PelcoNet ™ NET104A Series
MULTIMEDIA TRANSMISSION VIA NETWORKS

Product Features

- Send and Receive Live Video, Audio, and Data Over Ethernet Networks
- Four Video Channels to Display/Transmit Single or Quad Views; Also Sequences Images
- Four Alarm Inputs for External Detectors
- Relay Output for Switching External Devices (such as a door lock, etc.)
- View the Picture on a PC or CCTV Monitor
- Control a PTZ, Genex® Multiplexer, or Matrix Within a Building or Across the Country
- Autonomous System Does Not Require a PC to Transmit
- Uses TCP/IP Protocol
- Multicast Function Allows Simultaneous Connection of Multiple Receivers, Including up to Five Viewers of Live Video
- Up to 30 High Quality Images Per Second
- Manually Record and Play Back Camera on a PC's Hard Drive
- Select Specific Areas in the Display for Motion Detection

NET104A TRANSMITTER (FRONT)

NET104A TRANSMITTER (REAR)

- Automatically Transmit Alarm E-Mail with Attached Image
- Password Protection Against Unauthorized Access

The **PelcoNet™ NET104A** Transmission System transmits live video, data, and audio across existing Ethernet networks. Sending video and audio over computer networks yields significant cost savings by using an existing computer network to monitor a remote site. **PelcoNet NET104A** saves installation costs (no separate cabling required), allows toll-free operation (intranets), and saves management costs (single, uniform network).

PelcoNet NET104A has four channels, so it works with up to four video sources. It can multiplex to provide a single view, sequence of views, or a quad view.

With minimal setup, the **PelcoNet NET104A** Transmission System can be installed and running in minutes. Connect cameras to the transmitter and a monitor to a standard **PelcoNet NET101 Series** receiver. Then connect the transmitter and receiver to the network and configure IP addresses for the equipment using a standard terminal program or any Internet browser.

If you need to control a camera (operate pan, tilt, and lens functions, or do presets and patterns), an RS-232 data interface links the keyboard controls to the network and then from the network to the camera system.

Instead of a **PelcoNet NET101 Series** receiver and monitor, an Internet browser can be used at the receiving end to display video on a PC. On-screen keyboards in **PelcoNet NET104A** let you control the following devices over the network: System 9760®/9740 or CM6700/CM6800 matrix controller, Genex® multiplexer, Spectra® domes, and Esprit™ positioning systems. You can also record live video on the viewing computer's hard drive and play it back.

PelcoNet NET104A now gives you a new choice of using computer networks to interface your control and monitoring stations with remote camera sites, whether they be in the same building, across the country, or around the world.

MODEL

NET104A — Four-channel video transmitter with bi-directional audio and integrated Ethernet connection.

Note: For countries other than the United States, you must also specify the appropriate transformer adapter when ordering. Please refer to the list below. (Adapter will be sent at no charge.)

NETPLUG4-AU	Transformer adapter, Australian.
NETPLUG4-EU	Transformer adapter, European.
NETPLUG4-UK	Transformer adapter, United Kingdom.
NETRANS4	Replacement transformer, 100-240 VAC.

NETWORK PROTOCOL AND STANDARDS COMPATIBILITY

Internet Configuration	IP, TCP, UDP, ICMP, ARP, DHCP, HTTP, FTP, IGMP
Video Coding	H.261/263, H.323 (M-JPEG in Server Push mode only), G.711
Video Frame Rate	Up to 30 images/second

INTERFACES

Video Input (transmitter)	4 BNC, PAL/NTSC, 75 ohms, 1 Vp-p, RS-170, CCIR-601
Video Output (NET101R or NET101R-A receiver)	1 BNC, PAL/NTSC, 75 ohms, 1 Vp-p
Audio Input	RCA phono jack, -32 dBm0 variable
Audio Output	RCA phono jack, -10 to 0 dBm0, 600 ohms
LAN Interface	UTP (10/100BaseT auto-sensing), RJ-45
LAN Data Rate	10 Kbps up to 1 Mbps
Data Interface	1 RS-232C/RS-422/RS-485, bi-directional (Sub-D9 pin)
Alarm Inputs	4 terminals for direct connection of controls, 1 master alarm input
Alarm Output	4 relays, maximum 40V, 0.8A

VIDEO

Video Standards	PAL, NTSC
Video Resolution	704 x 576 pixels (HiRes)
	352 x 288 pixels (CIF)

POWER ADAPTER

Type	Plug power adapter
Input Voltage	100-240 VAC, 50/60 Hz
Output Voltage	12 VAC, 800 mA
Country-Specific Adapters	US (default), Australia, Europe, and UK. (Specify when ordering.)

MISCELLANEOUS

LED Displays	17 LEDs (video, inputs, outputs, Ethernet, connection, power)

ENVIRONMENTAL

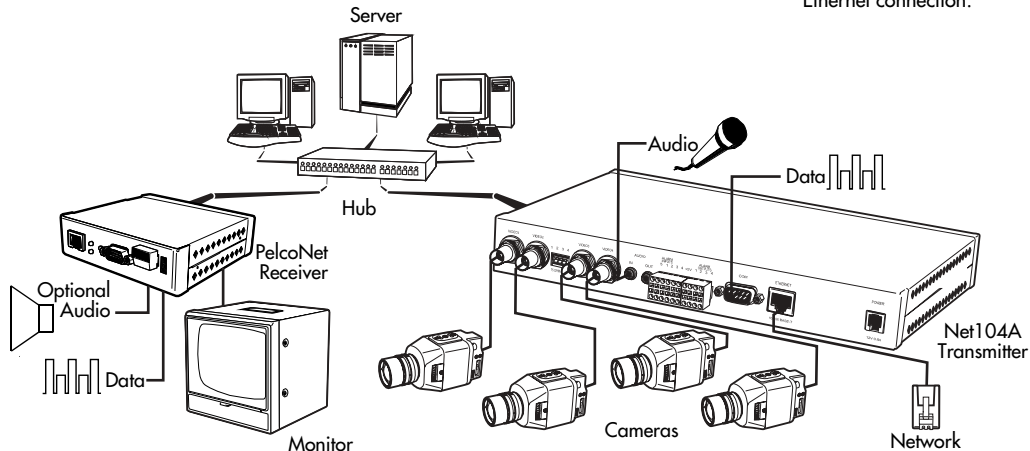|	
Operating Temperature	41° to 104°F (5° to 40°C)
Operating Humidity	80% maximum relative humidity, non-condensing
Storage Temperature	-4° to 140°F (-20° to 60°C)
Storage Humidity	95% maximum relative humidity, non-condensing

GENERAL

Dimensions	1.4" H x 10.2" W x 6.5" D (3.5 x 26.0 x 16.5 cm)
Unit Weight	2.8 lb (1.3 kg), without power supply
Shipping Weight	5 lb (2.27 kg), with power supply

CERTIFICATIONS

◆ CE, Class A
◆ UL Listed
◆ UL Listed to Canadian safety standards
◆ FCC, Class B

OPTIONAL ACCESSORIES

NET101R	Single-channel video receiver with integrated Ethernet connection.
NET101R-A	Single-channel video receiver with bi-directional audio and integrated Ethernet connection.

Sample Configuration Using a Local Area Network (LAN)