

N2000 SERIES



DISTRIBUTE AND SWITCH DIGITAL MEDIA AUDIO & VIDEO ON THE NETWORK

SVSi's N2000 Series provides a flexible, feature-rich, and simple-to-deploy Digital Media Distribution and Switching solution satisfying the most demanding applications. SVSi encoders are used to encode and distribute sources of almost any format onto an existing IP network making that stream available to any endpoint in the facility. Decoders are used to decode SVSi's Networked AV streams back to DVI or HDMI format for display on any monitor. With the ability to direct any source stream to any display, large, low-cost switching and distribution systems are simple to deploy without proprietary cabling or dedicated switching hardware.

The N2000 Series uses JPEG 2000 compression to provide Cinema grade audio and video for the most demanding picture quality applications. The N2000 Series offer the ultimate in user configuration by providing user definable bandwidth controls. Plug-n-play, auto-detect technology reduces installation and programming time.

- Backwardly compatible with SVSi's legacy products
- Input and Output Scaling – scaling performed in encoders or decoders for maximum flexibility with legacy sources and displays
- Power Over Ethernet (POE) – eliminates requirement for local power supply and speeds installation. Units can still be powered locally from 12VDC allowing for easy rack-mountable, high-density installations
- Infrared (IR) emitter connection allows control of low-cost, IR-only display devices
- Fast install with Phoenix connectors for Power, IR, RS232 serial, and analog audio interfaces
- Pass-through DVI interface allows easy installation with local display such as desktop PC applications



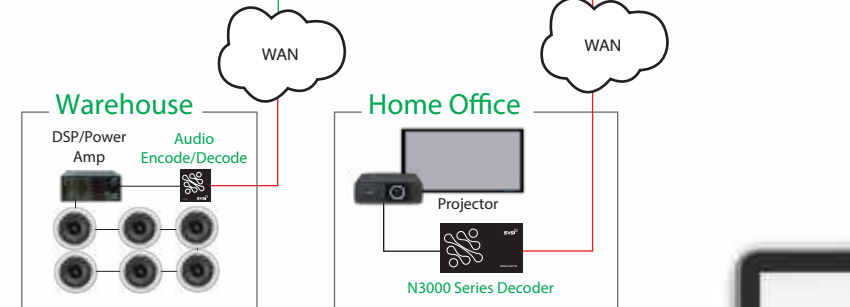
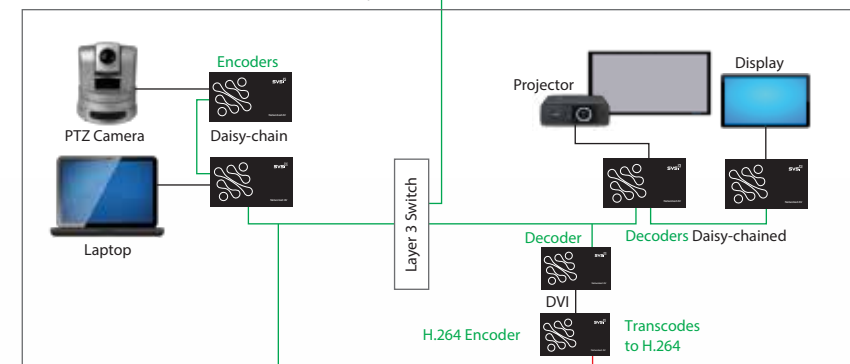
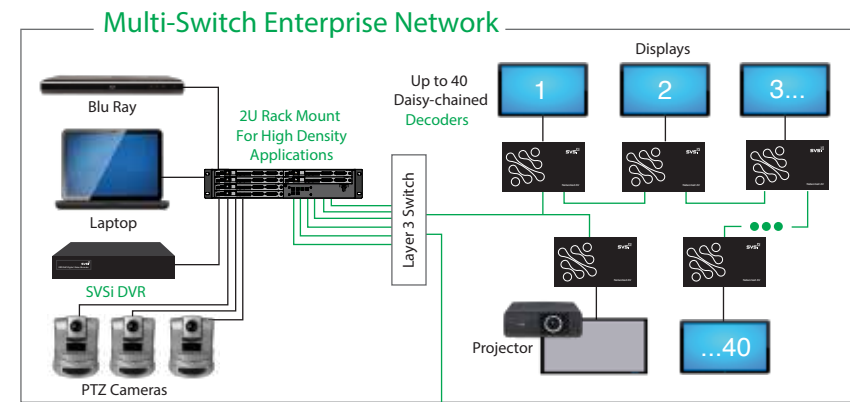
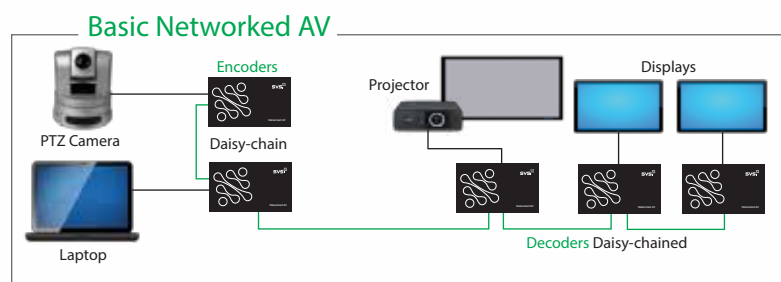
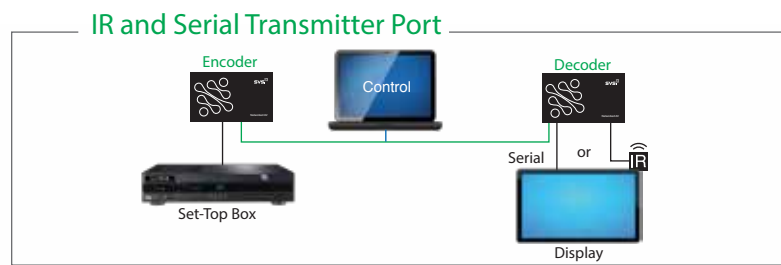
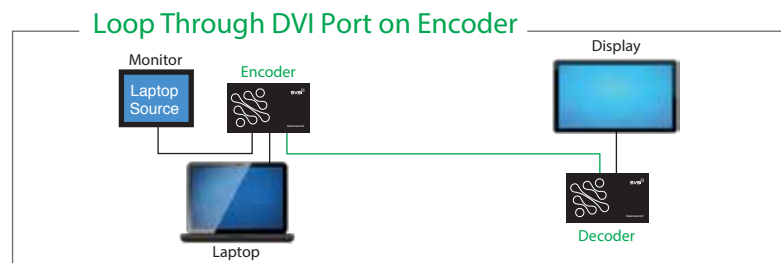
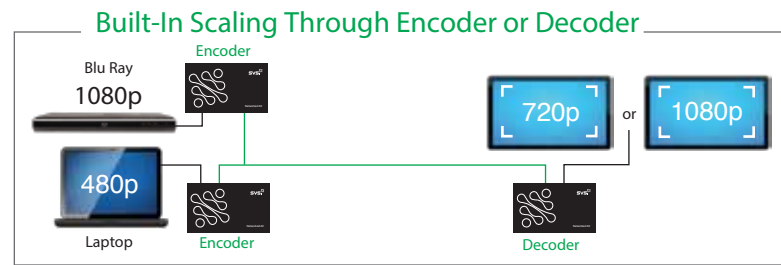
N2000 Series Digital Media Distribution and Switching Solutions



