NEXIO Volt™ Compact 1RU Integrated and Shared Storage Transmission Servers

The NEXIO Volt™ compact transmission server addresses the need for a small form-factor, high-performance baseband video server. Available in two versions — integrated storage or shared storage — NEXIO Volt servers offer support for up to four mixed SD/HD baseband channels in a 1RU package.

From ingest to transmission, the NEXIO Volt server delivers the exceptional reliability, flexibility and format transparency that today's broadcast operations demand.

Key Benefits:
- Reduced TCO — Increase channel density, use less power and generate less heat with up to four channels per rack unit
- Flexible configurations and capacities — Choose the right mix of HD and/or SD channels and software to fit today's requirements, with easy upgrades to meet future requirements
- On-air reliability — Protect media assets with redundant and hot-swap components, as well as patented RAID storage protection for uninterrupted video access

FEATURES
- Up to 4 SD/HD channels in a 1RU platform
- A variety of software-licensed configurations from 2 to 4 SD/HD channels
- Ingest and playback of SD (525i/625i) and HD (1080i, 720p) content on the same chassis
- [Optional] baseband ingest and playback support for Avid DNxHD® native editing codec
- [Optional] file ingest and baseband playback support for the popular H.264 codec
- Shared storage version with direct access to NEXIO® true shared storage, which can scale to hundreds of channels
- Patented Intrinsic Mirroring™ support for complete shared storage redundancy
- Integrated storage version with RAID-protected storage of video and audio essence
- Fault tolerance through dual hot-swappable power supplies and RAIDsoft™ software RAID management system
- NEXIO FTP Server for file-based ingest and export
- Content transfer of MXF, QuickTime®, AVI, GXF, Pinnacle, MPEG and native LXF format files
- NEXIO Playlist™ event sequencing for playing content to air (optional for shared storage version)
- NEXIO Remote™ for manual ingest, playback and media management control
- Agile, integrated software codecs, supporting a wide range of formats including DV, MPEG-2, IMX, Avid DNxHD®, Sony® XDCAM® HD, H.264, DVCPro HD, and Panasonic® AVC-Intra™
- Software-based up/down/cross conversion
- Aspect ratio conversion
- SMPTE 2016 and ATSC TSG-814 AFD support
- Discontinuous timecode support
- Dolby® Digital and Dolby® E pass-through
- Support for a wide range of automation, archiving and media management applications
- Redundant Ethernet switch support
- Support for NEXIO AMP Track Router, which provides control of audio track tagging, addition, deletion, shuffling, and playback routing; also enables import, export and management of closed caption files
NEXIO Volt™ Compact 1RU Integrated and Shared Storage Transmission Servers

- Status LEDs
- Power, Reset and Alarm Cancel
- SATA Boot Drive
- 2x USB Ports
- LCD Status Display
- 5x SATA Media Drives

- Status LEDs
- Power, Reset and Alarm Cancel
- Mirrored Boot Drives
- LCD Status Display
- 2x USB Ports

- PS/2 Keyboard and Mouse
- RS-232
- Hot Swap Redundant Power Supplies
- 2x USB
- VGA
- 2x Gigabit Ethernet
- 4x RS-422
- Loop 1
- Loop 2
- Out 1
- Out 2
- Out 3
- Ref In
- In 1
- In 2
- Loop 1
- Loop 2
NEXIO Volt Compact 1RU Integrated and Shared Storage Transmission Servers

PRODUCT DETAILS

Built from the same technology as the award-winning NEXIO AMP® advanced media platform, the NEXIO Volt server is available with built-in RAID-protected media storage for video and audio essence. This makes NEXIO Volt ideal for applications including "lights out" operations, disaster recovery, delay, edge server, on-air cache, production playout and ingest to archive.

Alternately, NEXIO Volt is available for use with NEXIO true shared storage, a modular and scalable system that makes it easy to add channels and storage as a broadcaster’s requirements change. Multiple NEXIO Volt servers can be attached to a NEXIO shared storage system, enabling systems with hundreds of channels and integration with other NEXIO baseband servers, editors and gateways.

