |
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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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VENDOR

F  
 TYI Longs' Security Camera Systems  
 LLC  
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| 07/01/2009   |               |          |        |               |

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

|   |                           |                                   |  |
|---|---------------------------|-----------------------------------|--|
| SEE REVERSE SIDE FOR TERMS AND CONDITIONS |                           |                                   |  |
| SIGNATURE<br><i>Alan C. Long</i>          | TELEPHONE<br>304-925-0338 | DATE<br>8-20-09                   |  |
| TITLE<br>Owner                            | FAX<br>20-3881880         | 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

RFQ NUMBER  
 WSH10002

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

VENDOR

RFQ COPY  
 TYPE NAME/ADDRESS HERE

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                 | FOB       | FREIGHT TERMS                     |            |        |
|--|---------------|--------------------------|-----------|-----------------------------------|------------|--------|
| 07/01/2009   |               |                          |           |                                   |            |        |
| BID OPENING DATE: 08/04/2009   |               | BID OPENING TIME 01:30PM |           |                                   |            |        |
| LINE   | QUANTITY      | UQP                      | CAT NO    | ITEM NUMBER                       | UNIT PRICE | AMOUNT |
| <p>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:</p> <p>ROBERTA WAGNER<br/>           DEPARTMENT OF ADMINISTRATION<br/>           PURCHASING DIVISION<br/>           2019 WASHINGTON STREET, EAST<br/>           CHARLESTON, WV 25311</p> <p>FAX: 304-558-4115<br/>           E-MAIL: ROBERTA.A.WAGNER@WV.GOV</p> <p>NOTICE TO PROCEED: THIS CONTRACT IS TO BE PERFORMED WITHIN 120 CALENDAR DAYS AFTER THE NOTICE TO PROCEED IS RECEIVED</p> <p>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</p> <p>WAGE RATES: THE CONTRACTOR OR SUBCONTRACTOR SHALL PAY THE HIGHER OF THE U.S. DEPARTMENT OF LABOR MINIMUM WAG</p> <p>SEE REVERSE SIDE FOR TERMS AND CONDITIONS.</p> |               |                          |           |                                   |            |        |
| SIGNATURE  |               |                          | TELEPHONE |                                   | DATE       |        |
| TITLE  |               | FEIN                     |           | ADDRESS CHANGES TO BE NOTED ABOVE |            |        |

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State of West Virginia  
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# Request for Quotation

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| ADDRESS CORRESPONDENCE TO ATTENTION OF |
| ROBERTA WAGNER<br>304-558-0067         |

VENDOR

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SHIP TO

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 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 |
|--|----------|-----|---------|-------------|------------|--------|
| <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: <i>Longs Security Camera Systems LLC</i></p> <p>CONTRACTORS LICENSE NO.: <i>WV040102</i></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> |          |     |         |             |            |        |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

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| SIGNATURE | TELEPHONE | DATE                              |
| TITLE     | FEIN      | ADDRESS CHANGES TO BE NOTED ABOVE |

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| 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 |
|--|----------|-----|--------|-------------|------------|--------|
| <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 style="text-align: center;">NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p style="text-align: center;">DEPARTMENT OF ADMINISTRATION<br/>         PURCHASING DIVISION<br/>         BUILDING 15<br/>         2019 WASHINGTON STREET, EAST<br/>         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> |          |     |        |             |            |        |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

|           |           |                                   |
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State of West Virginia  
 Department of Administration  
 Purchasing Division  
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### Request for Quotation

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| RFQ NUMBER |
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| ADDRESS CORRESPONDENCE TO ATTENTION OF: |
| ROBERTA WAGNER<br>304-558-0067          |

RFQ COPY  
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| LINE  | QUANTITY | UOP | CAT NO. | ITEM NUMBER | UNIT PRICE | AMOUNT |
|---|----------|-----|---------|-------------|------------|--------|
| BID OPENING DATE: ----- 8/4/2009 -----<br>BID OPENING TIME: ----- 1:30 PM -----<br>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY<br>TO CONTACT YOU REGARDING YOUR BID:<br>304-925-0338<br>PLEASE PRINT OR TYPE NAME OF PERSON TO CONTACT<br>CONCERNING THIS QUOTE:<br>ALAN E LONG |          |     |         |             |            |        |
| ***** 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 |

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

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. **RECOURPMENT** - 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: Longs Security Camera Systems LLC  
 Signed: Alan E. Oby  
 Title: Owner  
 Date: 9-20-09

ATTACHMENT  
PO # 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  
Alan E. Long      9-20-09  
Signature                      Date

Owner  
Title

Longs Security Camera Sys LLC  
Company Name

\_\_\_\_\_  
Signature                      Date

\_\_\_\_\_  
Title

\_\_\_\_\_  
Agency/Division

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: Longs Security Camera Sys, LLC  
Authorized Signature: Alan E. [Signature] Date: 9-20-09

# 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: Longs Security Camera Sys LLC Signed: Adam E Long

Date: 09-20-09 Title: Owner

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

# Longs' Security Camera Systems

102 38<sup>th</sup> Street SE

Charleston West Virginia 25304

Phone: (304) 925-0338 Fax: (304) 925-0338 Email: Longscctv@Suddenlink.net

10 years Experience \* BS Electronic Engineering Technology Degree \* Military Electronics Trained (USMC Avionics)

Closed Circuit Television System \* Complete Digital Recording Solutions \* Commercial \* Residential

|                                 |                              |
|---------------------------------|------------------------------|
| TO: Health and Human Resources  | Proposal ID: WHS10002        |
| Attn: William R Sharpe Hospital | Date: 08-20-09               |
| Central Receiving               | Terms: Progressive Invoicing |
| 936 Sharpe Hospital Road        | Per Spec                     |
| Weston, WV 26452                | Sales Tax: Not Included      |
| Phone: 304-269-1210             | FOB: Job Site                |
| Fax:                            | Proposal Expires: N/A        |

## SCOPE OF WORK

**Project Name: William R Sharpe Jr Hospital Card Access and CCTV Option**  
**Bid Number WSH10002**

Proposal is for Longs Security Camera Systems LLC to provide and install card access system in William R. Sharpe Jr. Hospital.

## SCOPE OF WORK

### CARD ACCESS SYSTEM SUMMARY

The system controllers will be disturbed throughout the hospital in four key locations. In each location there will be specific number of controllers to handle the number of doors associated with this location. Please refer to included drawing. Each will require one IP address.

In each location will be a system controller with network integration card and necessary power supplies to power the door equipment. The system is capable of expanding to meet the requirements listed in the specification, but in this bid configuration the hospital will already be able to expand by six (6) doors without purchasing a new controller. (Please note Controller area "B" and "E")

At each door there will be an "IN and "OUT" reader to control the door. Each door will be supplied with a Delayed Egress Magnetic Lock w/integrated door contacts. This means that each single door will have one lock and each double door will have two locks. These lock will provide delayed egress, siren and access control integration.

Each user will have to use their card to read out or in any door. If any unauthorized person should try to leave without a valid read the door will sound an alarm, but will allow the door to open after 30 seconds as required by the fire marshal.

All power to door locked will be integrated into the fire alarm system allowing for release of all the door locks in cases of fire.

The card access software will be installed on the users' server and will be accessible throughout the hospitals network. Only those users that have access codes will be



allowed on the system. A dual screen client computer will be provided at the front desk for security operators to view the card access system as well as the cctv system.

### OPTIONAL CAMERA SYTEM SUMMARY

The optional camera systems DVR is from the same manufacture of the Card Access System. This will allow for seem less integration of the card access and cctv operations.

At each card access location there will be a one 16 channel digital recorder with 1.0 TB of internal storage (Please see included datasheet). This will give the end-user a total capability of 64 cameras with only 21 cameras being utilized in the original contract. The DVR's will also be inserted on the hospitals networked and controlled thought the provided SMS software. The digital camera system will be accessible to anyone on the hospitals network who has user access.

| Qty | Manufacture | Part Number  | Description  |
|-----|-------------|--------------|--|
| 1   | LSCS        | Computer     | Front Desk Client Station w/ (2) 19" LCD monitors and Client Computer  |
| 2   | Keyscan     | CA200        | 2 Reader Card Access Controller w/ Power Supply and network cards Section "C" on drawing   |
| 6   | Keyscan     | CA800        | 8 Reader Card Access Controller w/ Power Supply and network cards Section "A, B & E" on drawings   |
| 4   | TrippLite   | Omni VS 1500 | 1500 VA Universal Power Supply   |
| 1   | Keyscan     | System VII   | System VII Card Access Software  |
| 3   | Keyscan     | K-CL         | System VII Client license for additional concurrent users. Requires System VII. In addition to the provide users integrated with System VII Software |
| 42  | Keyscan     | KPROX2       | Proximity Card Access Reader   |
| 10  | Keyscan     | HID-1392     | Card Access Stick-on Cards (50 pack) Total 500 cards   |
| 4   | Altronics   | ALT600ULM    | Card Access Door Lock Power Supply with Fire Alarm integration card.   |
| 33  | Dynalock    | 3101B-DSM    | Delayed egress door magnetic lock, 1500lbs, w/integrated door contact and 30 second timer.   |
| 21  | Takex       | 5102         | Request to exit PIR for card access input. Will not unlock door until valid read.  |
| 1   | West Penn   | LS251822     | Plenum Access Control Cable  |
| Lot |             |              |  |
| 1   | LSCS        | Lot          | Installation Labor and Materials   |

**GRAND SYSTEMS TOTAL \$123,040.13**

#### *CCTV Option (To be installed with card access system)*

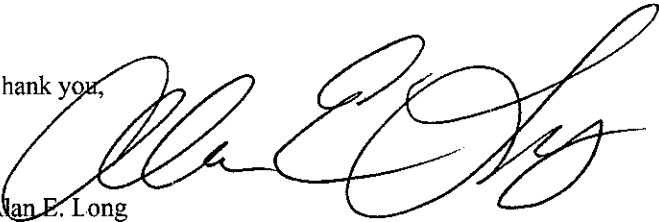
|   |           |                  |  |
|---|-----------|------------------|--|
| 4 | Keyscan   | KDVR             | 16 Channel Digital Recorder w/ 1.0 TB Internal Hard Drive and SMS Software |
| 1 | Nuvico    | CV-W21N          | Wide Dynamic Color Dome Camera, Vandal Resistant, 2.8-10mm AI lens         |
| 1 | Altronics | ALIV248175<br>UL | Camera Power Supply  |
| 1 | West Penn | 25815            | Plenum Video Coax  |
| 1 | West Penn | 25224            | Plenum Power Cable   |
| 1 | LSCS      | Lot              | Installation labor and Materials.  |

**GRAND SYSTEMS TOTAL \$25,818.87**

TERMS AND CONDITIONS:

- Two Year manufacture warranty during normal working hours will be provided on all new equipment provided by Long's Security Cameras Systems. Abuse, Neglect or Acts of God not covered under warranty agreement.
- Any special lift or equipment is to be provided by the owner.
- Sales Tax Not Included, Local Fees Not Included
- Owner to provide 120 Volts Power to power equipment as required. Established electrical circuit are usually adequate providing the source is a clean electrical source and un-switched.
- Installation of all new cabling will be installed in accordance to the current installation methods. In areas where cable will be installed below 7' conduit will be used

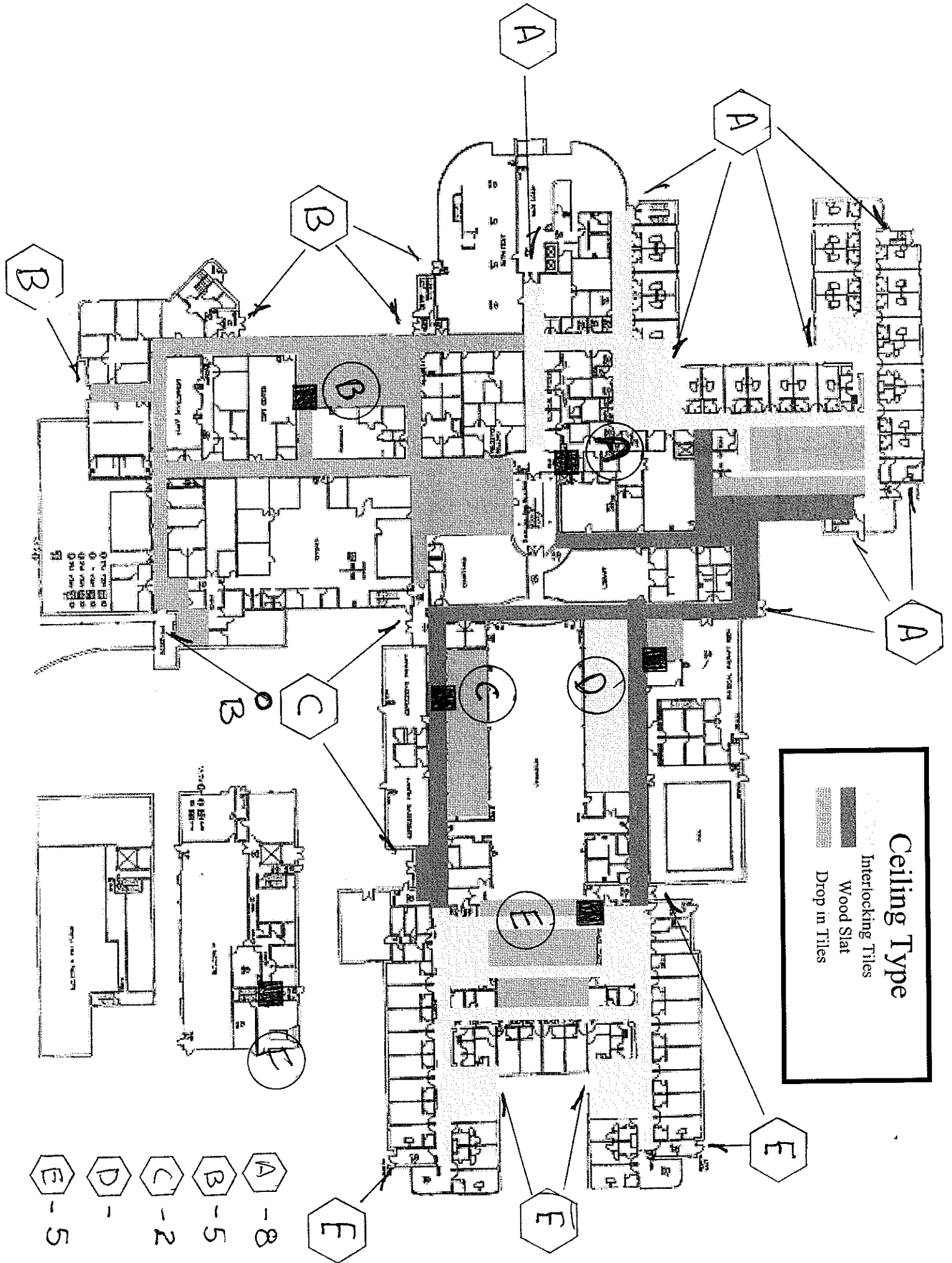
Thank you,



Alan E. Long  
Owner  
Long's Security Camera Systems

ACCEPTANCE OF PROPOSAL

\_\_\_\_\_ Approval Signature  
\_\_\_\_\_ Signatures Title  
\_\_\_\_\_ Date  
\_\_\_\_\_ Purchase Order Number



**Ceiling Type**

- Interlocking Tiles
- Wood Slat
- Drop in Tiles

- A-8
- B-5
- C-2
- D-1
- E-5

# CONTRACTOR LICENSE

Authorized by the

**West Virginia Contractor Licensing Board**

**Number:** WV040102

**Classification:**

LOW VOLTAGE SYSTEMS

LONGS SECURITY CAMERA SYSTEMS LLC  
DBA LONGS SECURITY CAMERA SYSTEMS LLC  
102 38TH STREET SE  
CHARLESTON, WV 25304

**Date Issued**

**Expiration Date**

JANUARY 26, 2009

JANUARY 26, 2010

Authorized Company Signature

*Michael A. Carl*  
Chair, West Virginia Contractor  
Licensing Board

**WEST VIRGINIA  
CONTRACTOR  
LICENSING  
BOARD**

This license, or a copy thereof, must be posted in a conspicuous place at every construction site where work is being performed. This license number must appear in all advertisements, on all bid submissions and on all fully executed and binding contracts. This license cannot be assigned or transferred by licensee. Issued under provisions of West Virginia Code, Chapter 21, Article 11.

