



CyberStation™



REMOTE VIDEO SERVER AND ALARM NETWORK CONTROLLER

20 VIDEO PORTS ♦ 1 BNC OUTPUT ♦ 20 INPUTS ♦ 19 OUTPUTS ♦ HDVS ♦ ETHERNET ♦ DIALUP ♦ ISDN ♦ VOIP

With the changes in world events happening at lighting speed, video surveillance is positioned to play a critical role in the future of the Security Industry. Cybercomm by DC Security Products has developed a comprehensive solution for augmenting this new reality of expanded surveillance mandated by corporate security departments and the homeland security needs of government institutions alike. **CYBERSTATION IPTV** by DC Security Products is a comprehensive security surveillance solution for many who need a Network-Based answer to address the industry's critical need for Remote Video Access. Our Cybercomm **CYBERSTATION** is one the first network video product that can provide up to 20 video ports, 20 alarm inputs, 19 relay outputs, Hard Drive Video Storage (HDVS), and Voice over IP (VOIP). All these options have been designed around one of the most robust UNIX-Inspired Proprietary Operating Systems available. This "Internal Kernel" was created to present the best platform for viewing through the incredible **CYBERVIEW**, our powerful digital video and alarm management software suite.

Our **NetStream™** Technology, based on ISO 1091-2 technology, allows full motion video to be compressed, encapsulated and packeted in an Internet Protocol format, thus enabling any computer with an installed web browser to become a viewing station displaying live video. This management ability is expanded exponentially with the incorporation of the **CYBERVIEW** Software Suite. **CYBERVIEW** turns a PC from a viewing station into a surveillance monitoring, image management, and alarm data center. Through triplex recording, digital images are stored on the HDVS in data packets which can be transmitted to any **CYBERVIEW** PC location requesting the sequenced information, and whose user has been authorized with the authority level needed. Once the **CYBERVIEW** data request is confirmed by the **CYBERSTATION** security profiles as approved, the user is on-line with access to the **CYBERSTATION's** live and HDVS images as well as alarm information stored by Date, Time or Alarm. This differs from traditional CCTV matrix systems because the **IPTV SYSTEM** is designed for remote distributed image processing.

In addition, all models come with 1 Serial Port, 1 Ethernet Port, 1 ISDN Port, 1 BNC Output Port (for an on site monitor displaying selected images), 1 Hard Drive Video Storage Unit, and **Powered Asynchronous Data (PAD)** Transport Services for serial dependent devices, all enclosed in a locked, tampered, and rugged metal enclosure. This product comes standard with a UPS power supply that can utilize a (customer-supplied) backup battery for maintaining the operation of Cyberstation during power interruptions. Each model can increase the standard Inputs and outputs by using our optional expansion modules giving up to 24 extra alarm input points or up to 16 additional outputs. Voice Over IP (VOIP) is a superb optional feature designed to provide unique audio communication from a **CYBERSTATION** site to the **CYBERVIEW** PC that is contained in a local LAN environment.



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The **CYBERSTATION** transmits over many communication formats: Ethernet, V.35, ISDN-BRI, V34 Leased Line, Dialup, and a powerful Line Driver for Dry Copper Data Transmission. With all these communication choices, you will receive the best performance customized to your public or private network - from existing telephone networks, and LAN/WAN making Cybercomm the best value for your surveillance dollar. To accommodate the wide range of camera hardware, **CYBERSTATION** features optional RS232, RS422 or RS485 communication modules and myriad of camera driver protocol choices for remote control of Dome Cameras, Pan and Tilt Drives, etc. These technologies, including IP Tunneling (**PAD**) for Access Control Panels, Alarm Controllers, and Industrial Process monitoring separates Cybercomm by DC Security Products as the premiere provider, and **CYBERSTATION**, the comprehensive choice in the remote video market.

The **CYBERSTATION** operates in the digital world and supplies a valuable alternative to coax-based CCTV matrix systems. The **IPTV SYSTEM (CYBERSTATION and CYBERVIEW)** will be the preferred choice for converting your existing CCTV System, creating huge potential savings while providing a solid investment in surveillance. Let us show you the **REAL WORLD** power of the **CYBERSTATION**.

CyberStation™ VARIOUS EMBEDDED DISPLAY SCREENS

Listed below are different sample screens (Browser, HyperTerminal, & Telnet) showing various CyberStation information, making it the feature rich choice.