Environmental considerations are an essential part of the NEXIO Volt design. New high-performance, low-power processors reduce power consumption and heat generation. A strong industrial design concept enhances structural integrity and reduces weight, while also reducing materials and coatings used in manufacturing.

The NEXIO Volt server is ready to use in a variety of broadcast applications. This is possible due to industry-standard VDCP support and the bundled media applications. The server comes with NEXIO Remote for ingest, playout and media management. NEXIO Playlist, included with the internal storage NEXIO Volt and optional for the shared storage NEXIO Volt, is an event sequencing application used for playing content to air. Both media applications control the server over a local area network (LAN).

The NEXIO FTP Server is provided to support file-based workflows. FTP via Ethernet connectivity supports network devices such as shared folders and near-line storage systems. Import and export of data to external devices is also facilitated through front and rear USB 2.0.

Remote monitoring and system management are easily enabled via SNMP. Support for NEXIO Navigator remote diagnostics and management is also standard. Since NEXIO Volt offers support for headless operation, a display, keyboard and mouse need not be connected to set up and manage system hardware. Channel control is supported via the industry-standard VDCP protocol and via NEXIO native protocol over Ethernet. The NEXIO Volt server responds in exactly the same way as the proven NEXIO AMP server, resulting in straightforward integration with existing automation systems.

HIGH-PERFORMANCE TECHNOLOGY

MediaCore Engine

MediaCore is a high-performance, 64-bit software engine that controls all low-level NEXIO Volt functionality. This multi-stream module manages real-time transactions and system status updates, as well as RAIDsoft, the NEXIO software RAID and disk storage management system. MediaCore employs task-specific, multi-core CPU/FPGA processing to effortlessly handle all baseband video I/O. The result is real-time, high-bit-rate coding and decoding that enables NEXIO Volt to ingest and play out up to four channels simultaneously. The module can be controlled via the NEXIO suite of software applications, and third-party automation and control panels.

RAIDsoft Storage Protection

NEXIO Volt runs the Harris-patented and Emmy® Award-winning RAIDsoft software RAID management system, allowing all channels and network ports to simultaneously access content without restriction. The intelligent RAIDsoft system keeps a cached copy of the file allocation table (FAT) in RAM and on disk, adding exceptional system resiliency. This translates to fast searching for content and assured access to metadata, whether requested via VDCP serial or Ethernet control.

Integrated storage NEXIO Volt servers support the RAIDsoft RAID-3 scheme for protection against single-drive failures in a volume. Shared storage NEXIO Volt servers also support RAIDsoft RAID-3, as well as ECC parity to protect against two drive failures per volume and Intrinsic Mirroring to protect against the failure of an entire storage system. In addition, NEXIO Volt servers connected to shared storage support the latest Harris storage innovation, RAID-601, for NEXIO Farad™ high-performance storage systems.

Channel configurations

NEXIO Volt supports 2-, 3- and 4-channel operating modes. The available modes will depend on the licensing applied to the server via the NEXIO Software License Key (SLK). The following table lists all the available modes:

<table>
<thead>
<tr>
<th>Channels</th>
<th>SD Channels Enabled</th>
<th>HD Channels Enabled</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 channels</td>
<td>2 bi-directional (2B+0P)</td>
<td>2 bi-directional (2B+0P)</td>
</tr>
<tr>
<td>3 channels</td>
<td>Not available</td>
<td>1 record + 2 play (1R+2P) 0 record + 3 play (0R+3P)</td>
</tr>
<tr>
<td>4 channels</td>
<td>2 bi-directional + 2 Play (2B+2P)</td>
<td>2 record + 2 play (2R+2P) 1 record + 3 play (1R+3P) 0 record + 4 play (0R+4P)</td>
</tr>
</tbody>
</table>

Integrated Storage Codec Support

NEXIO Volt integrated storage servers support a variety of codecs. Available codecs and data rates for the different channel counts are shown in the table below for NEXIO Volt integrated storage servers. MPEG-2 at 150 Mb/s and DNxHD are not available in 4-channel modes.

