

CEN-NVS100

Network Video Streamer

The CEN-NVS100 is the perfect accessory for every Crestron® connected home, school, or business, providing a simple solution for streaming video from any camera to touchpanels throughout the facility. It works with all Crestron V-Panel™ and Isys i/O® TPMC Series touchpanels allowing easy monitoring of door entry cameras, nursery cameras, or any other video feed. It is also compatible with the **ADMS** Intermedia Delivery System™, letting you view live cameras within its Home Control GUI. You can even use it to add live video monitoring to your remote access solution using our **e-Control®** XPanel application, or to your iPhone®, iPad, or iPod touch® using our **Crestron Mobile™** and **Crestron Mobile Pro™** control apps.

Dual codecs allow the simultaneous streaming of signals with two different video settings. Video settings include adjustable image size, quality, and bit rate. Further options include text and time stamp overlay, plus privacy masking to allow any portion of the video image to be obscured. Up to three motion detection windows can be defined, enabling automated control events in response to movement in specific areas onscreen. Events can also be triggered by an external motion detector connected to the digital input, or when a total loss of signal is detected.

A RS-485 control port is included, providing for remote control of a pan/tilt/zoom camera, with select drivers built-in to support Pelco® D and other popular models.

- > *Delivers live streaming video to Crestron touchpanels and mobile devices*
- > *Supports Isys i/O® TPMC-3X, TPMC-4XG^[1], TPMC-4SM, TPMC-8L, TPMC-8T, TPMC-8X, TPMC-12, and TPMC-12L touchpanels*
- > *Supports all V-Panel™ models via DGE-1 or DGE-2*
- > *Supports Apple® iPhone®, iPad, or iPod touch® running Crestron Mobile™ or Crestron Mobile Pro™*
- > *Compatible with Crestron e-Control® XPanel and ADMS*
- > *Employs real-time Motion-JPEG compression*
- > *Up to D1 resolution (NTSC 704x480 / PAL 704x576)*
- > *Supports simultaneous dual streams*
- > *Supports privacy masks*
- > *Allows triple-window motion detection*
- > *Includes digital I/O for external sensor and alarm*
- > *Enables RS-485 control of Pelco® D and other popular PTZ cameras*
- > *PoE network powered*
- > *Includes bracket for surface or rack rail mounting*



SPECIFICATIONS

Video

Input Signal Types: NTSC or PAL composite

Compression: MJPEG video

Streaming: Simultaneously dual-streaming MJPEG over HTTP

Resolutions: 176x112, 352x240, 704x480 (NTSC);
176x144, 352x288, 704x576 (PAL)

Frame Rates: Up to 30 fps @ 352x240 or lower, up to 12 fps @ 704x480 (NTSC);

Up to 25 fps @ 352x288 or lower, up to 12 fps @ 704x576 (PAL)

Users: Live viewing for up to 10 clients

Ethernet

Standards: 10BaseT or 100BaseTX auto-switching, auto-negotiating, auto-discovery, full/half duplex, IEEE 802.3af compliant

Protocols: IPv4, TCP/IP, HTTP, UPnP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CIP

Security: Multi-level user access, password protection, IP address filtering

Connectors

VIDEO: (1) BNC female, composite video input;

Maximum Input Level: 1 Vp-p nominal;

Input Impedance: 75 ohms nominal

12V, DIO, 485: (1) 6-pin 3.5mm detachable terminal block;

Camera control and digital I/O port;

RS-485: Camera control port; includes built-in drivers for DynaDome/SmartDome, Pelco D, & LI-LIN PIH-7x00 cameras;

Digital Input: Rated for 50mA @ 12 Volts DC, 2kV isolated, logic threshold 3 Volts DC;

Digital Output: 400mA sink from maximum 40 Volts DC, 2kV isolated;

Note: 12V "P" terminal is not used, do not connect

LAN PoE: (1) 8-wire RJ45 female, 10BaseT/100BaseTX Ethernet port;

302.3af Power over Ethernet compliant

Note: AUDIO OUT and IN connectors are for future use; 12VDC power jack is for factory use only.

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Controls & LED Indicators

NET: (1) Green LED, indicates system activity and Ethernet link status

PWR: (1) Red LED, indicates power supplied from PoE

HW RESET: (1) Recessed miniature pushbutton, used to reboot the video streamer

Power Requirements

Power over Ethernet: IEEE 802.3af Class 2 PoE Powered Device

Environmental

Temperature: 32° to 104°F (0° to 40°C)

Humidity: 20% to 80% RH (non-condensing)

Enclosure

Aluminum construction; freestanding, surface, or rack-rail mount (detachable mounting bracket included)

Dimensions

Height: 1.38 in (3.50 cm)

Width: 2.96 in (7.50 cm), 3.95 in (10.04 cm) with mounting bracket

Depth: 5.37 in (13.62 cm)

Weight

7.06 oz (200 g)

Available Models

CEN-NVS100: Network Video Streamer

CEN-NVS100-PWE: Network Video Streamer w/PoE Injector

Included Accessories

PWE-4803RU PoE Injector

[Included Quantity for CEN-NVS100-PWE: 1]

Available Accessories

CEN-SW-POE-5: 5-Port PoE Switch

PWE-4803RU: PoE Injector

Notes:

1. V-Panel requires DGE-1 or DGE-2 Digital Graphics Engine. TPMC-4X not supported.

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