CyberStation™ GENERAL SPECIFICATIONS

NETSTREAM™ VIDEO (All Models):

- Core Compression Algorithm JPEG ISO 1091-2
- Hardware Video Synchronization
- Multiple Analog Video Outputs for On Site Viewing by Monitor
- Video Signal Loss and "Blackout" Automatic Detection
- VideoSensor Motion Detection
- Global Activation by Input and/or Digital Output Triggering

HDVS RECORDING (All Models):

- Recording Rate 30ips total - divided among all cameras connected (20 Max.)
- 33,000 to 1,000,000 Images Per Gigabyte Capacity
- Selected Compression Rates Per Camera (Max Compression 5KB Per Image)
- Pre-Alarm, Post-Alarm, Independent and Triplex Camera Recording
- Image integrity authentication from Message Digest 5™ from RSA
- UNIX Inspired Proprietary Kernel Operating System
- Dual Hard Drive System Capacity (512GB [ATA] Max Capacity)

DATA COMPATIBILITY (All Models):

- 10BaseT, TCP/IP, PPP, Telnet, SMTP, SNMP, UDP
- ◆ **W/ Optional Securcomm Uniflex Module:**
- V.34+, V.32bis, V.32, V.22bis, V.22A&B, V.23, V.21.

DTE INTERFACE (All Models):

- V.24 (RS-232)
- Selectable formats.
- Synchronous Data rates to 2mbps.
- Asynchronous Data rates to 230kbps.

STANDARD VIDEO PORTS:

- ◆ **CS040403:** 4 Analog NTSC or PAL, 75ohms, 1Vpp - 1 BNC Output
- ◆ **CS120403:** 12 Analog NTSC or PAL, 75ohms, 1Vpp - 1 BNC Output
- ◆ **CS200403:** 20 Analog NTSC or PAL, 75ohms, 1Vpp - 1 BNC Output

STANDARD ALARM INPUTS / OUTPUTS (All Models):

- 4 Digital Inputs
- 3 2A Relay Outputs

LINE INTERFACE (All Models):

- Line type RJ45 Ethernet
- Line type RJ45 ISDN
- Line type RJ11 Audio
- ◆ **W/ Optional Securcomm Uniflex Module:**
- Line type RJ11 - 2wire Dialup, Leased or Line Driver.

SYSTEM CONFIGURATION (All Models):

- ◆ **LAN Connection (Ethernet)**
- Telnet Session or through Standard Web Browsers
- ◆ **Serial Connection (DB9)**
- Through Terminal Emulation Program

POWER CONSUMPTION (All Models):

- 30 watts

POWER (All Models):

- 120 VAC Power Supply with Battery Backup (Up to 18AH)

PHYSICAL (All Models):

- Length 24.096 inches.
- Width 17.846 inches.
- Height 4.596 inches.
- Weight 24 pounds.

ENVIRONMENTAL (All Models):

- Temperature 0 - 60 C.
- Humidity 90% non-condensing.

OPTIONAL MODULES:

- ◆ **ServerBus/Input8** (Max per system = 1):

- 8 Digital Inputs
- 1 RS485 Serial Bus
- 2 Client Connection Ports

- ◆ **Client Modules** (Max per system = 2):

- ClientInput8:**
- 8 Digital Inputs
- ClientOutput5/3:**
- 5 Six Amp Relay Outputs
- 3 12v/400ma Transistor Outputs

- ◆ **CommPortRS232** (Max. per system = 1):

- Additional V.28 / V.24 (RS-232F)

- ◆ **CommPortV35** (Max. per system = 1):

- V.35 Interface (RS-232F)

- ◆ **ControlPort422** (Max. per system = 1):

- RS-422 Serial Bus

- ◆ **ControlPort485** (Max. per system = 1):

- RS-485 Serial Bus

- ◆ **ExpanCam8** (Max. per system = 2):

- 8 Video Ports

APPROVALS (All Models):

- FCC Part 15, Class A.
- ◆ **W/ Optional Securcomm Uniflex Module:**
- FCC Part 68



ONE LINDSAY CIRCLE
SAN FRANCISCO, CALIFORNIA 94124
Voice (415) 550-0443
Fax (415) 550-1780
www.dcsecurityproducts.com

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