



PRODUCT SPECIFICATION

PelcoNet™ NET100 Series MULTIMEDIA TRANSMISSION VIA NETWORKS



Product Features

- Send and Receive Live Video, Audio, and Data Over Ethernet Networks
- View the Picture on a PC or CCTV Monitor
- Control a PTZ, Genex® Multiplexer, Matrix, or DVR 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
- Relay Output for Switching External Devices (Such as a Door Lock, Etc.)
- Manually Record and Playback Camera on a PC's Hard Drive
- Select Specific Areas in the Display for Motion Detection
- Automatically Transmit Alarm E-Mail with Attached Image
- Memory for Recording Pre-Alarm
- Password Protection Against Unauthorized Access

The **PelcoNet™** 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** saves installation costs (no separate cabling required), allows toll-free operation (intranets), and saves management costs (single, uniform network).

With minimal setup, the **PelcoNet** Transmission System can be installed and running in a matter of minutes. Connect a camera to the transmitter and a monitor to the 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.



NET101T-A TRANSMITTER (FRONT)



NET101T-A TRANSMITTER (REAR)

PelcoNet works with our most popular systems: CM9760/CM9740 and CM6700/CM6800 matrix controllers, Genex® multiplexers, Spectra® domes, Esprit™ positioning systems, and DX3009 digital video recorders as well as fixed cameras.

Instead of a **PelcoNet** receiver and monitor, an Internet browser can be used at the receiving end to display video on a PC. On-screen keyboards in PelcoNet let you control the following devices over the network: System 9760/9740 or CM6700/CM6800 matrix controller, Genex multiplexer, Spectra domes, Esprit positioning systems, and DX3009 digital video recorder. You can also record live video to the viewing computer's hard drive and play it back.

PelcoNet 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 or across the country.



International Standards Organization Registered Firm ISO 9001 Quality System



TECHNICAL SPECIFICATIONS

MODELS

NET101T	Single-channel video transmitter with integrated Ethernet connection.
NET101R	Single-channel video receiver with integrated Ethernet connection.
NET101T-A	Single-channel video transmitter with bi-directional audio and integrated Ethernet connection.
NET101R-A	Single-channel video receiver 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.)

RELATED PRODUCTS

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

NETWORK PROTOCOL AND STANDARDS COMPATIBILITY

Internet Configuration	IP, TCP, UDP, ICMP, ARP HTTP, FTP, IGMP
Video Coding	H.261, H.323 (M-JPEG in Server Push mode only), G.711, G.728 Up to 30 images/second
Video Frame Rate	
Data Communication and Remote Control	H.224

INTERFACES

Video Input (transmitter)	BNC, PAL/NTSC, 75 ohms, 1 Vp-p
Video Output (receiver)	BNC, PAL/NTSC, 75 ohms, 1 Vp-p
Audio Input (optional)	RCA phono jack, -32 dBm0, adjustable
Audio Output (optional)	RCA phono jack, -10 to 0 dBm0, 600 ohms
Handset Interface (optional)	RJ-11

LAN Interface	UTP (10BASE-T), RJ-45
LAN Data Rate	10 Kbps up to 1 Mbps
Data Interface	2 RS-232C, bi-directional, or Sub-D9 pin
Control Input	Detachable screw terminal, for direct connection of contacts
Relay Output	Detachable screw terminal

POWER ADAPTER

Type	Plug power adapter
Input Voltage	100-240 VAC, 50/60 Hz
Output Voltage	5 VDC, 2A
Country Specific Adapters	US (default), Australia, Europe, and UK. (Specify when ordering.)

Note: The physical adapter for the wall outlet is interchangeable for use in different countries. The adapter snaps into the plug power supply. For your own safety, do not open the power supply and never use a do-it-yourself adapter.

ENVIRONMENTAL

Operating Temperature	41° to 104°F (5° to 40° C)
Operating Humidity	80% maximum relative humidity, non-condensing

GENERAL

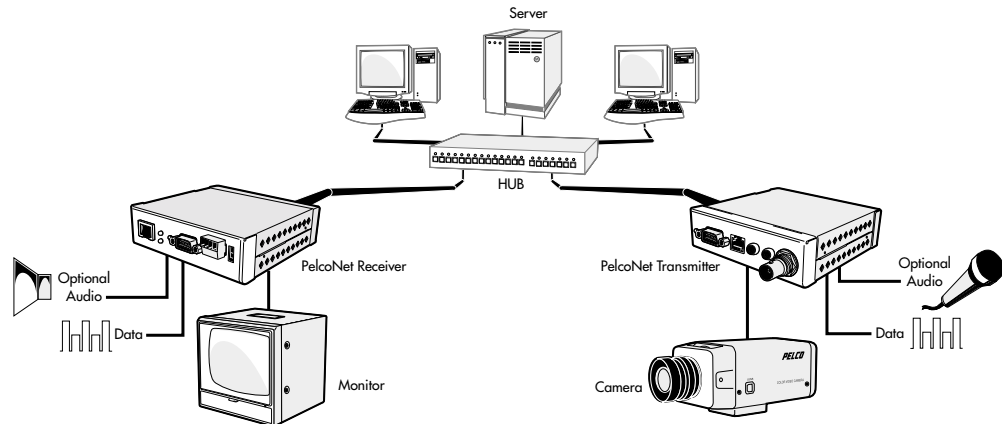
Dimensions	1.3" H x 4.2" W x 4.1" D (3.3 x 10.7 x 10.3 cm)
Unit Weight	.82 lb (0.37 kg), without power supply
Shipping Weight	2 lb (0.9 kg)

CERTIFICATIONS

- ◆ Electromagnetic Emissions And Safety: Meets requirements of EN 55022, EN 50082-1, and EN 60950
- ◆ CE, Class A
- ◆ UL listed to Standard 1950
- ◆ cUL listed to CSA Standard 22.2 No. 1-94
- ◆ FCC, Class A

OPTIONAL ACCESSORIES

PV130	Converter, RS-232/RS-422 kit with power supply
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Sample Configuration Using a Local Area Network (LAN)

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