# ACORD CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YY)  
8/20/09

**PRODUCER**

Wells Fargo Ins. Services  
of West Virginia, Inc.  
P. O. Box 1851  
Charleston WV 25325-1551  
(304) 348-0811

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

**COMPANIES AFFORDING COVERAGE**

- COMPANY  
**A** Landmark American Insurance Co
- COMPANY  
**B**
- COMPANY  
**C**
- COMPANY  
**D**

**INSURED**

Long's Security Camera Systems  
102 38th St SE  
Charleston, WV 25304

**COVERAGES**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| CO LTR | TYPE OF INSURANCE  | POLICY NUMBER | POLICY EFFECTIVE DATE (MM/DD/YY) | POLICY EXPIRATION DATE (MM/DD/YY) | LIMITS  |
|--------|--|---------------|----------------------------------|-----------------------------------|---|
| A      | <b>GENERAL LIABILITY</b><br><input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY<br><input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR<br><input type="checkbox"/> OWNER'S & CONTRACTOR'S PROT       | LBA032769     | 3/11/09                          | 3/11/10                           | GENERAL AGGREGATE \$ 2,000,000<br>PRODUCTS-COMP/OP AGG \$ 2,000,000<br>PERSONAL & ADV INJURY \$ 1,000,000<br>EACH OCCURRENCE \$ 1,000,000<br>FIRE DAMAGE (Any one fire) \$ 100,000<br>MED EXP (Any one person) \$ 5,000 |
|        | <b>AUTOMOBILE LIABILITY</b><br><input type="checkbox"/> ANY AUTO<br><input type="checkbox"/> ALL OWNED AUTOS<br><input type="checkbox"/> SCHEDULED AUTOS<br><input type="checkbox"/> HIRED AUTOS<br><input type="checkbox"/> NON OWNED AUTOS |               |                                  |                                   | COMBINED SINGLE LIMIT \$<br>BODILY INJURY (Per person) \$<br>BODILY INJURY (Per accident) \$<br>PROPERTY DAMAGE \$  |
|        | <b>GARAGE LIABILITY</b><br><input type="checkbox"/> ANY AUTO   |               |                                  |                                   | AUTO ONLY - EA ACCIDENT \$<br>OTHER THAN AUTO ONLY:<br>EACH ACCIDENT \$<br>AGGREGATE \$   |
|        | <b>EXCESS LIABILITY</b><br><input type="checkbox"/> UMBRELLA FORM<br><input type="checkbox"/> OTHER THAN UMBRELLA FORM   |               |                                  |                                   | EACH OCCURRENCE \$<br>AGGREGATE \$<br>\$  |
|        | <b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b><br>THE PROPRIETOR/PARTNERS/EXECUTIVE OFFICERS ARE: <input type="checkbox"/> INCL <input type="checkbox"/> EXCL  |               |                                  |                                   | WC STATUS/TOBY LIMITS OTH-ER<br>EL EACH ACCIDENT \$<br>EL DISEASE-POLICY LIMIT \$<br>EL DISEASE-EA EMPLOYEE \$  |
|        | OTHER  |               |                                  |                                   |   |

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS

**CERTIFICATE HOLDER**

Health & Human Resources  
William R Sharpe Jr Hospital  
Central Receiving  
938 Sharp Hospital Rd  
Weston, WV 25452

**CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 10 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

*Tammy Bowles*

Tammy Bowles

### **IMPORTANT**

If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must be endorsed. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

### **DISCLAIMER**

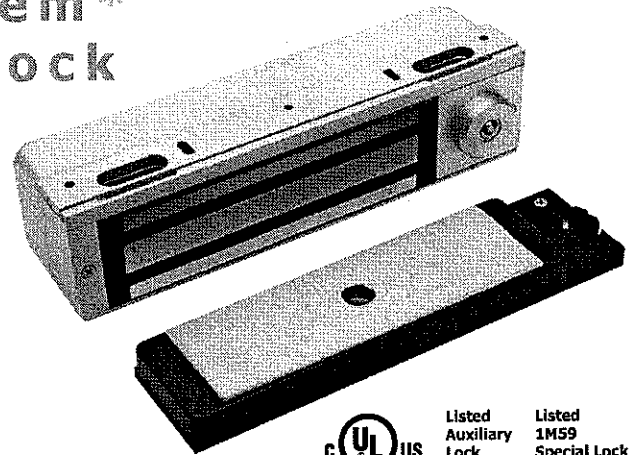
The Certificate of Insurance on the reverse side of this form does not constitute a contract between the issuing insurer(s), authorized representative or producer, and the certificate holder, nor does it affirmatively or negatively amend, extend or alter the coverage afforded by the policies listed thereon.

# 3101B Series

## Delay Egress System\*

### Electromagnetic Lock

- **Prevent Unauthorized Exits**
- **Completely Self Contained**
- **12/24 VDC/VAC**
- **Unique Sensor Unaffected by Minor Door Misalignment**
- **Lifetime Warranty**



\*Conforms to NFPA101 Life Safety Code

CSFM



Listed  
Auxiliary  
Lock  
5N98

Listed  
1M59  
Special Locking  
Arrangements

### Description

The 3101B Series is designed to satisfy life safety codes and high security needs at the same time. The next generation 3101B system offers better technology, resistance to electrical surges, and a virtually maintenance free sensing system.

In a typical installation, the door is normally closed and latched by the existing mechanical door hardware and magnetically secured by the 3101B Lock. Attempting to exit by applying 15Lbs. or less pressure to the door will cause the door to become unlatched, and activate the 3101B delay egress timer. The audible and red LED will pulsate for 15 seconds (30 seconds field selectable). After the time delay has elapsed, the lock will release and the audible will sound continuously with a green LED until the door is shut and the lock is reset. Reset and/or bypass are accomplished with a built-in keyswitch or remote signal. The system unlocks automatically when the 3101B is integrated with the building emergency fire alarm system or power is removed. Fire alarm contacts on the 3101B Lock are field selectable for NO and NC signals.

### Standard Features

- **Microprocessor Controlled:** An advanced digital processor on-board manages all lock functions, without the need for an external system controller. Custom factory programs are available to meet varying job requirements and local building codes.
- **Low Installation Cost:** The user friendly micrometer style adjustment wheel simplifies calibration of delay egress sensor and works with existing door hardware. Does not require touch or electrified exit devices, electric hinges, door cords or special power supplies.
- **Watchdog Circuit:** Will signal malfunction with pulsating LED and audible for maximum dependability.
- **Selectable Nuisance Delay:** 1 or 3 second to deter false alarms.
- **Opto-Electronic System Sensor:** Featuring a new concealed optical sensor unaffected by wind, warpage or door sag.
- **Holding Force:** 1500 Lbs. high security holding force per lock effectively deters forced access or egress.
- **Lifetime Warranty** - American Made in the USA by DynaLock, with over 20 years experience in the manufacture of electromagnetic locks.

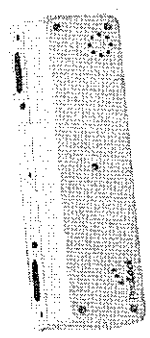
LIFE SAFETY PRODUCTS

FULLY INTEGRATED SECURITY SYSTEMS

Electromagnetic Locks | Controls | Power Supplies

# 3101B Series Delay Egress System

## Rear View



System Operation Selector Switch

|                |     |                         |
|----------------|-----|-------------------------|
| System Status  | # 1 | normal - setup          |
| Bypass Audible | # 2 | enabled - disabled      |
| Nuisance Delay | # 3 | 1 seconds - 3 seconds   |
| Egress Delay   | # 4 | 15 seconds - 30 seconds |

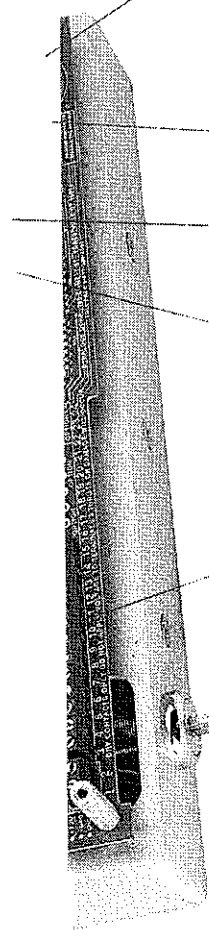
Bi-Color LED signals system status and when in setup mode. Also monitors door position.

Bypass mode relock time selector - 5 to 80 seconds.

Voltage Selector

Microprocessor

Watchdog red LED flashes to indicate malfunction or service required.



On-Board keyswitch - provides system reset and bypass.

Terminal Strip (see page 4)

Audible selector - on/off.

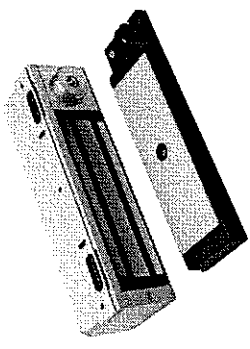
Egress sensor control - enabled/disabled.

FAC Selector - Changes required input for fire alarm release terminals between NO and NC.

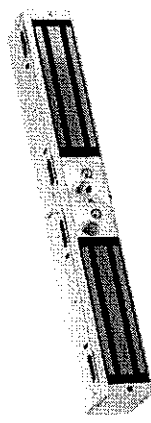
Audible 93db at 3 ft. pulses once per second with LED during exit attempt. Sounds continuously after delay sequence, shunts when system resets. Pulses every 1.5 seconds if unit requires service.

## Model Selection

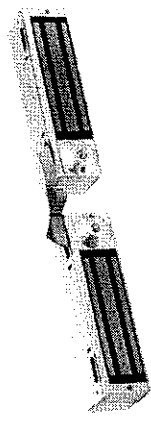
**3101B Single Outswinging Door**  
Single coil. Mounts to the underside of the frame header.



**3121B Double Outswinging Door No Center Mullion.** Double coil. Mounts to the underside of the frame header. Master/slave configuration.



**3121B2 Double Outswinging Door With Center Mullion.** Double coil. Mounts to the underside of the frame header. Master/slave configuration.





# 3101B Series Electromagnetic Lock

## Options

- ATS** ANTI-TAMPER SWITCH - Signals removal of the housing cover. SPDT contacts.
- ATS2** ANTI-TAMPER SWITCH - For 3121B models.
- BPM** BYPASS MONITOR - Signals bypass keyswitch activation.
- DSM** DOOR STATUS SWITCH - Signals door closed or ajar.
- DSM2** DOOR STATUS SWITCH - For 3121B models.
- DYN** DYNASTAT FORCE SENSOR - Indicates efficient magnetic bond. SPDT contacts.
- DYN2** DYNASTAT FORCE SENSOR - For 3121B models.
- ETR** EGRESS SENSOR OMITTED - For externally triggered egress.
- KSO** KEYSWITCH OMITTED - In favor of separate remote keyswitch.
- LP** LOW POWER COIL - 12V only @ 0.40 Amps (Single coil)
- LP2** LOW POWER COIL - 12V only @ 0.72 Amps (Double coil)
- SF** SPECIAL FINISH - Standard finish US28 Satin Aluminum. See price book.

## Building Code Software Options

- BOCA** For operation in compliance with BOCA Code.
- UBC** For operation in compliance with UBC Code.

## Specifications

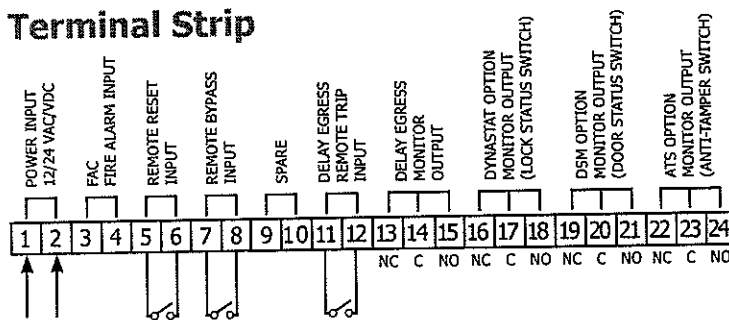
### MECHANICAL

- Holding Force: 1500 Lbs. Each Coil
- Lock Size:
  - 3101B 3"D x 2<sup>3</sup>/<sub>4</sub>"H x 11"L
  - 3121B 3"D x 2<sup>3</sup>/<sub>4</sub>"H x 22"L
  - 3121B2 3"D x 2<sup>3</sup>/<sub>4</sub>"H x 11"L Each
- Armature Size: 1/2"D x 2<sup>5</sup>/<sub>16</sub>"H x 7<sup>3</sup>/<sub>8</sub>"L
- Lock Weight: 3101B 11.5Lbs. / 3121B 23Lbs.
- Finish: US28 Satin Aluminum with clear anodize.  
Other Finishes Available.

### ELECTRICAL

- Input Voltage: 12 or 24 VDC/VAC (Field Selectable)
- Current Draw: 0.75A / 1.20A @ 12V (Single/Double)  
0.50A / 0.75A @ 24V (Single/Double)
- Contact Ratings: DSM - 0.5A @ 24VDC/VAC  
DYN - 1A @ 24VDC/VAC  
ATS - 0.5A @ 24VDC/VAC  
Delay Monitor - 1A @ 24VDC/VAC  
Bypass Monitor - 4A @ 125VDC/VAC
- Coil Resistance: 53.2 Ohms (+/- 10%) Wht/Wht, Blk/Blk

## Terminal Strip



## Accessories

- 4000 Series:** Filler Plates / Angle Brackets
- 5000 Series:** Power Supplies
- 6000 Series:** Push-buttons / Exit Controls
- 7000 Series:** Keyswitches / Keypads
- 8000 Series:** Consoles / Custom or Standard

**DYNALOCK CORPORATION**  
 705 EMMETT STREET / PO BOX 2728  
 BRISTOL, CT 06011-2728  
 PHONE: 877-DYNALOCK / FAX: 860-585-0338  
 E-MAIL: INFO@DYNALOCK.COM  
 WEBSITE: WWW.DYNALOCK.COM





TECHNICAL FEATURES







## KEYSCAN'S SYSTEM VII - REDEFINES ACCESS CONTROL

It is the most versatile access control management software in the security industry. Loaded with all the features and functions that the industry has come to expect from Keyscan. Packaged with Keyscan's renowned reliability to deliver an access control solution that you can depend on 365 days a year.

Whether protecting just a few doors or hundreds of doors, System VII packages ease of use with unprecedented integration and expansion capability.



Innovation has always been the cornerstone for Keyscan. Our dedicated and experienced hardware and software engineers have developed an access control solution founded on quality and reliability. Value is built into every feature and function of System VII, delivering an access solution that is guaranteed to meet end-user needs today and well into the future regardless of the size of the organization.

New York, Toronto, Tokyo and London, whether protecting a single site location or an organization with offices worldwide you can count on Keyscan to deliver world class access control.

# SYSTEM VII - SOPHISTICATION WITHOUT COMPLICATION

System VII delivers all the features and functions expected in a premium access control solution but without the complication. Keyscan is known for developing feature rich access control management software that is logical, with ease of use considered for both the end-user and the installing technician.