<table>
<thead>
<tr>
<th>HD Codes</th>
<th>2 Channels</th>
<th>3 Channels</th>
<th>4 Channels</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPEG-2 up to 150 Mb/s</td>
<td>MPEG-2 up to 100 Mb/s</td>
<td>MPEG-2 up to 50 Mb/s</td>
<td></td>
</tr>
<tr>
<td>XDCAM HD 35 Mb/s</td>
<td>XDCAM HD 35 Mb/s</td>
<td>XDCAM HD 35 Mb/s</td>
<td></td>
</tr>
<tr>
<td>XDCAM HD422 50 Mb/s</td>
<td>XDCAM HD422 50 Mb/s</td>
<td>XDCAM HD422 50 Mb/s</td>
<td></td>
</tr>
<tr>
<td>XDCAM EX 35 Mb/s</td>
<td>XDCAM EX 35 Mb/s</td>
<td>XDCAM EX 35 Mb/s</td>
<td></td>
</tr>
<tr>
<td>DVCPRO HD</td>
<td>DVCPRO HD</td>
<td>DVCPRO HD</td>
<td></td>
</tr>
<tr>
<td>DNXHD (optional)</td>
<td>DNXHD (optional)</td>
<td>DNXHD (optional)</td>
<td></td>
</tr>
<tr>
<td>AVC-Intra (record only)</td>
<td>H.264 (optional – play only)</td>
<td>H.264 (optional – play only)</td>
<td></td>
</tr>
<tr>
<td>MPEG-2 up to 50 Mb/s</td>
<td>MPEG-2 up to 50 Mb/s</td>
<td>MPEG-2 up to 50 Mb/s</td>
<td></td>
</tr>
<tr>
<td>DVCPR025</td>
<td>DVCPR025</td>
<td>DVCPR025</td>
<td></td>
</tr>
<tr>
<td>DVCPR050</td>
<td>DVCPR050</td>
<td>DVCPR050</td>
<td></td>
</tr>
<tr>
<td>XDCAM (IMX 30/40/50)</td>
<td>XDCAM (IMX 30/40/50)</td>
<td>XDCAM (IMX 30/40/50)</td>
<td></td>
</tr>
<tr>
<td>H.264 (optional – play only)</td>
<td>H.264 (optional – play only)</td>
<td>H.264 (optional – play only)</td>
<td></td>
</tr>
</tbody>
</table>

Shared Storage Codec Support

NEXIO Volt shared storage servers support a variety of codecs. Available codecs and data rates for the different channel counts are shown in the table below for NEXIO Volt shared storage servers. Reduced choices for HD codecs exist for 3- and 4-channel modes because of available Ethernet bandwidth through Media Host gateways.
**OPTIONAL MEDIA APPLICATIONS FOR PERFORMANCE ENHANCEMENT**

Any of the following optional media applications can be added to NEXIO Volt to boost the performance of the server:

### Shared Storage Connectivity

As the need for immediate content sharing grows, the NEXIO Volt integrated storage server can be reconfigured to connect to the NEXIO shared storage system via redundant gigabit Ethernet. This software change allows the server to enjoy the same level of content sharing as all other NEXIO servers — instant access to all content, all the time, by all users, without restrictions.

### NEXIO ClipSync™

NEXIO ClipSync is an optional application that allows NEXIO Volt to play two clips in sync for key-plus-fill and similar applications when the two elements exist as separate clips.

### NEXIO Delay™

NEXIO Delay is an optional application that applies a delay to an air channel for safety in live-to-air transmissions, or for time zone-specific playback delay.

### NEXIO Navigator

NEXIO Navigator is an SNMP-based application that supports remote monitoring and diagnostics of NEXIO servers and network-attached devices, enabling potential problems to be identified before they impact the on-air product.

### NXA1000DNXHD-SL

Support is available for the Avid DNxHD® codec, enabling NEXIO AMP and NEXIO Volt servers to ingest and play out the Avid DNxHD format. DNxHD is an option for NEXIO servers and is enabled by software license key. DNxHD is licensed on a per server (chassis) basis.