JPEG 2000 Digital Cinema Quality

SVSi's N2000 series utilizes JPEG 2000 compression technology for applications when video quality is top priority. Users can control video quality and bandwidth usage with a simple slider control provided in the web-based user interface allowing each installation to be customized for maximum performance.

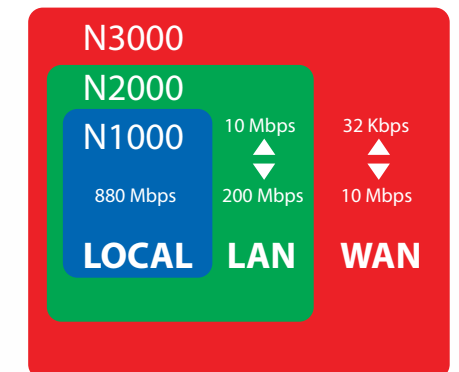
SVSi is a true pioneer in IP-based AV distribution and switching solutions, shipping our first product in 2008. The N2000 series represents the second generation of JPEG 2000 encoder and decoder offerings from SVSi encompassing the performance and reliability that ProAV installers and IT professionals have come to expect from SVSi products.



Maximize your investment with SVSi's Networked AV N-Series. More Options, More Possibilities!

SVSi's N-Series offers three product families providing the ultimate in price, performance, and flexibility.

- N1000 Series - Uncompressed AV distribution and switching for economical, in-room solutions.
- N2000 Series - The perfect solution for matrix switching and distribution of HD, Cinema-grade video on the LAN.
- N3000 Series - Stream and control HD multi-media on the LAN or WAN with SVSi's H.264 encoders and decoders.



Built-In Web Based User Interface, SVSi Conductor, or Use ANY Third-Party Control

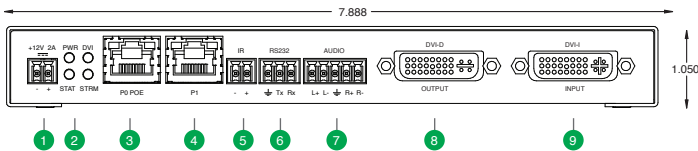
- SVSi's Conductor provides intuitive and powerful management of equipment configuration, content management, DVR recording and playback, bandwidth utilization, and matrix switching
- Free local control software for Mac and PC, or use your iPad, iPhone or Android device of your choice
- Use Crestron, AMX, Utology, Savant, or any third-party control system.