Seasoned installers, novice users and corporate security directors all rave about the simple yet powerful Keyscan access control management software.

## SINGLE PAGE INTERFACE

- System VII's Card holder screen provides the end-user with a single page interface for enrolling and assigning access levels. System VII delivers logically placed information for easy reference and entry.

## SINGLE BUTTON HANDICAP FEATURE

- Address the concerns of individuals that may need more time to pass through doors. Simply click the single button handicap feature to apply the handicap timer.

## CARD IMPORT FEATURE

- Import card holder information from an existing database or excel file and save on data entry. A CSV file formatted for Keyscan's data structure is all that is required to leverage this efficiency adding tool. Imports may be scheduled to update changes from a human resources database. Allowing end-users to simply manage one database.

## LAST CARD TRANSACTIONS

- With System VII, open a card holder file and instantly view the card holder's last transactions. A convenient tool to quickly determine if a card holder is in the facility and where the credential was last used.

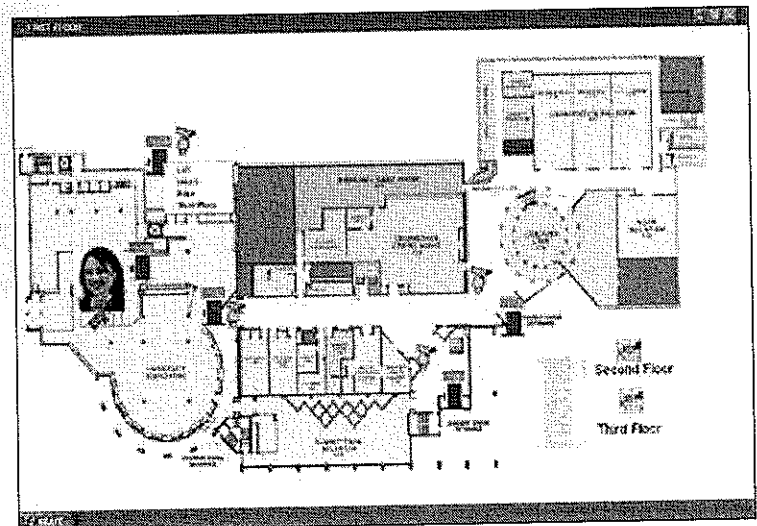
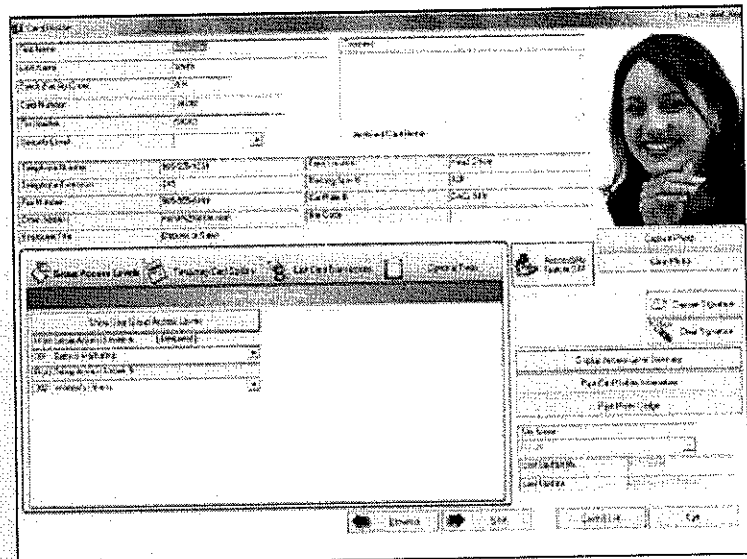
## 21 PERSONNEL FIELDS

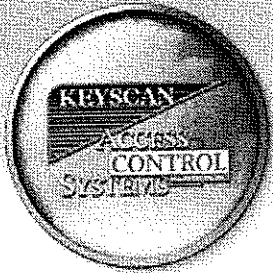
- Users are provided 21 fields to record various personnel data such as first name, last name, department, parking spot and special comments. There are 10 completely user definable fields. All fields are searchable for report generation.

## ACTIVE MAPPING (K-CM OPTION)

System VII provides a powerful active mapping software module. System VII's K-CM provides security personnel or system administrators with unprecedented tools to perform their jobs efficiently and effectively. The all new Active Mapping module provides visual representation of active sites, with building floor layouts, and annunciates, real-time on screen, door status, alarm points and input status. Camera locations can also be identified on the map with active camera icons providing an instantaneous link to the live camera feed for that building location and camera. Power users of the active mapping module will appreciate the multi-map capability with map linking ability.

- Call up live video straight from the Active map
- Visual alarm point notification
- View on-file photo identification for any entry point
- Manually lock or un-lock doors
- Arm or disarm inputs
- Multi-map linking functionality





## SYSTEM VII - INNOVATION. UNCOMPROMISED.

- **SQL Server 2005 Express Database**

System VII provides the latest in database technology behind the Keyscan access control system. 4GB of database storage provides ample historical information for all but the largest installations.

- **Scheduled Database Backups with Email Notification**

Automate database backups with System VII. Configure the day(s) and time for backups to occur and benefit from System VII generated email notifications.

- **2 Levels of Disaster Recovery**

Level I - Recover the Keyscan access control database quickly and efficiently by restoring from a previous database backup.  
Level II - Rebuild the Keyscan database by downloading data from the systems access control units.

- **Multi-Monitor Support**

Build impressive building or corporate wide monitoring stations with System VII.

- **Multi-Communication Managers**

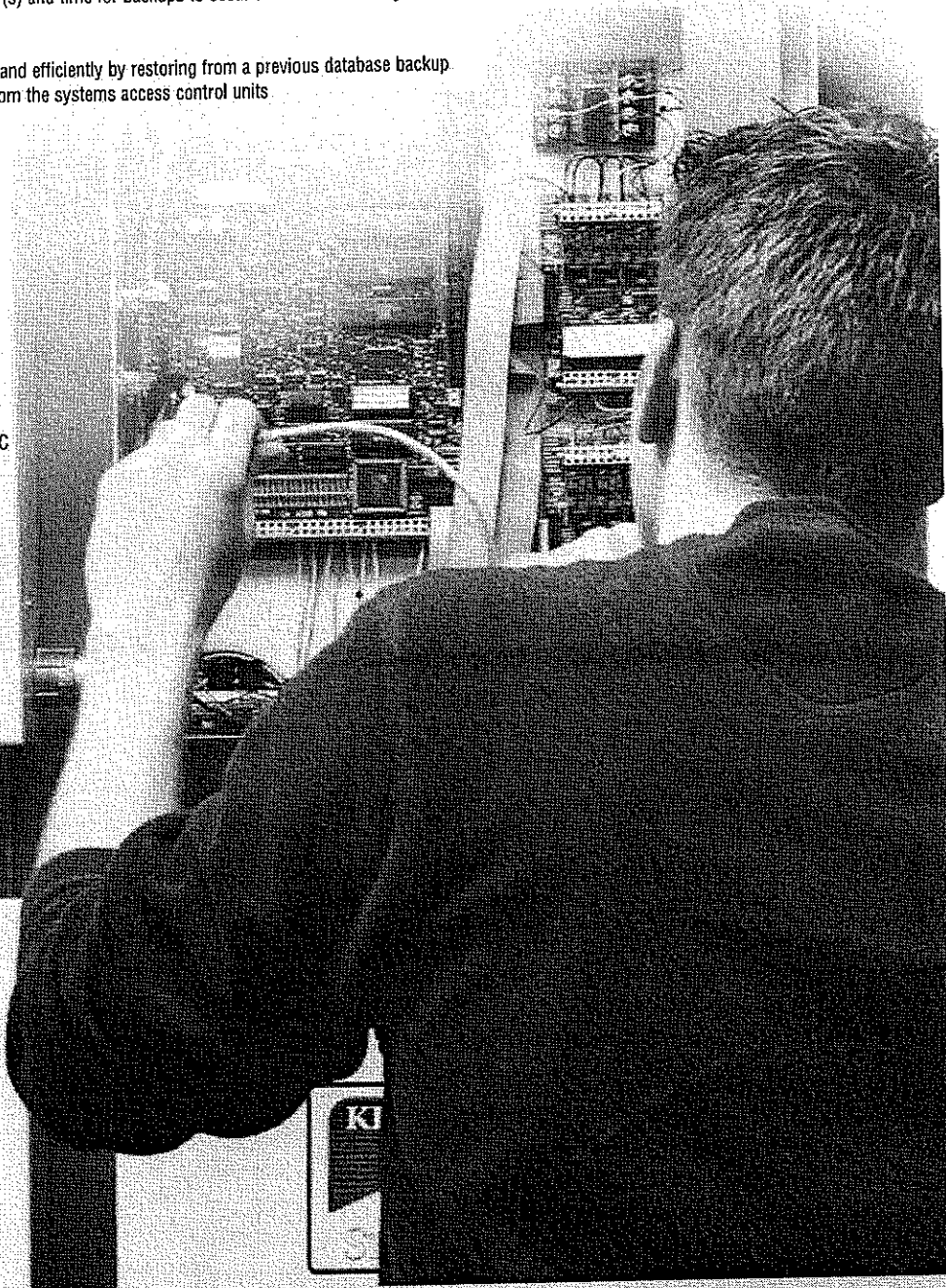
Optimize system wide communication speed and performance by running multiple communications managers on a single computer or server. Large sites with many controlled doors will benefit from faster ACU polling times.

- **PC or Server Failures**

Keyscan's access control solution delivers full independent operation without degradation in the event of access control PC or server failure.

- **User Screen Layout Preference**

System VII is designed to recall the user's last screen and access control windows configuration. Whether it is single monitor or multiple monitor get the look and orientation that suits the task.





# THE ENTERPRISE SOLUTION

## SYSTEM VII - OPTIONAL FULL MICROSOFT SQL DATABASE

Keyscan has designed full SQL capability into the System VII access control management software. Ready when needed, System VII is equipped to support the largest corporate enterprise utilizing the latest in full SQL. Whether the corporation is running Microsoft SQL Workgroup Standard or Enterprise, System VII has the database upgrade

## SYSTEM WIDE COMMUNICATION - RUNNING AS A SERVICE

System VII by default runs PC to panel communications as an application. For those organizations that require a true server based environment System VII allows for communications to be installed as a service

## FACILITY LOCK DOWN

Protecting assets and people is serious business. The instant security is breached institute a facility-wide lock down from any System VII client or reader.

## FIRST PERSON IN

Utilize this feature to enforce supervisor or management presence on site before triggering a timezone. Ideal to ensure site protection for unscheduled closures, holidays or to enforce local health and safety requirements.

## PRESENT 3

This reader based function allows authorized personnel to toggle timezones, lock & unlock doors for un-scheduled or temporary access or to arm or disarm various alarm inputs such as motion detectors etc.

## UNLIMITED NUMBER OF SITES PER DATABASE

Separate sites may be created within the System VII database creating isolation between different sites, buildings, locations, tenants or customers. Login permissions are assigned to System VII software users/administrators allowing them access to individual or multiple sites based on their privileges. Permits management of multiple sites/tenants/customers from a central location or central station. Each site is capable of supporting 32,000 card holders.

## UNLIMITED NUMBER OF PANELS AND READERS PER SYSTEM

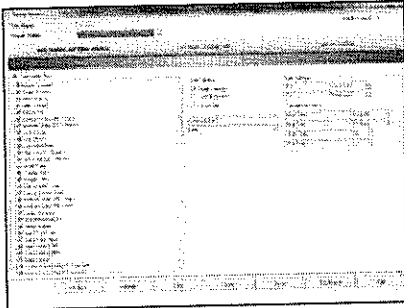
System expansion is designed into every Keyscan panel.



CONTROL MANAGEMENT SOLUTIONS

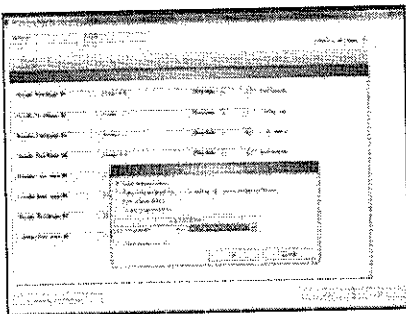


# KEYSCAN - UNMATCHED DEPENDABILITY & EXPANSION



## MANAGEMENT AND TRANSACTION REPORTS

- Point and click error proof report generation on virtually any and all site activity
- Specify the day and time for the desired report and let System VII take care of the rest
- Auto email important management reports with no user intervention required
- Save frequently used report templates
- Ideal for statistical analysis or activity investigations



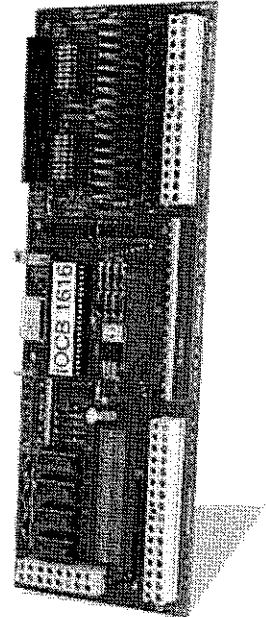
## ANTI-PASSBACK

- Prevent security loopholes by implementing card Anti-Passback (APB)
- User selectable APB modes to suit a range of security levels
- Executive access provisions exempt specified groups from the APB restrictions

## IOCB1616

- Integrate additional security and building components into the access control system with 16 inputs and 16 outputs per IOCB1616
- Connect up to four IOCB1616 circuit boards per access control unit
- Assign multiple input devices such as motion detectors, push buttons, or other sensing devices
- Trigger outputs such as CCTV cameras, alarms lights, HVAC and other systems
- Schedule activation and de-activation of selected inputs or outputs

(IOCB1616 not supported on CA200)



## KEYSCAN'S ACCESS CONTROL UNITS ACCEPT A WIDE VARIETY OF READERS AND READER TECHNOLOGIES.

**K-PROX2:** accepts all 125 kHz HID cards and key fobs and is fully licensed by HID

**K-VAN:** Vandal proof, bullet resistant 125kHz proximity reader, fully licensed by HID

**K-KPR:** Combination keypad and 125kHz proximity reader, fully licensed by HID

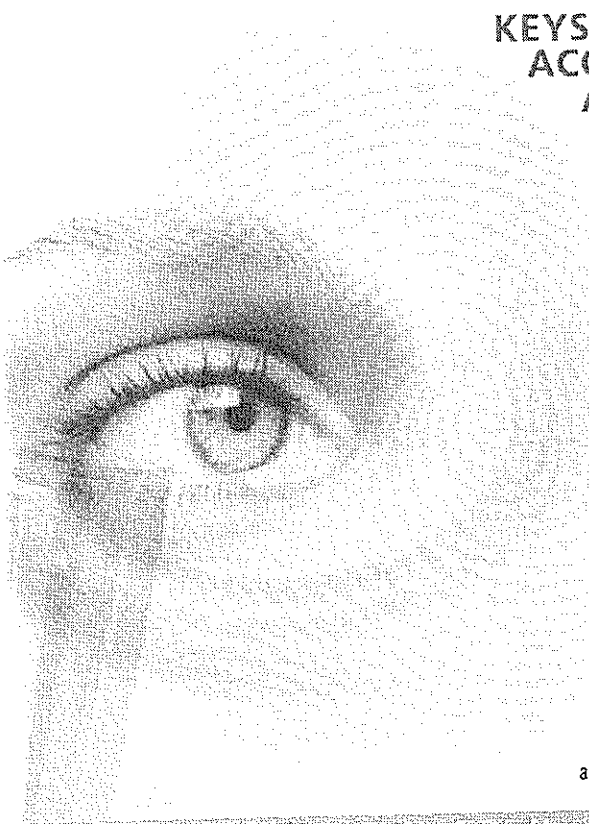
**HID iClass:** These 13.56 MHz smartcards and readers offer built-in encryption to deliver high security and integrity with the convenience of proximity. In addition to the access control application customers have the ability to use additional application areas on the card for other functions, such as cashless vending etc.