### NXA1000H264-SL

H.264 is an optional codec available for NEXIO Volt servers and is enabled by software license key. H.264 codec (MPEG-4 Part 10) is supported for file ingest and baseband playout. H.264 is licensed on a per server (chassis) basis. Supporting H.264 allows NEXIO Volt servers to import native format content from file distribution systems, such as PathFire and PitchBlue, bypassing the need for additional transcoding.

### NEXIO AMP Track Router

The NEXIO Track Router application (NXA-TR) is an optional media application for NEXIO servers and is enabled by software license key. It is supported in NEXIO NXOS and NEXIO Remote interface to control audio channel assignments, track order and audio and caption file import and export. Audio and closed caption files are imported via the NEXIO FTP server. Functionality is also available via automation control.

### NEXIO FTP Server and FTP Client

The NEXIO FTP Server application enables the movement of material from server domain to server domain, and the import and export of material outside of the NEXIO server environment via Ethernet. The NEXIO FTP Client facilitates MXF file exchange and simplified transfer of Panasonic® P2 and Sony® XDCAM/XDCAM HD files (including access to multiple XDCAM decks via Ethernet)
NEXIO Volt Compact 1RU Integrated and Shared Storage Transmission Servers

SPECIFICATIONS
Specifications are subject to change without notice.

System Configuration
Mainframe . . . . . . . . . . . . . . . . . . 2 AMD Opteron 64-bit processors
PCIe platform
16 GB RAM
Mirrored boot drive (shared storage version)
Five SATA media drives (internal storage version)
Two 10/100/1000Base-T Ethernet ports
VGA monitor interface
4 USB 2.0 ports (2 front, 2 rear)
PS/2 keyboard and mouse ports
Windows® XP Professional x64 Edition

Storage
Shared Storage . . . . . . . . . . . . . . 8 or 16 drives per chassis up to 192 drives (300 or 600 GB) per
NEXIO shared storage system up to 384 drives
(300 or 600 GB) per NEXIO shared storage system using Patented
Intrinsic Mirroring up to 8, 96 drive stacks with
NEXIO Farad
Integrated Storage . . . . . . . . . . . . . 5 internal SATA media drives
2 TB usable media storage
Reconfigurable to join a NEXIO SAN

Audio
Channels and Formats . . . . . . . . . . 8 pairs embedded per video I/O channel
(4 pairs if using 24-bit PCM on SD video)
Inputs . . . . . . . . . . . . . . . . . . . . BNC (embedded)
Outputs . . . . . . . . . . . . . . . . . . . BNC (embedded)
Processing and Storage . . . . . . . . 16-, 20- or 24-bit PCM, 48 kHz
Compressed Audio . . . . . . . . . . . . Dolby® Digital (AC3) and Dolby® E passthrough

Video Formats
SD . . . . . . . . . . . . . . . . . . . . . . . 525 @ 29.97 f/s, 625 @ 25 f/s
HD . . . . . . . . . . . . . . . . . . . . . . 1080i @ 29.97 f/s and 25 f/s
720p @ 59.94 f/s and 50 f/s

Standard Channel Configurations
SD . . . . . . . . . . . . . . . . . . . . . . . 2 bidirectional channels
2 bidirectional + 2 play-only channels
No up/down/cross conversion support
HD or Mixed SD/HD . . . . . . . . . . . . 2 bidirectional channels
1 ingest-only + 2 play-only channels
3 play-only channels
2 ingest-only + 2 play-only channels
1 ingest-only + 3 play-only channels
4 play-only channels
Up/down/cross conversion support
* Channel configurations controlled by software license key
Some features may not be supported in all configurations; consult your sales representative for details

Inputs
SD . . . . . . . . . . . . . . . . . . . . . . . 2 SDI, BNC (SMPTE 259M)
HD or Mixed HD/SD . . . . . . . . . . . . 2 SDI, BNC (SMPTE 292M)

