

## **ENDURA® – EDI5000 DATA INTERFACE**

### **TECHNICAL SPECIFICATIONS**

### **SECURITY SYSTEM**

#### **DIVISION – 28 ELECTRONIC SAFETY AND SECURITY**

#### **LEVEL 1\_\_\_28 20 00 ELECTRONIC SURVEILLANCE**

#### **LEVEL 2\_\_\_28 23 00 VIDEO SURVEILLANCE**

#### **LEVEL 3\_\_\_28 23 13 VIDEO SURVEILLANCE CONTROL AND MANAGEMENT SYSTEMS**

### **PART 2 – PRODUCTS**

#### **2.01 GENERAL**

- A. All equipment and materials used shall be standard components that are regularly manufactured and used in the manufacturer's system.
- B. All systems and components shall have been thoroughly tested and proven in actual use.
- C. All systems and components shall be provided with the availability of a toll-free (U.S. and Canada), 24-hour technical assistance program (TAP) from the manufacturer. The TAP shall allow for immediate technical assistance for either the dealer/installer or the end user at no charge for as long as the product is installed.
- D. All systems and components shall be provided with a one-day turnaround repair express and 24-hour parts replacement. The repair and parts express shall be guaranteed by the manufacturer on warranty and nonwarranty items.
- E. The Endura® data interface shall be installed by an Endura certified dealer/integrator. Certification for installation shall be conducted by the manufacturer and shall provide all necessary knowledge to fulfill the systemization and deployment across diverse networks and infrastructures, as well as provide commissioning abilities at the integrator level.

#### **2.02 ENDURA DATA INTERFACE**

- A. The Endura data interface shall be fully Endura compatible. It shall be one component of an Endura network system.
- B. The data interface shall provide an interface between Endura systems and selected devices (such as non-Pelco matrix systems).
- C. The data interface shall allow security personnel to integrate Endura viewing and recording components with existing devices.
- D. The data interface shall be operated by either a 12 VDC or a 24 VAC power source.
- E. The data interface shall allow the operator to gain access providing viewing and control to any and all digital cameras, and recorded video through the device connected.
- F. The Endura data interface shall allow for serial data communication between an American Dynamics™ matrix system and the Endura video and recording system. The Endura data interface provides the operator the ability to use a matrix keyboard to view and control video from their existing matrix system and the Endura system cameras and recorders, including live and recorded networked video.
- G. The data interface shall meet or exceed the following design and performance specifications.



**2.03 POWER SPECIFICATIONS**

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|---------------------------|--------------------------------|
| A. Power Consumption      | 6W, 0.50A, 20 BTU/H            |
| B. Power Input            | 12 VDC or 24 VAC               |
| C. Power Connectors       |                                |
| 1. 4-Pin                  | For RK5100UPS-5U or NET5301PS  |
| 2. 4-Pin to 2-Pin Adapter | For user-supplied power supply |

**2.04 ENVIRONMENTAL SPECIFICATIONS**

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|--------------------------|---------------------------|
| A. Operating Temperature | 32° to 122°F (0° to 50°C) |
| B. Operating Humidity    | 20% to 80%, noncondensing |

**2.05 PHYSICAL SPECIFICATIONS**

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|-----------------|--|
| A. Construction | Sheet metal  |
| B. Finish       | Gray metallic with black end caps,<br>black matte finish |
| C. Dimensions   | 8.21" D x 1.08" W x 6.56" H<br>(20.85 x 2.74 x 16.66 cm) |
| D. Mounting     |  |
| 1. Desktop      | Rubber feet (factory-installed)                          |
| 2. Wall or rack | Optional mounting accessories required                   |
| E. Unit Weight  | 2.2 lb (1.0 kg)  |

**2.06 SYSTEM SPECIFICATIONS**

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|-----------------------|---|
| A. System             |   |
| 1. Operating System   | Linux®  |
| B. Network            |   |
| 1. Interface          | 1, Ethernet RJ-45 port (10/100Base-T)   |
| C. COM Ports          |   |
| 1. Serial             | 2, RS-232   |
| D. LED Indicators     |   |
| 1. Power              | Blue  |
| 2. COM Port Status    | Green, amber  |
| 3. Network Link/Speed | Amber, red  |
| 4. Network Activity   | Green   |
| 5. Reset Button       | Recessed button with 2 options: reboot and<br>reset factory default settings. |

**2.07 CERTIFICATIONS**

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|------------------|
| A. CE, Class B   |
| B. FCC, Class B  |
| C. UL/cUL Listed |
| D. C-Tick        |



**2.08 STANDARDS/ORGANIZATIONS**

- A. Pelco is a member of the MPEG-4 Industry Forum
- B. Pelco is a member of the Universal Plug and Play (UPnP) Forum
- C. Pelco is a member of the Universal Serial Bus (USB) Implementers Forum
- D. Pelco is a contributor to the International Standards for Organization/Electrotechnical Commission (ISO/IEC) Joint Technical Committee 1 (JTC1), "Information Technology," Subcommittee 29, Working Group 11
- E. Compliance with ISO/IEC 14496 standard (also known as MPEG-4)
- F. Compliant with International Telecommunication Union (ITU) Recommendation G.711, "Pulse Code Modulation (PCM) of Voice Frequencies"

**2.09 WARRANTY**

- A. 3 years, parts and labor

**2.10 SUPPLIED ACCESSORIES**

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|---------------------------|--------------------------------|
| A. Mating Connectors      | 1, 10-pin                      |
| B. 4-Pin to 2-Pin adapter | For user-supplied power supply |

**2.11 PELCO MODEL NUMBER**

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|-------------------|---|
| A. EDI5000-AD2088 | Endura data interface that allows serial data communication between an American Dynamics™ matrix system and the Endura video and recording system; security personnel can use the AD2088 matrix keyboard to view and control video from their existing matrix system and the Endura system cameras and recorders. |
|-------------------|---|

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