**INDALA:** Indala's 125 kHz proximity readers offer good security with very high reliability and longevity in all environments, including harsh outdoor environments

**HID 125 KHZ PROX SERIES:** These are widely available in a variety of bit structures, and are competitively priced.

**RF TRANSMITTERS:** KEYSCAN's two button and four button transmitters provide excellent convenience combined with security for parking applications. KEYSCAN builds in additional proximity functionality, so that when the driver leaves the vehicle the transmitter fob functions as a prox card on all regular indoor readers. Available in HID and Indala's 125 kHz versions

**BIOMETRIC:** there is a wide range of biometric devices available in today's ever-changing marketplace Whether it's iris, hand or fingerprint, etc. - Keyscan is ready to deliver the highest in security. Keyscan accepts all Biometric readers supporting the industry standard 26 bit Wiegand protocol



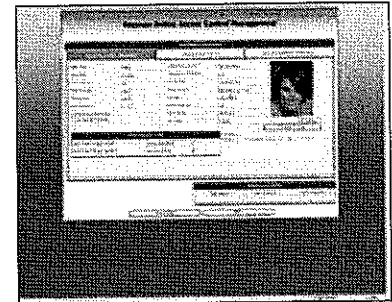
# SYSTEM VII SOFTWARE MODULES

## K-BADGE - PHOTO BADGING MODULE

System VII Photo Badging Module adds an extra layer of security. This dual purpose optional Module verifies cardholder identities with on-file images and conveniently integrates photobadging within the access control system.

## K-WEB -SYSTEM VII WEB ACCESS

System VII's K-WEB optional module provides the anytime, anywhere power of the internet to Keyscan's access control solution. This highly refined module creates a secured WEB page application to manage the Keyscan system in a truly remote environment. Manage a single site or multiple sites anywhere on the globe, WEB connectivity is all that is required. As with every Keyscan system, panels remain entirely isolated from the internet for true system integrity and security. Additionally, in the event of a WEB or network failure Keyscan panels remain fully operational with no degradation of security. Keyscan innovation at work!



K-WEB Card Holder Edit Screen

### Password login authentication

- Login name and password authentication provides enhanced K-WEB portal security
- Assignable login privileges and permissions

### Card holder management

- Includes card additions, card archiving/deleting, access privileges adjustments

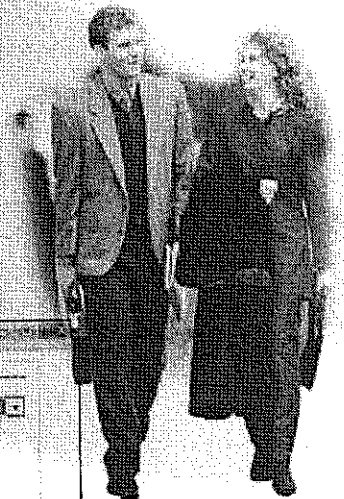
### Report generation

- Create and run custom reports with the full suite of System VII reporting options

### System Status

- Open/lock/pulse doors
- Review door status including generated door alarms.

++Refer to K-WEB installation guide for required system installation and configuration requirements.



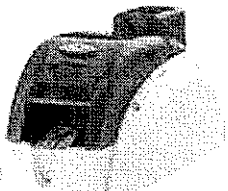
## PHOTO VERIFICATION

- Trigger card holder images to appear on-screen upon card presentation
- Compare onscreen photo to actual cardholder
- Ideal for monitoring main access points where security is critical

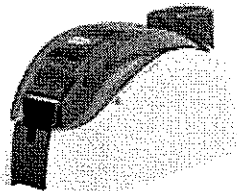
## PHOTO BADGE EDITOR

- Create corporate badges
- Import Logos and backgrounds
- Define printable fields that reference the System VII database such as first name, last name, department and much more
- Supports and prints industry standard barcode types
- Print ISO card badges with the Evolis Pebble or Dualys printer

VB-P408  
Single sided card printing



VB-P408DBL  
Double sided card printing







## SYSTEM VII - INTEGRATION SIMPLIFIED

### K-TV - CCTV INTEGRATION MODULE

This software module provides the ultimate in integrated security. The incredibly user friendly System VII interface allows for seamless integration with access control and the CCTV platform. Whether the CCTV Platform is RS232, Web-enabled or DVR driven. System VII delivers purpose and function in one clean interface.

**Alarm Video Retrieval** - Click on an alarm event and immediately view the applicable video. Respond to Alarm events knowing what awaits you.

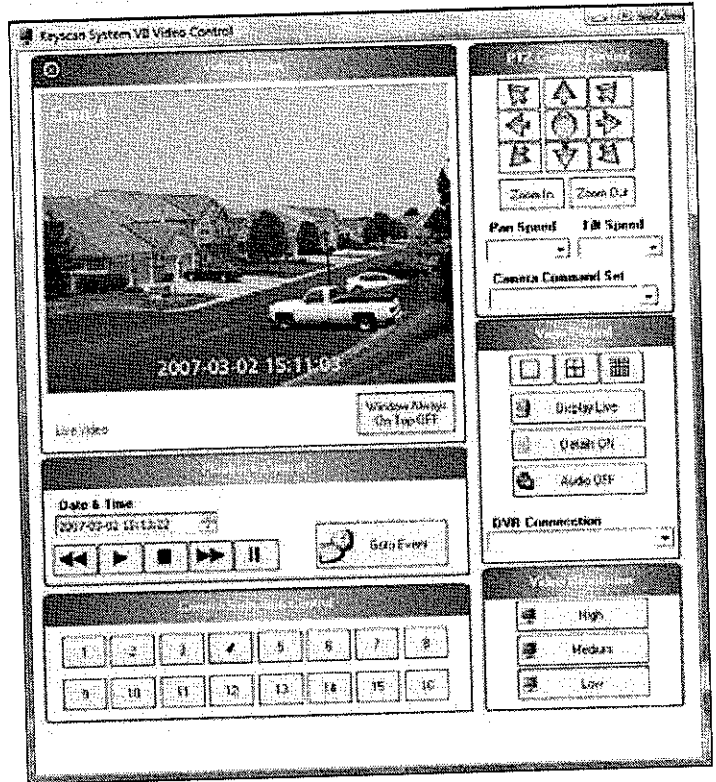
**Live Video Feed** - Run the live video feeds directly from System VII. Monitor the ongoing site activity at a glance. With the enhanced Multi-monitor functionality, have live video running on one monitor and the System VII running on another to deliver a true organization command centre.

**Historical Video Retrieval** - System VII allows you to call up old alarm events and instantly view the associated historical video. Search video by date and time. Simply select the camera and go.

**Camera Alarm Presets** - Alarm points can be set to trigger the System VII CCTV screen and force the closest camera to the alarm point using defined PTZ presets. Allowing instant viewing of an alarm point without requiring the operator to manually input PTZ commands.

**PTZ Control** - While viewing live video the operator can choose to manually adjust the PTZ controls within the System VII access control management software. One Application - Total Control.

**Multiple CCTV screens** - Monitoring multiple cameras or possibly multiple DVRs is no problem for System VII's CCTV integration module. Enjoy the ability to view multiple System VII CCTV screens open simultaneously.



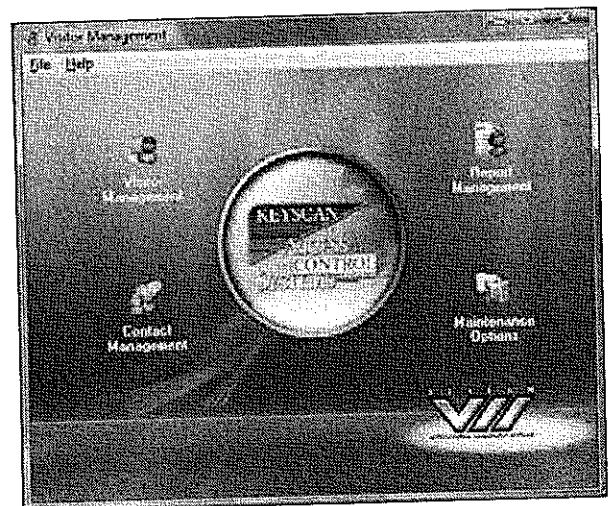
### SUPPORTED DVR'S

ATV (Falcon), Bosch (DiVAR), Capture (CPT-IDR4816), Dedicated Micros (Net Vu), GE Security (DVSa, SDVR, DVMRe), General Solutions, Honeywell (Fusion), Open Eye (DVR x series, DVR Xr Series), Pelco (DX8000, DX8100) and Toshiba (Surveillix) digital video recorders. This list is subject to change without notice as DVR manufacturers may alter specifications. Contact Keyscan to ensure availability of current DVR driver.

### K-VIS - VISITOR MANAGEMENT

Keyscan's optional System VII Visitor Module has a full range of automation features for registering and monitoring visitors.

- Schedule visits, track visitor status
- Retain historical records of visitors
- Built in email notification upon visitor arrival
- Interfaces with Keyscan's business card scanner (p/n BIZSCAN)
- Imports contact info directly from MS Outlook™
- Assigns visitor access rights



# KEYSCAN ACCESS CONTROL UNITS

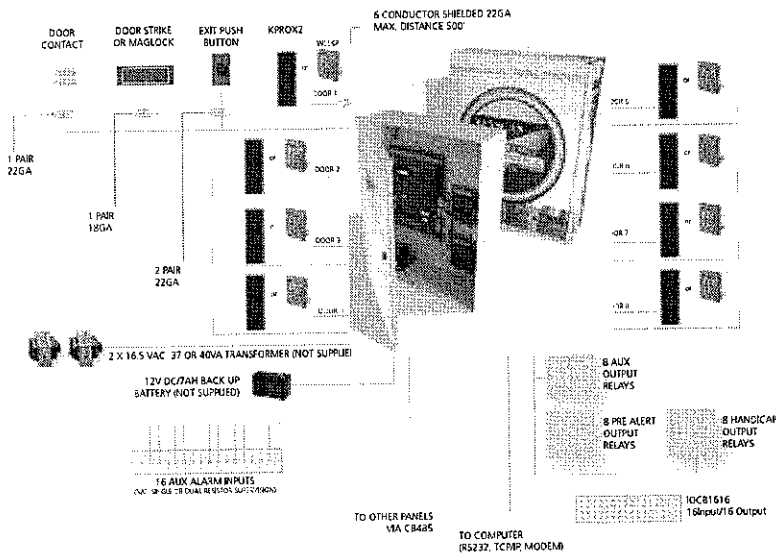
## CONTROL UNIT FEATURES

- Stores up to 32,000 cards per site with no limit on number of sites
- Create up to 511 door groups and 511 elevator groups
- Retains last 6000 transactions in activity memory buffer
- Create up to 256 time zones, 512 different schedules and 3 different holiday types
- Create up to 64 holiday dates
- Monitors door forced open and door held open alarm conditions at reader-controlled doors
- Monitors temporary cards with programmable date activation/expiration and/or usage countdown
- Door contact, RTE, and aux inputs with single or dual resistor supervision
- Unlimited remote sites via TCP/IP or dial-up modem
- Heavy-duty 10 amp relays for long life and reliability
- Large, well constructed enclosure with ample room for wiring and circuit boards
- Dual processors for enhanced system performance - panels operate during uploading and downloading of data
- Removable terminal blocks for easier installation and service
- Individual reader terminal blocks
- Mix or match access control units for optimum installation
- Simple jumper settings for most Wiegand protocols
- Programs daylight savings and standard time to change automatically
- 2 year warranty



## 2, 4 AND 8 DOOR ACCESS CONTROL UNITS

Mix and match Keyscan's line-up of access control units to optimize system design and improved system installation. From a 2 door to a 200 plus door system Keyscan Access control is designed for total scalability flexibility and reliability!



| CA 200 Access Control Unit        | CA 4000 Access Control Unit              | CA 8000 Access Control Unit              | EC1000/2000 Elevator Control Unit   |
|-----------------------------------|--|--|---|
| 2 Readers or Keypads              | 4 Readers or Keypads                     | 8 Readers or Keypads                     | 1 Elevator cab up to 40 floors (EC1000)   |
| 8 Alarm inputs (supervised)       | 16 Alarm inputs (supervised)             | 16 Alarm inputs (supervised)             | 2 Elevator cabs up to 16 floors each (EC2000)<br>2 readers or keypads for dual elevator systems |
| 2 time-programmable outputs       | 8 time-programmable outputs              | 8 time-programmable outputs              | Permits cardholder access to single or multiple floors  |
|                                   | Up to 64 programmable supervised inputs  | Up to 64 programmable supervised inputs  | *for additional floor control add OCB8's  |
|                                   | Up to 64 programmable supervised outputs | Up to 64 programmable supervised outputs |   |
| Built-in power supply for Readers | Built-in power supply for Readers        | Built-in power supply for Readers        | Built-in power supply for Readers   |

## COMPREHENSIVE FACTORY TRAINING AND WEBINARS

Keyscan offers comprehensive factory training courses and product exclusive webinars  
Visit [www.keysca.ca](http://www.keysca.ca) for specific factory training and webinar dates



CONTROL MANAGEMENT SOLUTIONS

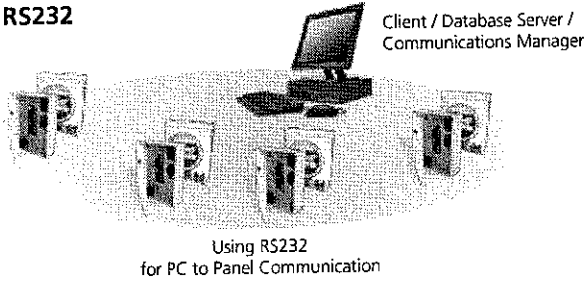


## SYSTEM VII - SCALABILITY, RELIABILITY, FLEXIBILITY.

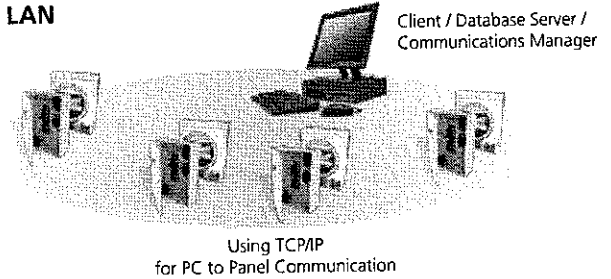
Whether installing a base Keyscan System or an enterprise wide access control solution with hundreds of doors and multiple buildings or sites, Keyscan has the solution. Limitless expansion, based on a flexible panel communications platform delivers reliable, consistent performance. In the event of a network failure, rest assured that every Keyscan access control panel has the ability to run independently with no performance degradation or security compromises.