Genlock Reference
SD . . . . . . . . . . . . . . . . . . . . . . . Bi-level sync support
HD . . . . . . . . . . . . . . . . . . . . . . . Bi-level or tri-level sync support

Outputs
SD . . . . . . . . . . . . . . . . . . . . . . . 4 SDI, BNC (SMPTE 259M)
2 SDI, active loop-throughs
HD or Mixed HD/SD . . . . . . . . . . . . 4 HD-SDI, BNC (SMPTE 292M)
2 HD-SDI, active loop-throughs

Aspect Ratio
SD . . . . . . . . . . . . . . . . . . . . . . . 16:9, 4:3
HD . . . . . . . . . . . . . . . . . . . . . . . 16:9
Aspect Ratio Conversion . . . . . . . . Up/down/cross conversion support with
EIA- 608<>708 caption conversion
AFD Support . . . . . . . . . . . . . . Insert/override embedded AFD metadata on a
per-ID or per-port basis
SMPTE 2016 and ATSC TSG-814

HD Encoding/Decoding: (Integrated and Shared Storage)
MPEG-2 I-frame . . . . . . . . . . . . . . 4:2:0 (4 to 15 Mb/s), 4:2:2 (10 to 50 Mb/s)
MPEG-2 long-GOP . . . . . . . . . . . . 4:2:0 (4 to 15 Mb/s), 4:2:2 (10 to 50 Mb/s)
IMX . . . . . . . . . . . . . . . . . . . . . . . . 30, 40 and 50 Mb/s
DVCPRO50 . . . . . . . . . . . . . . . . . . 50 Mb/s
DVCPRO HD . . . . . . . . . . . . . . . . . 100 Mb/s

HD Encoding/Decoding: (Integrated Storage – 2 and 3 Channel)
MPEG-2 I-frame . . . . . . . . . . . . . . 4:2:0 (50, 80 and 100 Mb/s)
4:2:2 (50, 70, 80, 100, and 120 Mb/s)
MPEG-2 long-GOP . . . . . . . . . . . . 4:2:0 (18, 25, 35, 50, 70 and 80 Mb/s)
4:2:2 (25, 35, 50, 70 and 80 Mb/s)
XDCAM HD . . . . . . . . . . . . . . . . . 35 Mb/s
XDCAM HD422 . . . . . . . . . . . . . . . 50 Mb/s
XDCAM EX . . . . . . . . . . . . . . . . . . 35 Mb/s
DVCPRO HD . . . . . . . . . . . . . . . . . 100 Mb/s

HD Encoding/Decoding: (Integrated Storage – 4 Channel)
MPEG-2 I-frame . . . . . . . . . . . . . . 4:2:0 (50, 80 and 100 Mb/s)
4:2:2 (50, 70, 80, 100, and 120 Mb/s)
MPEG-2 long-GOP . . . . . . . . . . . . 4:2:0 (18, 25, 35, 50, 70 and 80 Mb/s)
4:2:2 (25, 35, 50, 70 and 80 Mb/s)
XDCAM HD . . . . . . . . . . . . . . . . . 35 Mb/s
XDCAM HD422 . . . . . . . . . . . . . . . 50 Mb/s
XDCAM EX . . . . . . . . . . . . . . . . . . 35 Mb/s
DVCPRO HD . . . . . . . . . . . . . . . . . 100 Mb/s

AFD Support . . . . . . . . . . . . . . Insert/override embedded AFD metadata on a
per-ID or per-port basis
SMPTE 2016 and ATSC TSG-814

* Channel configurations controlled by software license key
Some features may not be supported in all configurations; consult your sales representative for details

