

N1233

Video over IP Decoder with SFP & USB



Video

Signal Types	Input	Network video over Ethernet via RJ45 port or fiber via 10G SFP port
	Output	HDMI, DVI-D (through adapter)
Formats		HDMI, DVI-D (through adapter), HDCP content protection support
Display Resolutions	HDMI and DVI (Progressive)	Matched to inputs or scaled up to 1920x1200@60Hz

Audio

Signal Types	Input	Network audio over Ethernet
	Output	Embedded audio on HDMI or DVI-D (through adapter)
Formats	HDMI	8ch PCM
	Analog	Stereo 2-channel
Digital-To-Analog Conversion		16-bit 32 kHz, 44.1 kHz and 48 kHz

Latency

720p	16 ms
1080p	16 ms

Note: Scaling can add up to 16 ms of latency.

Note: To calculate an end-to-end latency value, add the given Decoder latency (shown above) to your Encoder's latency (which is provided in the Encoder's Specifications sheet).

Communications

Ethernet	RJ45	10/100/1000 Mbps, auto-negotiating, auto-sensing, full/half duplex, DHCP, Auto IP, and Static IP
	SFP	10 Gbps port which accepts compatible fiber transceivers or direct attach cables (fiber or copper cabling)
HDMI		HDCP, EDID management

Ports

12V 2A	One 12 Volt DC power input.
P0	8-wire RJ45 female. 10/100/1000 Mbps 10/100/1000Base-T auto-sensing gigabit Ethernet switch port. Provides both network connection and power to the unit. See the section <i>Power Requirements</i> on page 3 for more information.
P1	SFP port (SFP fiber transceiver or direct attach cable not included). Provides network connection and network AV video.
IR	2-pin terminal Phoenix connector. Provides Infrared (IR) output only (33-60 kHz). Emitter may be necessary (not included).
RS232	3-pin terminal Phoenix connector which provides a serial control interface. Full duplex communication. Available terminal speed settings: 9600-115200 baud rate.
AUDIO	5-pin terminal Phoenix connector which provides user-selectable balanced/unbalanced input. Dedicated audio output.
HDMI OUT	HDMI video output.
USB connectors (front panel)	One USB-B and two USB-A control inputs.

LEDs and Buttons

FRONT PANEL

RESET button	Recessed pushbutton. Press to initiate a 'warm restart' causing the processor to reset, but not lose power. A reset does NOT affect the current settings.
ID button	Recessed pushbutton. Press to send a notification out on the network to identify the unit (the notification causes a pop-up dialog in N-Able and N-Command).
POWER LED	On solid (green) when operating power is supplied (via PoE or local power supply). This activity is also shown by the PWR LED on the rear panel.
STATUS LED	On flashing (green) when there is software activity. This activity is also shown by the STAT LED on the rear panel.

REAR PANEL

PWR LED	Same as POWER LED described above.
HDMI LED	On (green) when there is a connection to a valid video source.
STAT LED	Same as STATUS LED described above.
STRM LED	On (green) when the unit is streaming video.

Power Requirements

Power Supply	2.0 Amp @ 12 Volts DC; 100-240 Volts AC power supply; SVSi part number N9312.
Power over Ethernet (PoE)	Can be powered via a PoE switch or other equipment with a PoE source. Conforms to IEEE 802.3af Class 3 (802.3at Type 1).

Note: In order for the unit to receive Power over Ethernet (PoE), it must be connected to a switch or other equipment that has a PoE PSE (Power Sourcing Equipment) port. Warning: Do not run wiring that is connected to a PoE PSE port outside of the building where the PSE resides. It is for intra-building use only. PoE does not pass through the daisy chain (P1) port.

Physical

Mounting Options	Stand alone, surface mount, wall mount, or rack mount.*
Environmental	Temperature 32° to 104°F (0° to 40°C)
	Humidity 10% to 90% RH (non-condensing)
	Heat Dissipation Up to ~44 BTU/Hr
Dimensions	Height 1.05 inches (2.67 cm)
	Width 7.888 inches (20.04 cm)
	Depth 5 inches (12.7 cm)
Weight	1.47 lbs (0.67 kg)
Compliance	FCC, CE, and NTRL

**Mounting wings (SVSi part number N9101) required for surface and wall mounting. Rack shelf (SVSi part number N9102) or card cage (SVSi part number N9206) required for rack mounting. Shelf accommodates two side-by-side N-Series encoders and decoders. Card cage accommodates up to six N-Series encoder and decoder cards (mix and match any series). Mounting accessories sold separately and are compatible with most N-Series devices. Contact SVSi sales representative or visit website for details.*

IT SIMPLY WORKS

Distribution | Switching | Recording | Windowing | Wall Processing | Control

© Southern Vision Systems, Inc. • 256.461.7143 • www.svsiav.com

SVSi is a trademark of Southern Vision Systems, Inc. in the United States and other countries. All other brand names, product names and trademarks are the property of their respective owners. Certain trademarks, registered trademarks, and trade names may be used to refer to either the entities claiming the marks and names or their products. SVSi disclaims any interest in the marks and names of others.
800DOCN1233SPECREV1.0

 Made in the USA.