### BASE KEYSKAN CONFIGURATION

#### RS232

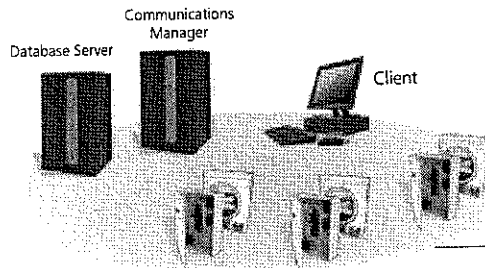


#### LAN

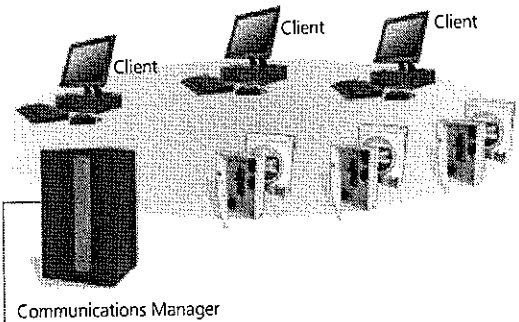


### ENTERPRISE KEYSKAN CONFIGURATION

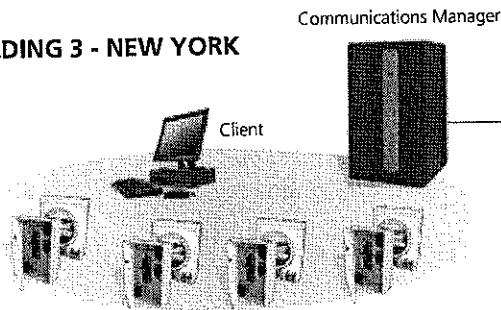
#### CORPORATE HEAD OFFICE - CHICAGO



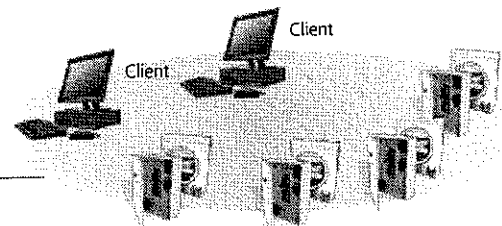
#### BUILDING 2 - LONDON



#### BUILDING 3 - NEW YORK



#### BUILDING "N" - TOKYO



WAN



### DESIGN HELP

Knowledgeable staff are always ready to assist in the most involved system design

## COMMUNICATION OPTIONS

### READER TO ACU

- Reader – 22 AWG 3 pair shielded: maximum 500 feet (152 m)
- Door Lock – 18 AWG 1 pair: maximum 500 feet (152 m) \*
- Door Contact – 22 AWG 1 pair: maximum 1000 feet (304.8 m) \*
- Request to Exit (RTE) – 22 AWG 3 pair: maximum 1000 feet (304.8 m) \*

### Optional communication extenders

- \*WIEEX extends distance by 4000' on twisted pair
- \*CWIEEX extends distance by 500' on Coax cable

### ACU TO ACU

#### Option A - CB485

Parallel -22AWG / 4 conductor (CAT5) @ 56K baud: maximum 2000 feet (609m) between ACUs

#### Option B - CPB-10

Parallel or star – 22 AWG / 4 conductor shielded @19,200 baud: maximum 2000 feet (609 m)

### ACU TO PC OPTIONS

- 1 Serial RS-232 – 22 AWG / 5 conductor shielded: maximum 100 feet (30.5 m)
- 2 Commex, RS-485, – 22 AWG 2 pair twisted CAT5: maximum 4000 feet (1219.2 m)
- 3 LAN/WAN (TCP/IP) NETCOM 2 or NETCOM 6 (encrypted)
- 4 Dial-up Modem
- 5 USB-SER – RS232/RS485 to USB Adaptor

## OPERATING SYSTEMS

Microsoft Vista™ Business, Windows 2000™, Windows 2000 Server™, XP Professional™, Windows 2003 Server™

\*\*Consult Keyscan for Microsoft Vista Business service pack compatibility level.

## PC SPECIFICATIONS

Faster processors and higher RAM provide better system performance. For large multi-site systems, please contact Keyscan for proper PC requirements. The following outlines minimum system requirements:

- Central Processor Unit: Pentium D or later\*
- RAM: 1GB or greater
- Hard Disk: 20GB available space or greater
- USB Port for photo badging and signature capture
- Com Port: 1 required if direct connect to control units, 2 required if using CCTV control
- CD-ROM or DVD Drive (reader/writer)
- Mouse or compatible pointing device
- Network Interface card (NIC) with TCP/IP protocol and a valid, active, static IP Address
- Graphic Card supporting 1024x768 or higher screen resolution
- Microsoft Internet Explorer 6.0 SP1 or later

\*Celeron Processors are not recommended

## CONTROL UNIT TECHNICAL SPECIFICATIONS

### OPERATING VOLTAGES

Input transformers: 16 VAC, 37-40 VA Class II  
Internal Power Supply: 13.5 VDC @ 1.2 amps  
Battery Backup: 12VDC 7 Amp/Hr.

### OPERATING ENVIRONMENT

32° to 120° F 0° to 49° C, Humidity: 0% to 90% R.H., non-condensing

### RELAY OUTPUTS

Form C contacts, 10 Amps Max. 24 VAC or 32 VDC

### COMMUNICATIONS

RS485 with CB-485  
Dial-up with CB-485M  
TCP/IP with NETCOM2 or CB485 with NETCOM2P  
EIA/TIA 562 with CPB-10

### ENCLOSURE

Single locking box CEMA / NEMA Type 1  
Dimensions: 20 1/4" (51.4cm) H x 16 3/8" (41.6cm) W x 5 5/8" (14.3cm) D  
Net Weight: 15.8 lbs (7.2kg)

### READER TECHNOLOGIES

- Proximity
- Contactless Smart Card
- iClass
- Radio Frequency (wireless parking applications)
- Biometrics
- Bar Code
- Mag Stripe

## ORDERING OPTIONS

### SYSTEM VII

- Premium access control management software complete with 2 concurrent clients

### K-BADGE

- Photo badging & Verification license

### K-TV

- CCTV module license to enable CCTV & Video control

### K-CL

- Client license for one additional concurrent user

### K-VIS

- Visitor management module for integration with System VII access control management software

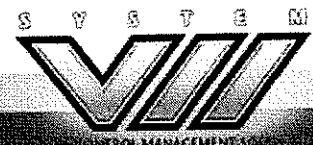
### K-CM

- Security Command module license

### K-WEB

- System VII WEB Access internet based system management module

\*Refer to K-WEB installation guide for installation and configuration requirements





## OVERVIEW OF THE FEATURES IN EVERY KEYSKAN SYSTEM

| PANEL NAME                                    | CA 200 | CA 4000 | CA 8000 | EC 1000   | EC 2000   |
|---|--------|---------|---------|-----------|-----------|
| DOOR OUTPUT RELAYS                            | 2      | 4       | 8       | NA        | NA        |
| CARDS   | 32000  | 32000   | 32000   | 32000     | 32000     |
| TRANSACTION FILE BUFFER                       | 6000   | 6000    | 6000    | 6000      | 6000      |
| TIME ZONES                                    | 256    | 256     | 256     | 256       | 256       |
| TIME SCHEDULES                                | 512    | 512     | 512     | 512       | 512       |
| GROUP LEVELS                                  | 511    | 511     | 511     | 511       | 511       |
| HOLIDAY DATES                                 | 64     | 64      | 64      | 64        | 64        |
| VISITOR CARD                                  | YES    | YES     | YES     | YES       | YES       |
| READERS                                       | 2      | 4       | 8       | 1         | 2         |
| KEYPADS                                       | 2      | 4       | 8       | 1         | 2         |
| READER DOOR INPUTS (Supervised)               | 2      | 4       | 8       | NA        | NA        |
| EXIT BUTTON INPUTS (Supervised)               | 2      | 4       | 8       | NA        | NA        |
| ALARM OUTPUT RELAYS                           | 2      | 4       | 8       | NA        | NA        |
| AUXILIARY INPUTS (Supervised)                 | 8      | 16      | 16      | NA        | NA        |
| SUPERVISED INPUTS (OPTIONAL)                  | NA     | 64      | 64      | NA        | NA        |
| IOCB 1616 SUPERVISED INPUT/OUTPUTS (Optional) | NA     | 16-64   | 16-64   | NA        | NA        |
| POWER FAIL OUTPUT                             | YES    | YES     | YES     | NA        | NA        |
| ELEVATOR CONTROL                              | NA     | NA      | NA      | 1x40 Flrs | 2x16 Flrs |
| FLOOR MONITOR INPUTS (Supervised)             | NA     | NA      | NA      | YES       | YES       |
| CONTROL PROCESSORS                            | 2      | 2       | 2       | 2         | 2         |
| MANUAL RELAY OVERRIDE                         | YES    | YES     | YES     | YES       | YES       |
| INDIVIDUAL TIME ZONES PER DOOR/READER         | YES    | YES     | YES     | NA        | NA        |
| INDIVIDUAL TIME ZONES PER FLOOR               | NA     | NA      | NA      | YES       | YES       |
| DIAL-UP MODEM ON REMOTE ALARM                 | YES    | YES     | YES     | NA        | NA        |
| TIME ZONE CONTROL ON KEYPAD/READER USE        | YES    | YES     | YES     | NO        | NO        |
| MULTI SITE CARD WITH BATCH/FACILITY CODE      | YES    | YES     | YES     | YES       | YES       |
| SERIAL COMMUNICATION                          | YES    | YES     | YES     | YES       | YES       |
| DIAL-UP COMMUNICATION (OPTIONAL)              | YES    | YES     | YES     | YES       | YES       |
| LAN/WAN COMMUNICATION (OPTIONAL)              | YES    | YES     | YES     | YES       | YES       |
| ADD ON SUPPRESSOR KIT REQUIRED                | NO     | NO      | NO      | NO        | NO        |

KEYSCAN'S INTEGRATION AND DYNAMICS ALLOWS COMPANIES TO START WITH A SMALL SYSTEM AND GROW TO A FULL NETWORK OF SECURITY AND BUILDING MANAGEMENT.

### Keyscan Inc.

901 Burns Street East, Whitby, ON Canada L1N 6A6  
 Phone: +1 905.430.7226 Fax: +1 905.430.7275  
 Toll Free: +1 888-KEYSCAN (539.7226)  
 Web Site: [www.keyscan.ca](http://www.keyscan.ca)

KEY 2008-05

### Keyscan Inc. LR110441 Complies to:

UL STD 294 Access Control System Units  
 CSA STD C22.2 0.4-M1982 Bonding and Grounding of electrical equipment  
 CSA STD C22.2 205-M1983 Signal Equipment  
 CE



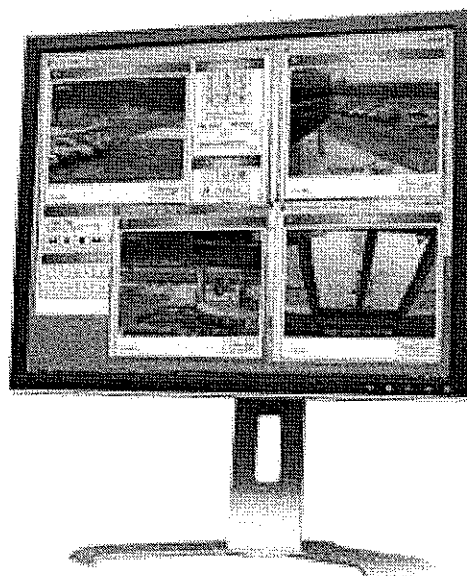


# CCTV Module

K-TV

Keyscan's CCTV module - K-TV - integrates with most RS232 camera systems, with select DVRs, listed below, and IP addressable cameras

- Multiple CCTV windows available with multi-monitor capability
- Monitor multiple video feeds and use on-screen camera commands to zero in on a subject of concern
- Fast retrieval of recorded CCTV images captured during a system triggered event such as a forced entry
- Conveniently switch from the alarm monitoring screen to the live video screen in the click of a mouse
- Automate cameras to record an alarm event so security personnel see what's happening and where it's happening
- Combined with Keyscan's optional K-BADGE module, compare a cardholder's on-file image to a live video image at any reader controlled access point that is equipped with a CCTV camera



Keyscan (K-DVR), Bosch \*\*\*, Dedicated Micros (Net Vu), Exacq, Honeywell (Fusion), Integral \*\*\*, Open Eye \*\*\*, Pelco (DX8000, DX8100 and Endura), and Toshiba (Surveillix) digital video recorders.

\*\*\* Limited model support. Contact Keyscan for details.



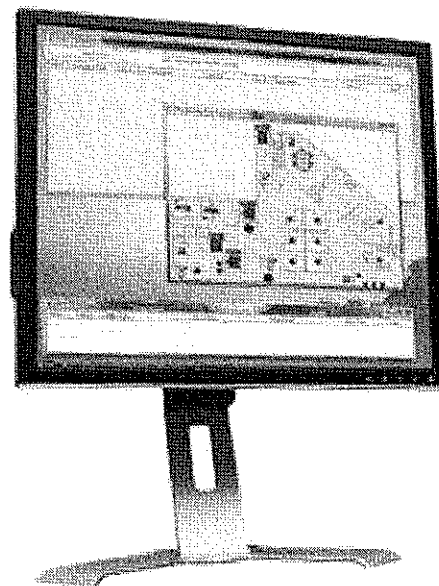


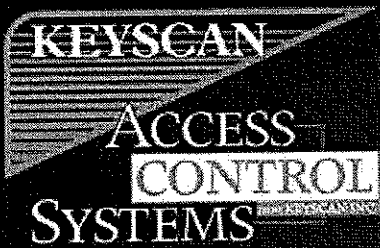
# Security Command Module

K-CM

Keyscan's Security Command Module - the multi-faceted, dedicated monitoring application designed to let security personnel carry out their tasks systematically and efficiently.

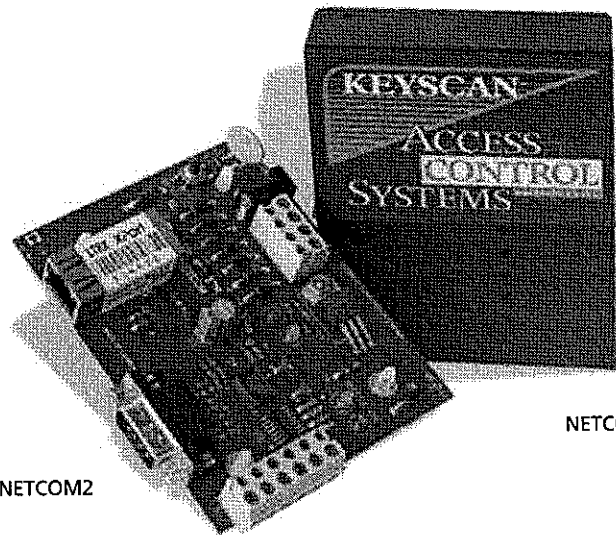
- Fully integrates with Keyscan System VII
- Displays multiple monitoring windows with each window capable of filtering user-specified site activity
- Displays an image of active cardholders at each site with the "show photos" feature
- Monitors multiple sites simultaneously even in different time zones
- Configures alarm warnings to indicate their level of importance
- Control and view floor plans on the system monitor
- Trigger dynamic floor plans to open instantly with a flashing icon pinpointing the location of the tripped alarm
- Formats security tours using door readers or inputs with timed intervals between each point in the itinerary
- Summarizes the results of all security tours for historical records and management audits
- Create "Active Maps" enunciated in real-time; door status, alarm points, input status and more
- Manually lock / unlock doors or arm / disarm alarm points
- Click on camera icons to open live video feeds





# NETCOM2 & NETCOM2H

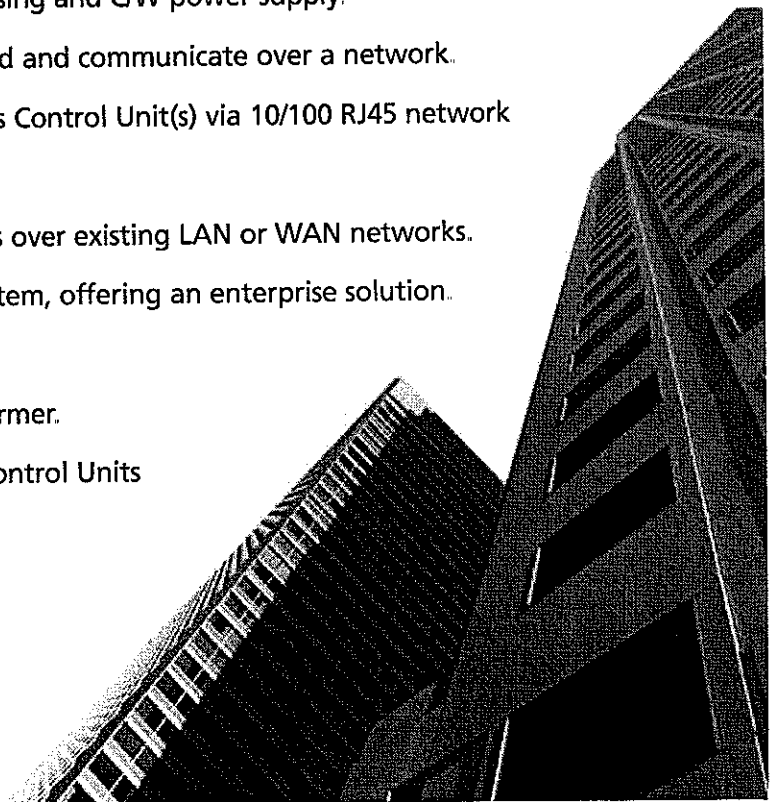
## RS232 TCP/IP CONVERTER



NETCOM2

NETCOM2H

- Keyscan's NETCOM2 is for 10/100 Ethernet/Fast Ethernet applications.
- Keyscan's NETCOM2H is an external version in a housing and CW power supply.
- Enables Keyscan Access Control Units to be connected and communicate over a network.
- NETCOM2 provides serial connection from the Access Control Unit(s) via 10/100 RJ45 network interface to communicate with the PC.
- Uses static TCP/IP addresses to allow communications over existing LAN or WAN networks.
- Unlimited remote NETCOM2's can be added to a system, offering an enterprise solution.
- NETCOM2 Powered from ACU 12VDC with Battery.
- NETCOM2H powered from provided 12V DC transformer.
- Fast, easy, trouble-free installation to place Access Control Units on a network.