969 Horsham Road • Horsham, Pennsylvania 19044 USA • Phone: 215-675-2053 Fax: 215-675-7543 • info@tonercable.com
HD Encoding/Decoding: (Shared Storage – 2 Channel)
- **MPEG-2 I-frame**: 4:2:0 (50, 80 and 100 Mb/s), 4:2:2 (50, 70, 80, 100, 120 and 150 Mb/s)
- **MPEG-2 long-GOP**: 4:2:0 (18, 25, 35, 50, 60, 70 and 80 Mb/s), 4:2:2 (25, 35, 50, 70 and 80 Mb/s)
- **XDCAM HD**: 35 Mb/s
- **XDCAM HD422**: 50 Mb/s
- **XDCAM EX**: 35 Mb/s
- **DVCPRO HD**: 100 Mb/s
- **AVC-Intra**: 50 and 100 Mb/s (encode only)
- **DNxHD (optional)**: 145, 220 Mb/s (NTSC) and 120, 185 Mb/s (PAL), 8 and 10-bit
- **H.264 (optional)**: 1 to 26+ Mb/s, 8 and 10-bit (decode only)

HD Encoding/Decoding: (Shared Storage – 3 Channel)
- **MPEG-2 I-frame**: 4:2:0 (50, 80 and 100 Mb/s), 4:2:2 (50, 70, 80, and 100 Mb/s)
- **MPEG-2 long-GOP**: 4:2:0 (18, 25, 35, 50, 60, 70 and 80 Mb/s), 4:2:2 (25, 35, 50, 70 and 80 Mb/s)
- **XDCAM HD**: 35 Mb/s
- **XDCAM EX**: 35 Mb/s
- **XDCAM EX2**: 50 Mb/s
- **H.264 (optional)**: 1 to 26+ Mb/s, 8 and 10-bit (decode only)

HD Encoding/Decoding: (Shared Storage – 4 Channel)
- **MPEG-2 I-frame**: 4:2:0 (50 Mb/s), 4:2:2 (50 Mb/s)
- **MPEG-2 long-GOP**: 4:2:0 (18, 25, 35, 50 Mb/s), 4:2:2 (25, 35, 50 Mb/s)
- **XDCAM HD**: 35 Mb/s
- **XDCAM HD422**: 50 Mb/s
- **XDCAM EX**: 35 Mb/s
- **H.264 (optional)**: 1 to 26+ Mb/s, 8 and 10-bit (decode only)

### Raid Redundancy
- **Controller**: RAIDsoft software RAID management system
- **RAID Protection Scheme**: RAID 3 (single-drive parity)

### Timecode Support
- **Input/Output**: RS-232, TCP/IP, Harris clock interface
- **Remote Serial Interface**: Input/Output: 4 RS-422 ports, RJ-12 connector

### Control
- **Input/Output**: RS-422, TCP/IP socket or UDP over Ethernet
- **Protocols**: NEXIO native protocol, VDCP, Sony® 9-pin

### Physical Characteristics
- **Dimensions (H x W x D)**: 1.75 x 19 x 26.25 in (4.4 x 48.3 x 66.7 cm)
- **Weight**: Integrated Storage, 28 lbs (12.7 kg), Shared Storage, 27 lbs (12.3 kg)

### Power
- **Power Supply**: Dual hot-swappable, dual load-sharing
- **Voltage**: 115 to 240 VAC
- **Current**: 8 to 4 A
- **Frequency**: 60 to 50 Hz
- **Total DC Output**: 650 W
- **Idle Consumption**: 144 W @ 240 V, 156 W @ 120 V
- **Peak Consumption**: 264 W @ 240 V, 296 W @ 120 V

### Environmental
- **Operating Temperature**: 50° to 85° F (10° to 30° C)
- **Non-operating Temperature**: -40° to 158° F (-40° to 70° C)
- **Operating Relative Humidity**: 8% to 90% (non-condensing)
- **Non-operating Relative Humidity**: 5% to 95% (non-condensing)
- **Operating Altitude**: 10,000 ft (3,048 m) @ 77° F (25° C)
# NEXIO Volt Compact 1RU Integrated and Shared Storage Transmission Servers

