

ENDURA® – GW5000 GATEWAY

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 gateway 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 GATEWAY

- A. The gateway shall be fully Endura compatible and shall provide a Web client interface into the Endura system that can be used to view live and recorded video, review and control relays and alarms, review and acknowledge events, configure the gateway, and configure gateway users.
- B. The gateway in conjunction with the Endura transcoder shall provide users a method for communicating through a public network with limited bandwidth such as a local area network (LAN), wide area network (WAN), or the Internet.
- C. The gateway shall support communication with the Endura network through Microsoft® Internet Explorer® 6.0 and 7.0 browsers. Video from the Endura network shall be compatible with Microsoft Windows® and Linux® operating systems. The gateway shall support 32 concurrent connections through a Web client for viewing video and controlling PTZ operations on connected cameras. The Web client shall use the same authentication methods as the Endura system.
- D. When used with the optional transcoder, the gateway shall accept Internet connections between bandwidths of 100 Mbps and 56 Kbps.
- E. The gateway shall meet or exceed the following design and performance specifications.

2.03 POWER SPECIFICATIONS

- | | |
|------------------------------|---|
| A. Power Input | 100–240 VAC, 50/60 Hz, 0.7 A, autoranging |
| B. Cable Type | 1 USA (117 VAC), 1 European (220 VAC),
1 UK (250 VAC)
All, 3 prongs, molded connector, 6 ft (1.8 m)
cord |
| C. Maximum Power Consumption | 40 W, 137 BTU/H |

2.04 ENVIRONMENTAL SPECIFICATIONS

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|------------------------------|--|
| A. Operating Temperature | 50° to 95°F (10° to 35°C) at unit air intake (front of unit) |
| B. Maximum Humidity Gradient | 10% per hour |
| C. Operating Altitude | -50 ft to 10,000 ft (-15.2 m to 3,048 m) |
| D. Operating Vibration | 0.25 G at 3 Hz to 200 Hz at a sweep rate of
0.5 octave/minute |

2.05 PHYSICAL SPECIFICATIONS

- | | |
|-----------------|--|
| A. Construction | Sheet metal |
| B. Finish | |
| 1. Bezel | Gray metallic with black end caps |
| 2. Chassis | Black matte finish |
| C. Dimensions | 16.7" D x 17.0" W x 1.7" H
(42.4 x 43.2 x 4.3 cm) |
| D. Unit Weight | 13.35 lb (6.10 kg) |
| E. Mounting | Desktop (feet)
Rack, 1 RU per set
(Feet, rack ears, and screws provided) |

2.06 SYSTEM SPECIFICATIONS

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|-------------------------------------|---|-------------|------------|---------|-----------|---------|-----------|--------|-----------|
| A. Video (Video Module) | | | | | | | | | |
| 1. Video Standards | NTSC/PAL/EIA/CCIR composite | | | | | | | | |
| 2. Video Compression (Coding) | MPEG-4 | | | | | | | | |
| 3. Video Resolution | <table border="0" style="display: inline-table;"><tr><td style="text-align: center;"><u>NTSC</u></td><td style="text-align: center;"><u>PAL</u></td></tr><tr><td style="text-align: center;">a. 4CIF</td><td style="text-align: center;">704 x 576</td></tr><tr><td style="text-align: center;">b. 2CIF</td><td style="text-align: center;">704 x 288</td></tr><tr><td style="text-align: center;">c. CIF</td><td style="text-align: center;">352 x 288</td></tr></table> | <u>NTSC</u> | <u>PAL</u> | a. 4CIF | 704 x 576 | b. 2CIF | 704 x 288 | c. CIF | 352 x 288 |
| <u>NTSC</u> | <u>PAL</u> | | | | | | | | |
| a. 4CIF | 704 x 576 | | | | | | | | |
| b. 2CIF | 704 x 288 | | | | | | | | |
| c. CIF | 352 x 288 | | | | | | | | |
| 4. Video Termination | Software controlled | | | | | | | | |
| B. Network (Base Module) | | | | | | | | | |
| 1. Interface | 1, Gigabit Ethernet RJ-45 port (1000Base-T) | | | | | | | | |
| 2. Security | 2 modes: secure mode (device authentication)
and unsecure mode | | | | | | | | |
| C. PTZ Protocols | Available through the Web client | | | | | | | | |
| D. Front Panel Indicators/Functions | | | | | | | | | |
| 1. Power | Blue | | | | | | | | |
| 2. CPU Activity | Yellow | | | | | | | | |
| 3. Private Network Activity | Green | | | | | | | | |
| 4. Network Status | Green, amber, red | | | | | | | | |

3. Unit Status	Green, amber, red	
4. Power Button	On, off (soft), off (hard)	
5. Configuration/Reset	Reserved for future use	
E. Web Client System Requirements	<u>Minimum</u>	<u>Recommended</u>
1. Minimum Processor	Intel® Pentium® M 1.6 GHz	Intel Core™ 2 Duo, 2.20 GHz
2. Internal Memory	512 MB	2 GB
3. Operating System	Windows XP Pro	Windows XP Pro, SP 3
4. Display Adapter	32 MB Dedicated Video RAM	256 MB
5. Display Resolution	1280 X 1024	1280 X 1024
6. Web Browser	Internet Explorer 6.0	IE 7.0

2.07 CERTIFICATIONS

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

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. 36 months, parts and labor

2.10 SUPPLIED ACCESSORIES

- A. Base Module
 - 1. Power Cords 1 USA, 1 European, 1 UK
 - 2. Rack Mount Kit Brackets, rails, and hardware
 - 3. Hard Drive Carriers 12 (all filled) or 6 filled/6 empty
 - 4. USB Cables 2 USB 2.0 cables with labels
 - 5. Rubber Feet 4
- B. Video Module
 - 1. Power Cords 1 USA, 1 European, 1 UK
 - 2. Rack Mount Kit Brackets, rails, and hardware
 - 3. Terminal Blocks
 - a. Alarm Terminal Blocks 2, 8-pin
 - b. Relay Terminal Blocks 2, 6-pin

2.09 PELCO MODEL NUMBERS

- A. GW5000 The interface between the Endura system and a public network with limited bandwidth.

(New 10/15/2008)