Windows or Mac OS

Native iOS or Android device

N2000 Series Encoder Rear View



- 1) 12VDC Input (not needed with POE)
- 2) Status Indicators
- 3) RJ-45 auto-sensing gigabit Ethernet switch port – POE (Power Over Ethernet)
- 4) RJ-45 auto-sensing gigabit Ethernet switch port
- 5) Infrared (IR) emitter connection
- 6) RS232 connection
- 7) Analog Audio Input connection
- 8) Pass-through DVI-D connection
- 9) DVI-I Digital Video with 7.1 Audio or Analog Video Input

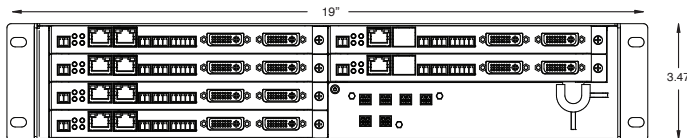
Encoder: Inputs

- **Video:** Analog or digital through DVI-I connector (auto-sensing)
- **Analog and digital sample rates supported:** 32kHz, 44.1kHz, 48kHz
- **Audio:** Embedded digital on DVI connector and balanced or unbalanced analog through 5-pin Phoenix connector
- **Bi-directional Serial:** 3-pin Phoenix connector
- **Network:** 1x POE auto-sensing gigabit Ethernet
1x non-POE auto-sensing gigabit Ethernet
- **Power:** 12VDC at <12W through 2-pin Phoenix connector

Encoder: Outputs

- **Video:** Pass-through video on DVI-D connector
- **Audio:** Embedded digital pass-through on DVI-D connector
- **Bi-directional Serial:** 3-pin Phoenix connector
- **IR:** 2-pin Phoenix connector
- **Network:** 1x POE auto-sensing gigabit Ethernet
1x non-POE auto-sensing gigabit Ethernet

2U rack accepts six independent cards based on user configuration
Cards are hot swappable without affecting other cards in unit



Management

- Built-in webpage on encoder and decoder for configuration
- Touch-panel or virtual matrix control via Conductor VDC108 or VDC208 controller
- Third-party TCP/IP control via Crestron, AMX, Utelogy, or other
- iOS or Droid app

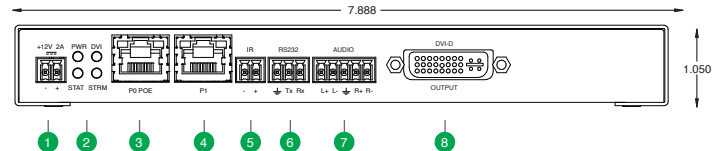
Physical

- **Dimensions:** 7.88" x 5.5" x 0.97"
 - **Weight:** 1-lb
 - **Power:** POE or 12VDC at <12W (power supply not included)*
- * Note: Power supply included with N2211 model decoder.

Warranty

2-year Warranty

N2000 Series Decoder Rear View



- 1) 12VDC Input (not needed with POE)
- 2) Status Indicators
- 3) RJ-45 auto-sensing gigabit Ethernet switch port – POE (Power Over Ethernet)
- 4) RJ-45 auto-sensing gigabit Ethernet switch port
- 5) Infrared (IR) emitter connection
- 6) RS232 connection
- 7) Analog Audio Output connection
- 8) DVI-D Digital Video Output with 7.1 Audio

Decoder: Inputs

- **Bi-directional Serial:** 3-pin Phoenix connector
- **Network:** 1x POE auto-sensing gigabit Ethernet*
1x non-POE auto-sensing gigabit Ethernet
- **Power:** 12VDC at <12W through 2-pin Phoenix connector

Decoder: Outputs

- **Video:** Digital only through DVI-D connector
- **Audio:** Embedded digital on DVI connector and balanced or unbalanced analog through 5-pin Phoenix connector (No 5-pin Phoenix connector on N2211)
- **Bi-directional Serial:** 3-pin Phoenix connector
- **IR:** 2-pin Phoenix connector*
- **Network:** 1x POE auto-sensing gigabit Ethernet*
1x non-POE auto-sensing gigabit Ethernet

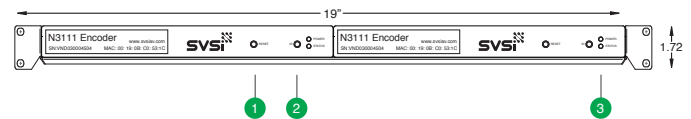
* Note: Not available on N2211 model decoder.



DOWNLOAD for MAC and PC

Use Conductor NetLite software for video network set-up and configuration - www.svsiv.com/resources

Optional mounting hardware for 1U under-table or wall installation



- 1) RESET: Reboots unit
- 2) ID: Displays unit's ID on software configuration screen when selected
- 3) POWER: Active when power is on
STATUS: Active when boot cycle is complete

Video Encoding

- JPEG2000 Standard or EQ Modes
- **Input formats:** HD up to 1080p60
Interlaced: 1080i50/60
CG up to 1600x1200 at 60Hz
- **Bandwidth:** Standard – selectable 10 – 200 Mbps at constant frame-rate
EQ – up to 300-Mbps at constant frame-rate
- **Protocols:** UDP/IP Multicast for video
UDP or TCP/IP for control and serial



256.461.7143 • info@svsiav.com • www.svsiav.com

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

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Networked AV - Plug and Play from ANYWHERE to ANYWHERE