## ORDERING INFORMATION

### Integrated Storage NEXIO Volt Servers

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NXLVT1401HDI2S</td>
<td>NEXIO Volt 1RU SD/HD integrated storage server, 2-channel SD-only</td>
</tr>
<tr>
<td>NXLVT1401HDI4S</td>
<td>NEXIO Volt 1RU SD/HD integrated storage server, 4-channel SD-only</td>
</tr>
<tr>
<td>NXLVT1401HDI2H</td>
<td>NEXIO Volt 1RU SD/HD integrated storage server, 2-channel SD/HD or 4-channel SD-only</td>
</tr>
<tr>
<td>NXLVT1401HDI3H</td>
<td>NEXIO Volt 1RU SD/HD integrated storage server, 3-channel SD/HD or 4-channel SD-only</td>
</tr>
<tr>
<td>NXLVT1401HDI4H</td>
<td>NEXIO Volt 1RU SD/HD integrated storage server, 4-channel SD/HD or 4-channel SD-only</td>
</tr>
</tbody>
</table>

### Shared Storage NEXIO Volt Servers

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NXLVT1401HDX2S</td>
<td>NEXIO Volt 1RU SD/HD Shared Storage Server, 2-channel SD-only</td>
</tr>
<tr>
<td>NXLVT1401HDX4S</td>
<td>NEXIO Volt 1RU SD/HD Shared Storage Server, 4-channel SD-only</td>
</tr>
<tr>
<td>NXLVT1401HDX2H</td>
<td>NEXIO Volt 1RU SD/HD Shared Storage Server, 2-channel SD/HD or 4-channel SD-only</td>
</tr>
<tr>
<td>NXLVT1401HDX3H</td>
<td>NEXIO Volt 1RU SD/HD Shared Storage Server, 3-channel SD/HD or 4-channel SD-only</td>
</tr>
<tr>
<td>NXLVT1401HDX4H</td>
<td>NEXIO Volt 1RU SD/HD Shared Storage Server, 4-channel SD/HD or 4-channel SD-only</td>
</tr>
</tbody>
</table>

### NEXIO Volt Channel Upgrades

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NXLVT1401HDI2H</td>
<td>Software only – Add 1 HD channel. For NXLVT1401HDX2H or NXLVT1401HDI2H and NXLVT1401HDX3H or NXLVT1401HDI3H</td>
</tr>
<tr>
<td>NXLVT1401HDI2S</td>
<td>Software only – Add 2 SD channels. For NXLVT1401HDX2S or NXLVT1401HDI2S</td>
</tr>
</tbody>
</table>

### NEXIO Volt Spare Parts

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NX1010SPS</td>
<td>Shelf spare or replacement 650 W power supply for NXLTV1010 and NXLTV1401 1RU chassis</td>
</tr>
<tr>
<td>NXLVT1401HDXSLCD</td>
<td>Replacement front panel, including LCD panel, for NEXIO Volt Integrated Storage Server</td>
</tr>
<tr>
<td>NXLVT1401HDXSLCD</td>
<td>Replacement front panel, including LCD panel, for NEXIO Volt Shared Storage Server</td>
</tr>
<tr>
<td>NX1010SATA160</td>
<td>Spare baseband video I/O card assembly for NEXIO Volt</td>
</tr>
<tr>
<td>NXLVT-SATA500</td>
<td>Spare 500 GB SATA Media drive with carrier for NEXIO Volt HD internal storage server</td>
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</tbody>
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### NEXIO Volt Service Contracts

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<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NXLVT-BASIC</td>
<td>1-Year Basic ServicePAK for NEXIO Volt</td>
</tr>
<tr>
<td>NXLVT-GOLD</td>
<td>1-Year Gold ServicePAK for NEXIO Volt</td>
</tr>
</tbody>
</table>

### NEXIO Volt Optional Codecs

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NXLVT1000DNXHD-SL</td>
<td>Avid DNxHD Codec Server License. Software license key enables NEXIO Volt to ingest and play out the Avid DNxHD format. 1 license required per chassis</td>
</tr>
<tr>
<td>NXLVT1000H264-SL</td>
<td>H.264 Codec Server License. Software license key enables NEXIO Volt to import files and play out baseband using the H.264 codec. 1 license required per chassis</td>
</tr>
</tbody>
</table>