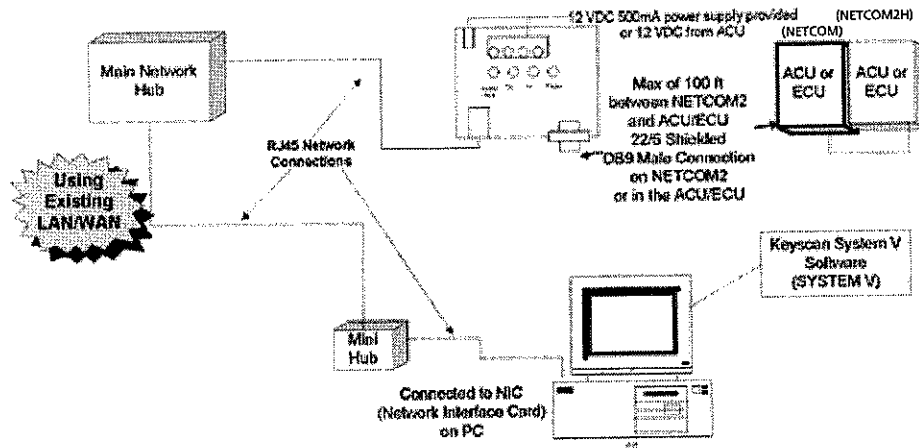
# NETCOM2 & NETCOM2H

## RS232 TCP/IP CONVERTER

### FEATURES AND BENEFITS

- Allows one or more Access Control Units to communicate on a LAN/WAN.
- Fast easy installation for the Access Control Unit (ACU).
- Configuration for the NETCOM2 simplified with Keyscan's software interface
- Static TCP/IP communication protocol between the PC NIC (Network Interface Card) and Access Control Unit(s) (NETCOM2).
- Requires Static IP addresses for proper operation
- Save Modem Line costs for controlling Remote Locations using existing LAN/WAN's.
- The NETCOM2 can be installed inside the ACU and wired directly to the ACU with the RJ45 Network Connection or located by the Network Hub and be wired up to 100' from the ACU.
- The NETCOM2H comes complete with a housing and power supply for external Network connections.
- Simplifies both installation and maintenance procedures.

### APPLICATIONS



### SPECIFICATIONS

#### NETCOM2 Requirements:

Input power: 10.2 to 32 VDC, 210 mA

NETCOM2 Powered by Access Control Unit  
NETCOM2H power supply included

#### Cable Maximums:

ACU/ECU to NETCOM2 – 100 ft (22 AWG 3 pair shielded)

NETCOM2 to PC – Existing LAN or WAN (static TCP/IP Protocol)

**Agency Approvals:** complies with Class B limits of EN 55022:1998

Direct & Indirect ESD - complies with EN55024:1998

#### Dimensions:

3.031" x 3.896" (77mm x 99mm)

With Housing: 3.85" x 4.5" (97.85mm x 114.3mm)

#### Environmental Tolerances:

Suitable for commercial and industrial applications.

Operating Temperature: -20° to 71° C (-4° to 158° F)

Storage Temperature: -20° to 85° C (-4° to 158° F)

#### KEYSCAN INC.

901 Burns Street East

Whitby, Ontario Canada L1N 6A6

Tel: 905 430 7226 Toll Free: 1 888 539 7226 Fax: 905 430 7275

Web: www.keyscaan.ca

Want more information? Contact your local representative at:

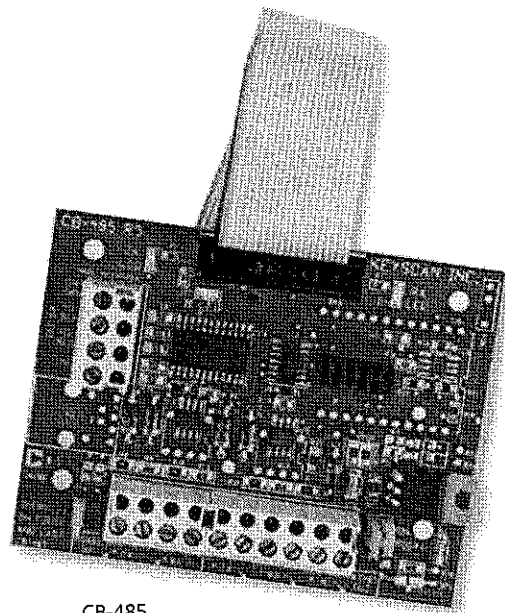


# CB-485 / NETCOM2P / CB-485M

RS-485 Communication Board

## CB-485

- Establishes RS-485 communication between multiple access control units (ACU) and the PC
- Reliable PC to ACU communication
- Enhanced communication speed
- Increases maximum wiring distance on ACU communication loop
- Easily connects to ACU via ribbon cable
- Mounts directly in ACU enclosure
- Uses two twisted pairs on CAT5 cable



CB-485

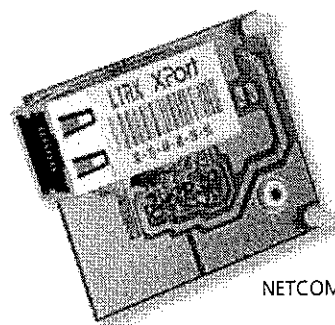
## Optional CB-485 configuration with NETCOM2P

(Network TCP/IP module)

- NETCOM2P plugs into socket on CB-485
- Delivers multiple ACU communication to PC over a LAN/WAN (TCP/IP)
- Suitable for 10/100 Ethernet/Fast Ethernet applications
- Uses static IP address

## CB-485M

- CB-485M expands system capability with built-in dial up modem to link remote sites
- Designed specifically for Keyscan access control units
- Uses standard analog phone line
- Pre-loaded setup parameters
- Mounts directly in ACU enclosure
- Only one CB-485M required for multiple ACUs on same communication loop



NETCOM2P

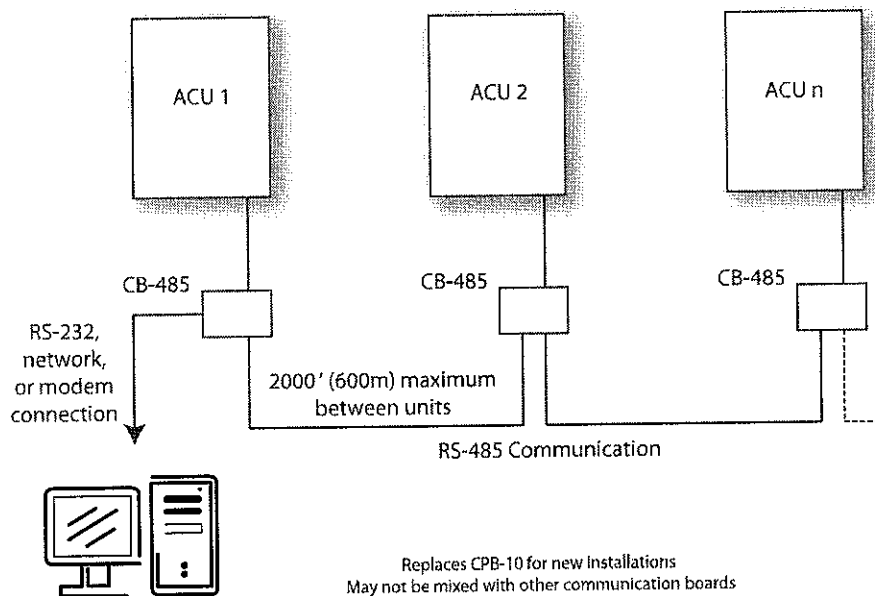
# CB-485 / NETCOM2P / CB-485M

## RS-485 Communication Board

### FEATURES AND BENEFITS

- Maximum distance of up to 2000 feet (600m) between ACUs
- Cost effective and ease of connection between panels using CAT5
- Can communicate to PC using direct connect, or with optional NETCOM2P module (TCP/IP), or with CB-485M (modem)

### APPLICATIONS



### SPECIFICATIONS

#### Power

5VDC from ACU  
CB-485 - 110 mA, CB-485M - 360 mA, CB-485 with NETCOM2P - 250mA

#### Baud Rates

up to 57,600 (CB-485 only)

#### Cable

CB-485 to CB-485 - CAT5, 4 conductor  
CB-485M to CB-485 - CAT5, 6 conductor  
RS-485 Full Duplex communication

Maximum distance between two access control units - 2000 feet (600m)

CB-485 boards must be daisy chained (parallel) to each other  
ACU-PC - 100 feet max (30m)

#### Dimensions

CB-485 3 5/8" x 2" (9.0 cm x 6.9 cm)

#### Environmental Tolerances

Suitable for commercial and industrial applications  
Relative Humidity: 0% to 90% R.H., non-condensing  
Operating Temperatures: -20° to 71° C (-4° to 160° F)  
Storage Temperatures: -20° to 85° C (-4° to 185° F)

#### KEYSCAN INC.

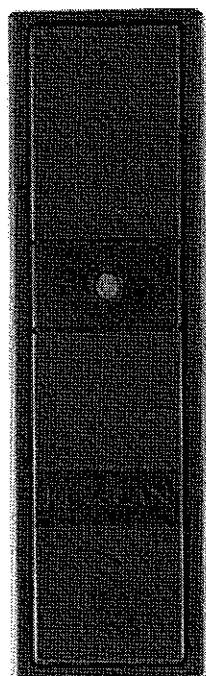
901 Burns Street East

Whitby, Ontario L1N 6A6

Phone: 905.430.7226 Toll Free: 1.888.539.7226 Fax: 905.430.7275

www.keyscan.ca

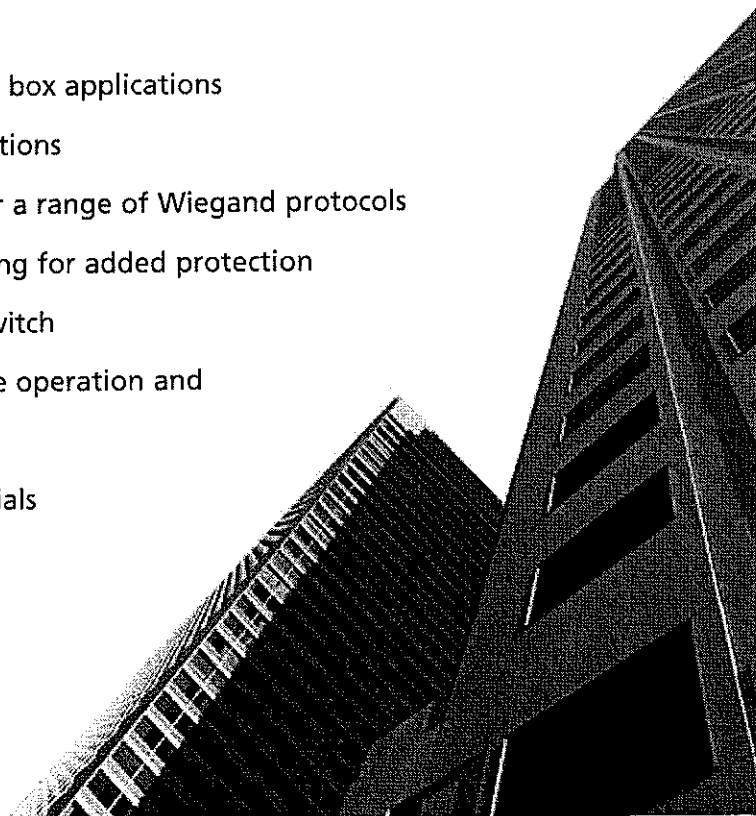
Want more information? Contact your local representative at:



K-PROX2



- Simple 2 in 1 unit; mullion or single gang electrical box applications
- Discard removable switch plate for mullion installations
- Compatible with HID proximity cards and tags over a range of Wiegand protocols
- Electronics secured in tamper-resistant epoxy potting for added protection
- Install on any surface including single gang wall switch
- Durable, weather-resistant construction for reliable operation and long usage even in harsh environments
- Limited lifetime warranty against defects in materials and workmanship



## Features and Benefits

- Uses proven digital radio frequency identification technology
- Includes ABS wall witch plate
- HID compatible over a wide range of Wiegand protocols
- Designed for indoor and outdoor environments
- Unique and versatile design for easy installation

## Specifications

### Size

- Mullion - 4.5" (11.43 cm) x 1.5" (3.8 cm) x 0.62" (1.6 cm)
- Switch Plate - 4.5" (11.43 cm) x 3" (7.62 cm) x 0.62" (1.6 cm)

### Read Range

- Off metal - up to 6" (15.2 cm)
- On metal - up to 4" (10.2 cm)

### Input Voltage

- 12VDC at reader

### Typical Current Draw

- Nominal draw is 40 mA
- Maximum draw is 80 mA during card read

### Operating Temperature

- - 40° C to 65° C (- 40° F to 149° F)

### Cable Distance

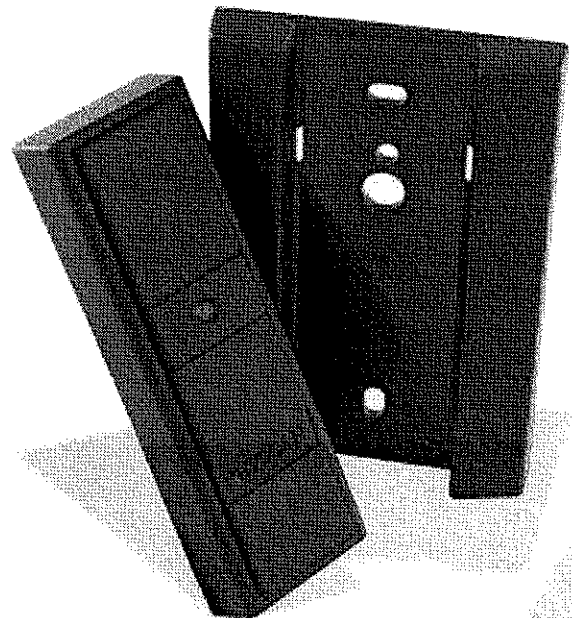
- 12" wire pigtail standard
- Wiegand interface 500 feet (152 metres)  
6 conductor shielded 22 AWG

### Indoor/Outdoor Design

- Secured in a rugged, tamper-resistant epoxy potting designed to withstand harsh weather conditions
- Easily installed in any location

### Certifications

- IC (Industry Canada), FCC, CE



K-PROX2

### KEYSCAN INC.

901 Burns Street East  
Whitby, Ontario, Canada L1N 6A6  
Telephone: 905-430-7226 Facsimile: 905-430-7275  
Toll Free: 1-888-539-7226 (Canada/USA)  
Web: [www.keysca.ca](http://www.keysca.ca)

Want more information? Contact your local representative at:

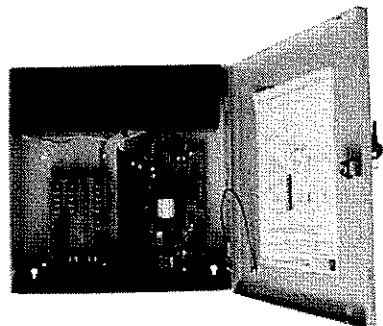
# AL600LM(R) Multi-Output Access Control Power Supply/Charger

Rev. DSAL600ULM - L05F



## Overview

• These multi-output access control power supply/chargers are specifically designed for use with access control systems and accessories. These units convert a 115VAC / 60Hz input into five (5) individually protected Class 2 Rated power limited 12VDC or 24VDC outputs (see specifications). Each output will route power to a variety of access control hardware devices including Mag Locks, Electric Strikes, Magnetic Door Holders, etc. These outputs will operate in both Fail-Safe and Fail-Secure modes. Controlled trigger input is achieved through normally open (N.O.) or normally closed (N.C.) supervised input or the polarity reversal from an FACP (Fire Alarm Control Panel). A form "C" dry output relay enables HVAC Shutdown, Elevator Recall or may be used to trigger auxiliary devices.



