

N1133

Video over IP Encoder with SFP & USB



Video

Signal Types	Digital Input	HDMI, DVI-D*, Dual-Mode DisplayPort (DP++)*, RGB/VGA
	Analog Input	HD-15 VGA, Component*
	Output	Network video over Ethernet via RJ45 port or fiber via 10G SFP port, HDMI, DVI-D*

**These signal types are supported through a passive adapter.*

Formats		HDMI, DVI-D (through adapter), HDCP content protection support, RGBHV, YPbPr
Output Resolutions	HD	Up to 1080p60
	CG	Up to 1920x1200@60Hz
	Interlaced	1080i only

Note: Output resolutions supported @60Hz refresh rates are also supported @59.94Hz.

Pass Thru Resolutions		Matched to inputs
Analog-To-Digital Conversion		8-bit 150 MHz per each of three color channels

Note: The N1133 Encoder does not accept Composite or S-Video (YC).

Audio

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

Latency

720p	<1 ms
1080p	<1 ms

Note: To calculate an end-to-end latency value, add the given Encoder latency (shown above) to your Decoder's latency (which is provided in the Decoder'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 network connection, network AV video, and power to the Encoders and Decoders.
P1	SFP port (SFP fiber transceiver or direct attach cable not included). Provides the network connection and network AV video.
IR	2-pin terminal Phoenix connector. Provides Infrared (IR) output only (33-60 kHz; typically 39 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 input.
HDMI IN	HDMI video input.
VGA IN	DB15 analog input.
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	5.5 inches (13.8 cm)
Weight	1.46 lbs (0.66 kg)	
Compliance	FCC, CE, and NTRL	
<p><i>*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.</i></p>		

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