AL600LM  
• Grey enclosure.

AL600LMR  
• Red enclosure

## Specifications

- Automatic switch over to stand-by battery when AC fails (zero voltage drop).
- AC fail supervision (form "C" contacts)
- Low battery supervision (form "C" contacts)
- Battery presence supervision (form "C" contacts)
- AC input and DC output LED indicators (power supply board)
- Red LEDs indicate condition of power outputs (multi-output board)
- Power & input trigger LEDs (multi-output board)
- Enclosure:
  - Combination knockouts re 1/2" and 3/4"
  - Accommodates up to two (2) 12VDC/7AH batteries
- Product weight:
  - AL600ULM: 8.0 lbs.
  - AL600ULMR: 8.4 lbs.
- Shipping weight:
  - AL600ULM: 8.9 lbs.
  - AL600ULMR: 9.3 lbs.

- 12VDC or 24VDC selectable output
- 6 amp supply current
- Five (5) individual Class 2 Rated power limited outputs rated @ 2.5 amp.
- Current limit is 12VDC or 24VDC @ 2 amp per output
- Input 115VAC / 60Hz, 1.45 amp.
- Input fuse rated @ 3.5 amp/250V
- Fire Alarm Panel or Access Control System trigger inputs N.O. or N.C. supervised trigger input and polarity reversal trigger input
- Output relay energizes when unit is triggered (form "C" contact rated 1 amp @ 28VDC)
- Filtered and electronically regulated output
- Short circuit and thermal overload protection
- Built-in charger for sealed lead acid or gel type batteries
- Maximum charge current .7 amp

## Agency Approvals

**MEA** MBEA - NYC Department of Buildings Approved

CSFM - California State Fire Marshal Approved



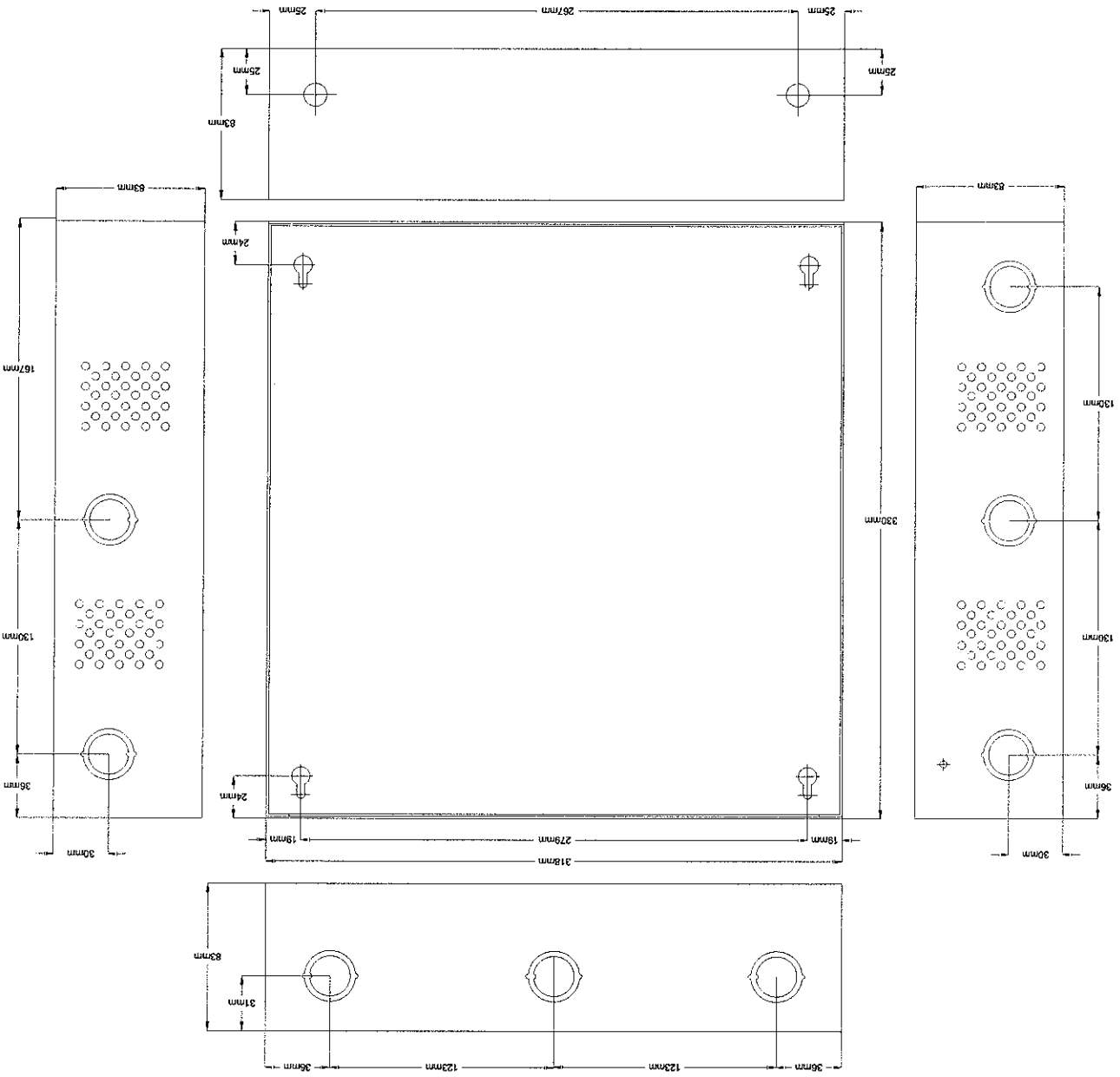
UL Listed for Access Control Systems Units (UL 294)

UL Listed Standard for Safety for Fire Protective Signaling Systems (UL 1481)

CUL Listed - CSA Standard C22.2 No. 205-M1983 Signal Equipment



**Enclosure Dimensions**  
 13.5"H x 13"W x 3.25"D

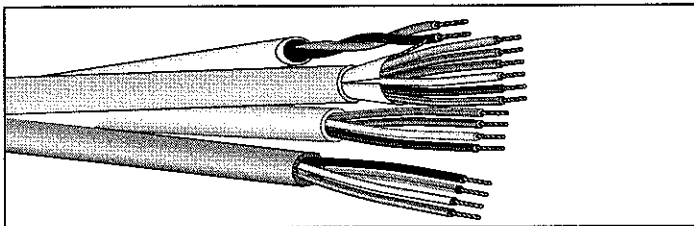


LS251822

# PLENUM ACCESS CONTROL

## COMPOSITE CABLE

Rev. 1.1/04



### Electrical Characteristics: Door Contact Cable

- Nom. D.C.R. : 17 Ω/1000 ft
- Nom. D.C.R. : 17 Ω/1000 ft

### Electrical Characteristics: Reader Cable

- Nominal Capacitance: \*55pf/ft (180pf/m) \*\* 99pf/ft (325pf/m)
- Nom. D.C.R. : 17 Ω/1000 ft

### Electrical Characteristics: Lock Power Cable

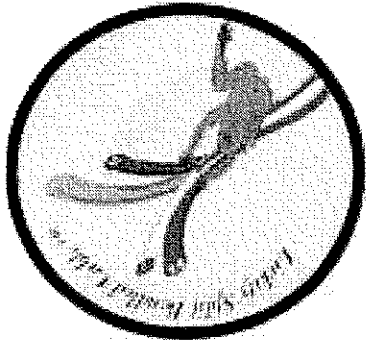
- Nom. D.C.R. : 6.2 Ω/1000 ft
- \* Capacitance between conductors
- \*\* Capacitance between one conductor and the other to the shield

### Color Code:

- Individual Jackets:
- 1. Door Contact Cable: White
  - 2. Request to Exit Cable: Blue
  - 3. Reader Cable: Orange
  - 4. Lock Power Cable: Gray

### Conductors: All Cables

- 1. Black, 2. Red, 3. White, 4. Green, 5. Brown, 6. Blue
- Lickity Split Design:** Cables bonded together in interval lengths. Approximately 4-6 inches



### Description:

- Composite Cable Consisting of:
  - 1- (25221B) Door Contact Cable
  - 2 Conductor 22Awg (7x30) Bare Copper
  - Unshielded Construction
  - Flexible Plenum Jacket Nom. O.D. (110") 2.79 mm

- 1- (25241B) Request to Exit Cable
  - 4 Conductor 22Awg (7x30) Bare Copper
  - Unshielded Construction
  - Flexible Plenum Jacket Nom. O.D. (148") 3.76 mm

- 1- (253270B) Access Control Card Reader Cable
  - 6 Conductor 22Awg (7x30) Bare Copper
  - Overall Shield 100% Coverage
  - Flexible Plenum Jacket Nom. O.D. (182") 4.62 mm

- 1- (25244B) Lock Power Cable
  - 4 Conductor 18Awg (7x26) Bare Copper
  - Unshielded Construction
  - Flexible Plenum Jacket Nom. O.D. (189") 4.80 mm

### Overall Cable Diameter:

- .410 inch

### Applications:

- Access Control Systems Plenum

### Rating:

- UL or (UL) listed NEC type CMP as defined in Article 800
- Constructed in accordance with UL Standard 444
- Complies with UL 910 Steiner Tunnel Test
- Meets 300 volt requirement as specified in Article 800 of the NEC



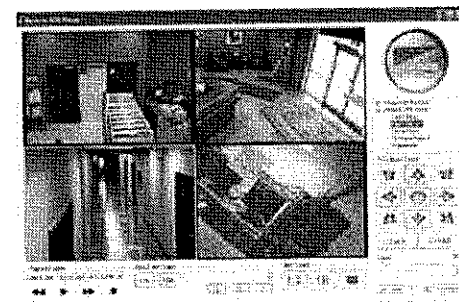
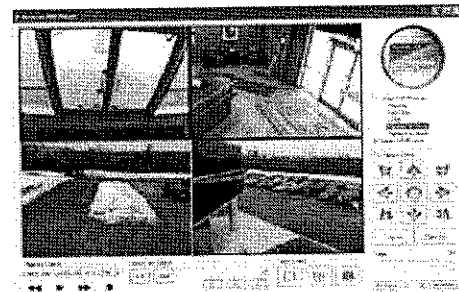
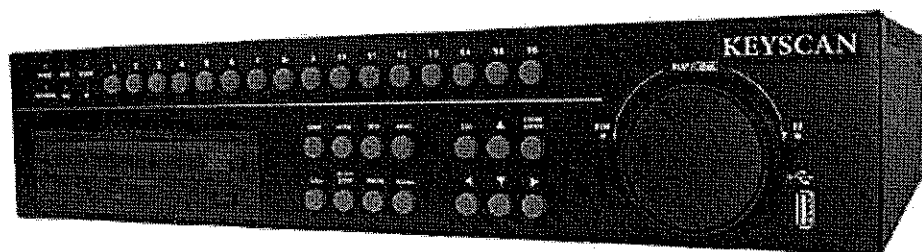
2833 West Chestnut Street  
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 Phone 800-245-4964 • Fax 724-222-6420  
 www.westpenn-cdt.com



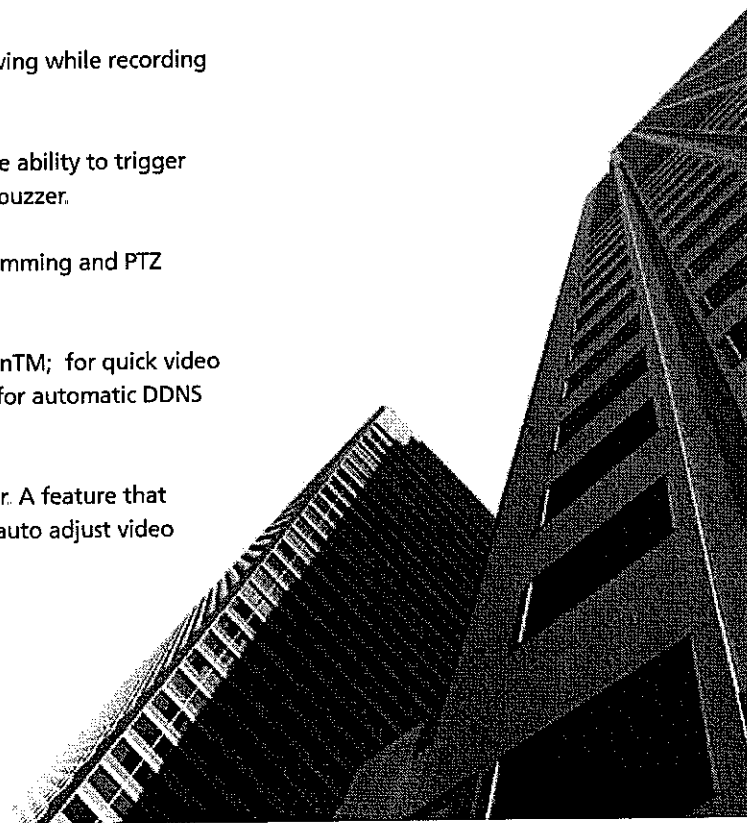


# K-DVR

## Keyscan Hybrid 16ch DVR



- Provides 16 channels with the flexibility to support up to 4 IP cameras
- Equipped with an impressive 1 terabyte of in unit storage.
- Equipped with standard equipment that allows for a whopping 480 PPS recording and real-time display
- Triplex+™ Operation permits Live, Record, Playback, Network Viewing while recording 16 channels
- K-DVR includes sophisticated Motion detection algorithms with the ability to trigger alarms using alarm relay outputs along with an on board audible buzzer.
- Mobile View™ software allows for remote viewing, K-DVR programming and PTZ control from any wireless or internet connected PDA or phone.
- Keyscan's flawless plug and play technology combined with ezBurn™; for quick video export, ezRecord™; for quick recording setting and ezDDNS™; for automatic DDNS configuration make the K-DVR both powerful and easy to use.
- Among K-DVRs list of impressive standard features is its transcoder. A feature that provides detailed local video streaming with the added ability to auto adjust video streaming rates for remote sites.

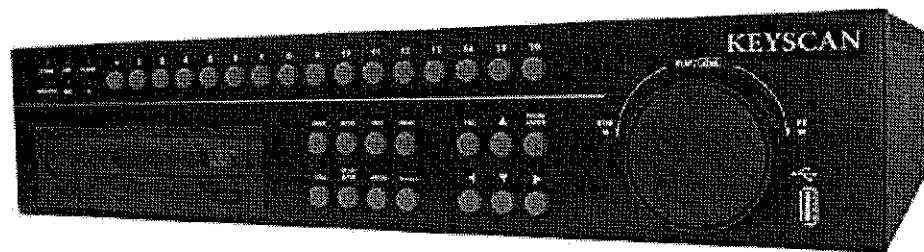


# K-DVR

## Keyscan Hybrid 16ch DVR

### FEATURES AND BENEFITS

- Worry free 'plug and play' CCTV integration with Keyscan access control systems.
- Includes a free CCTV license for integration with Keyscan Access Control Management software, Free Remote software and Free web interface software
- Hybrid analog and IP camera support provides exceptional system design flexibility
- Independent setup parameters for each channel for the ultimate in versatility



### FEATURES SUMMARY

- Triplex+ Operation: Live, Record, Playback, Network
- Supports up to 4 internal HDDs
- Dual-Main output
- Real-time recording 16ch
- Dual-codec
- Supports up to 4ch IP camera(s)
- Per channel configuration
- Supports NTP for time synchronization
- Supports Mobile View software
- Multi-language support
- Multiple built-in dome camera control protocols
- Supports WLAN, SMS
- Supports Pre-Alarm recording
- Built-in Pelco Coaxitron Protocol
- ezBurn
- ezRecord
- ezDDNS

- Resolution and Rates (NTSC)

|              |             |               |
|--------------|-------------|---------------|
| 4CIF/D1      | (720 x 480) | (Max 120 PPS) |
| 2CIF/Half-D1 | (720 x 240) | (Max 240 PPS) |
| CIF          | (360 x 240) | (Max 480 PPS) |

#### KEYSCAN INC.

901 Burns Street East

Whitby, Ontario L1N 6A6

Phone: 905.430.7226 Toll Free: 1 888.539.7226 Fax: 905.430.7275

www.keysca.ca

Want more information? Contact your local representative at:

# EasyView

Most installer friendly cameras.

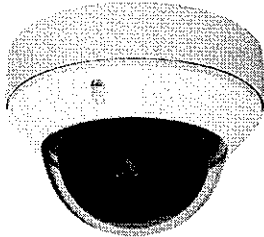
Wide Dynamic Range

VANDALPROOF DOME

## CV-W21N/P



Flush Mount



Flush Housing with Surface Mount

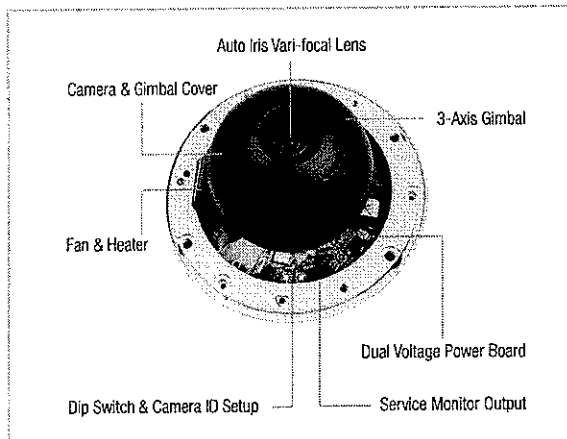
### Key Features

- 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

### Dome Inside View



### Technical Specifications

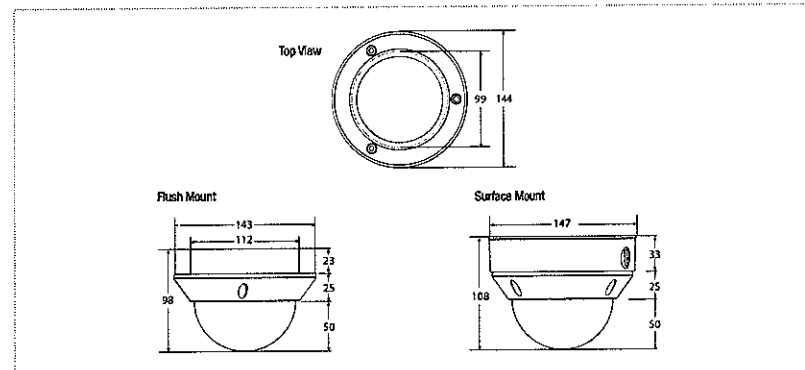
| Item                   | CV-W21N/P   |
|------------------------|---|
| Video Format           | NTSC & PAL Selectable                                   |
| Image Sensor           | 1/3" CMOS   |
| Sync System            | Internal  |
| Effective Pixels       | 720(H) x 540(V)   |
| Scanning system        | 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          | 132.1°(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)<br>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          |

### Dimensions (UNIT: mm)



**NUVICO**

Corporate Headquarters | T 866.523.1700 • 201.541.1605 • sales@nuvico.com  
International Operations | export@nuvico.com

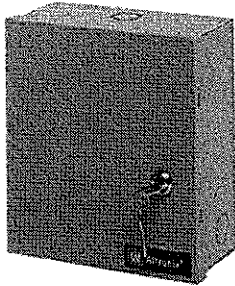
Customer Service | cs@nuvico.com  
Technical Support | techsupport@nuvico.com



# ALTV248175, ALTV248175CB AC CCTV Power Supply

Rev. DSALTV248175 - A09F

## Overview



- These Altronix AC Wall Mount CCTV Power Supplies provide provide 24VAC or 28VAC distributed via eight (8) fuse or PTC protected outputs for powering CCTV Cameras, heaters and other video accessories

### ALTV248175

- Eight (8) fuse protected outputs
- Outputs are rated @ 3.5 amp.

### ALTV248175CB

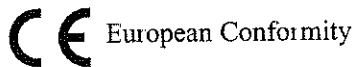
- Eight (8) PTC protected outputs
- Outputs are rated @ 2.5 amp

## Specifications

- Input 115VAC, 50/60Hz, 1.5 amp.
- 24VAC @ 7.25 amp (175VA) or 28VAC @ 6.25 amp (175VA) supply current.
- Main fuse rated @ 10 amp/250V.
- Illuminated master power switch with built-in circuit breaker.
- Surge suppression

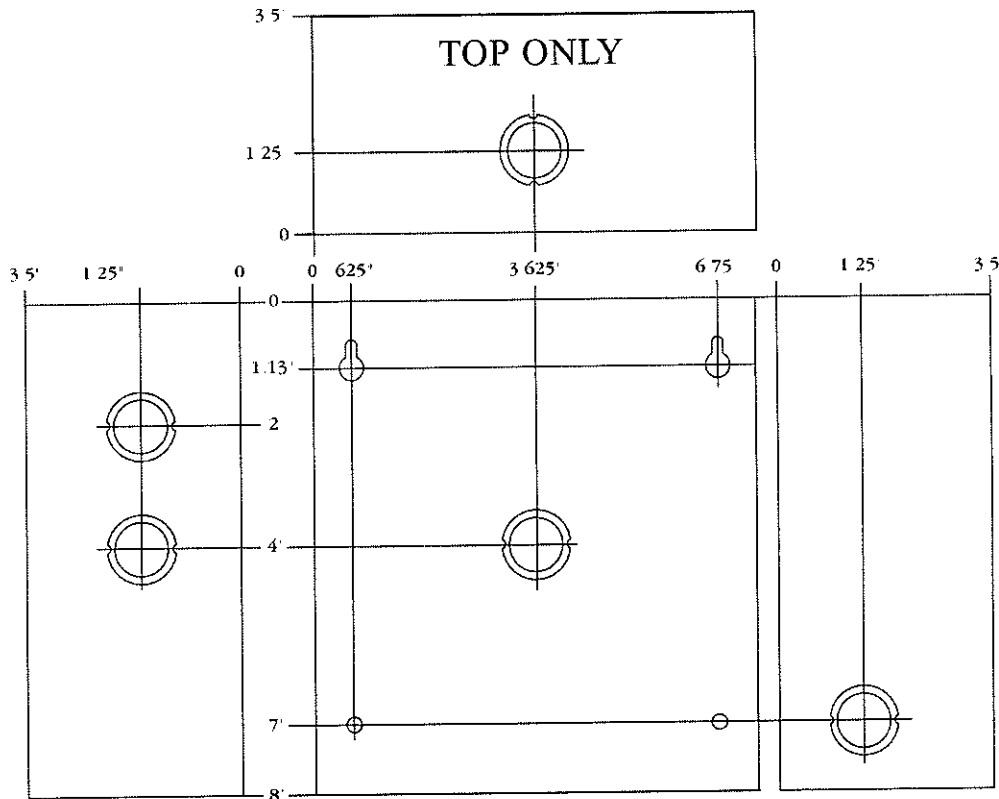
- AC power LED.
- Spare fuse(s) provided (all models w/primary and/or secondary fuses)
- Unit maintains camera synchronization
- Ease of installation saves time and eliminates costly labor

## Agency Approvals



## Enclosure Dimensions

8.5"H x 7.5"W x 3.5"D



**Technical Data Sheet**  
**RG59/U CCTV Coaxial Cable**

**WEST PENN WIRE**



2833 West Chestnut Street  
 Washington, PA 15301  
 Toll Free: (800) 245-4964  
 Fax: (724) 222-6420  
 www.westpenn-wpw.com

|                     |   |
|---------------------|---|
| <b>PART NUMBER:</b> | <b>25815</b>  |
| <b>DESCRIPTION:</b> | RG59/U 20 Awg Solid Bare Copper, 95% Bare Copper Braid and Flexible Plenum jacket                           |
| <b>NEC RATING:</b>  | CMP   |
| <b>APPROVALS:</b>   | (UL) C(UL) Listed or c(ETL)us Listed  |
| <b>APPLICATION:</b> | Indoor within ducts, plenums, and other spaces used for environmental air for (CCTV, Security Applications) |

**Construction Parameters:**

|                          |                       |
|--------------------------|-----------------------|
| Conductor                | 20 AWG Bare Copper    |
| Stranding                | Solid                 |
| Insulation Material      | Foam FEP              |
| Insulation Thickness     | .138" Nom.            |
| Shield                   | 95% Bare Copper Braid |
| Jacket Material          | Flexible Plenum       |
| Overall Cable Diameter   | 0.207" Nom.           |
| Approximate Cable Weight | 31 Lbs/1M' Nom.       |
| Flame Rating             | NFPA 262 Flame Test   |

**Electrical & Environmental Properties:**

|  |                   |
|--|-------------------|
| Temperature Rating                         | -20°C To +60°C    |
| Operating Voltage                          | 300 VRMS          |
| Max Capacitance Between Conductors @ 1 KHz | 16.2 pf/ft Nom    |
| Nom. Velocity of Propogation               | 82%               |
| Nom. Impedance                             | 75 Ohms           |
| DC Resistance per Conductor @ 20deg C      | 10 1 Ohms/1M' Nom |
| Jacket Color                               | Ivory             |
| RoHS Compliant                             | --                |

**Nom. Attenuation**

| MHz  | dB/100ft |
|------|----------|
| 1    | 30       |
| 10   | 68       |
| 50   | 1 80     |
| 100  | 2 52     |
| 400  | 5 30     |
| 700  | 7 24     |
| 1000 | 8 76     |

**Mechanical Properties:**

|                               |       |
|-------------------------------|-------|
| Max. Recommended Pull Tension | 52lbs |
| Min. Bend Radius (Install)    | 2.1"  |

**Connectors:**

|                      |              |                      |                            |
|----------------------|--------------|----------------------|----------------------------|
| BNC Type Connector   | CN-BM53-30   | (Comp Tool): IL-103  | (Stripping Tool): IL-121   |
| 75 Ohms 3pc BNC      | CN-BM73-30   | (Comp Tool): IL-104  | (Stripping Tool): IL-121   |
| Compression BNC Type | CN-BNCSNS-10 | (Comp Tool): IL-SNSA | (Stripping Tool): IL-SNSSI |
| Compression RCA Type | CN-CSRCA-59  | (Comp Tool): IL-SNSA | (Stripping Tool): IL-CSST  |

Specification Issue Date: 7/06

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Standard Lengths are 1000ft  
 The Jacket is sequentially footmarked  
 The information presented here is, to the best of our  
 knowledge, is true and accurate. However, since  
 conditions of use are beyond our control, all  
 recommendations or suggestions are presented  
 without guarantee or responsibility on our part. We  
 disclaim all liability in connection with the use of  
 information contained herein or otherwise

**Technical Data Sheet  
Plenum Communication Cables**

**WEST PENN WIRE**



2833 West Chestnut Street  
Washington, PA 15301  
Toll Free: (800) 245-4964  
Fax: (724) 222-6420  
www.westpenn-wpw.com

|                     |  |
|---------------------|--|
| <b>PART NUMBER:</b> | <b>25224B</b>  |
| <b>DESCRIPTION:</b> | 18/2 Stranded bare copper conductors, unshielded with an overall jacket  |
| <b>NEC RATING:</b>  | CMP, NEC Article 800   |
| <b>APPROVALS:</b>   | (UL) C(UL) Listed or c(ETL)us Listed   |
| <b>APPLICATION:</b> | Indoor within ducts, plenums, and other spaces used for environmental air for (Intercom Systems, Security Systems, Sound, Audio, Background Music) |

**Construction Parameters:**

|                          |                     |
|--------------------------|---------------------|
| Conductor                | 18 AWG Bare Copper  |
| Stranding                | 7x26                |
| Insulation Material      | Polymer Alloy       |
| Insulation Thickness     | 0.010" Nom.         |
| Number of Conductors     | 2                   |
| Shield                   | None                |
| Drain                    | None                |
| Jacket Material          | Flexible Plenum     |
| Jacket Thickness         | 0.015" Nom          |
| Overall Cable Diameter   | 0.138" Nom.         |
| Approximate Cable Weight | 17 Lbs/1M' Nom.     |
| Flame Rating             | NFPA 262 Flame Test |

**Electrical & Environmental Properties:**

|  |                                  |
|--|----------------------------------|
| Temperature Rating                         | -10°C To +60°C                   |
| Operating Voltage                          | 300 V RMS                        |
| Max.Capacitance Between Conductors @ 1 KHz | 30 pF/ft Nom.                    |
| DC Resistance per Conductor @ 20deg C      | 6.2 Ohms/1M' Nom.                |
| Insulation Colors                          | Black, Red                       |
| Jacket Color                               | Gray, Black, Blue, Green, Yellow |
| RoHS Compliant                             | Yes                              |

**Mechanical Properties:**

|                               |        |
|-------------------------------|--------|
| Max. Recommended Pull Tension | 42 lbs |
| Min Bend Radius (Install)     | 1 4"   |

Specification Issue Date: 7/06

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**Cold Environment Precautions:** Due to the nature of  
PVC Compounds to become non-pliable when stored  
or handled in ambient temperatures of 32 deg F or  
less, we recommend the following:

**"Prior to installation, condition the cable for at  
least 24 hours at room temperature to provide the  
best flex properties for ease of installation."**

Standard Lengths are 1000ft  
The Jacket is sequentially footmarked  
The information presented here is, to the best of our  
knowledge, is true and accurate. However, since  
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