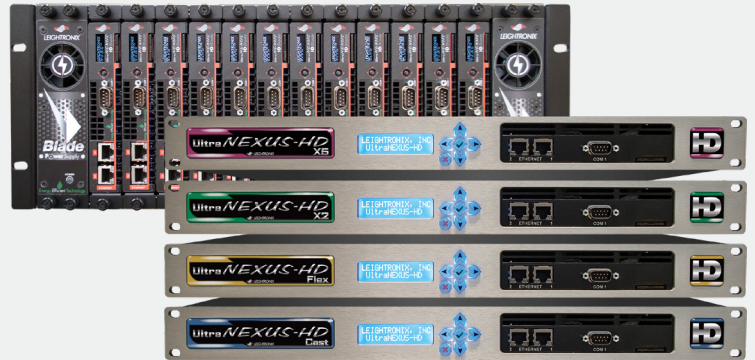


UltraNEXUS-HD Blade™

Technical Specifications



Dimensions and Weight

Height: 7 inches
Depth: 8 inches

Width: 19 inches
Weight: Dependent on number of channels (up to 12 in a single 4RU chassis)

Internal Specs

Video Encoding: H.264; variable video bit rate encoding up to 10Mb/s (.m2t)

Audio Encoding: AAC-LC

Supported File Types:

MP4 (H.264, AAC)
MOV (H.264, AAC)
MPG (MPEG2, Layer-2)
M2T (H.264, AAC, Layer-2)

Internal Clock: Battery-backed time and date, temperature compensated crystal oscillator for high accuracy

Power Supply: Two (2) redundant power supplies which accept 90-264VAC @ 47-63Hz

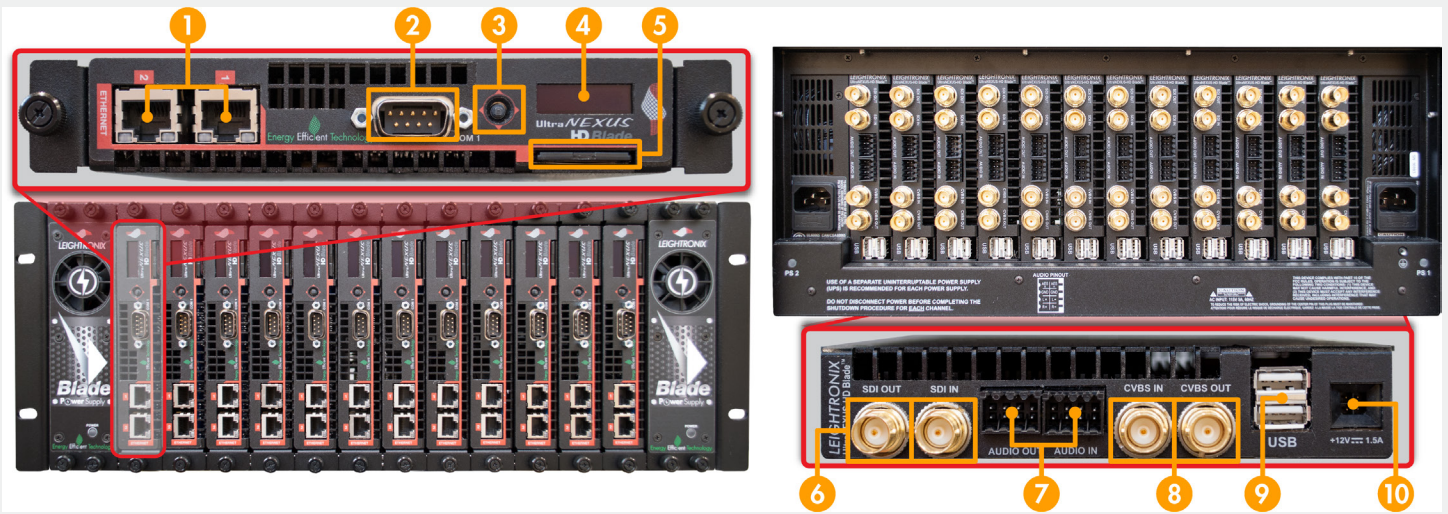
Product Safety:

Product Listed to UL 62368-1 and CAN/CSA C22.2 No. 62368-1
Audio/Video, Information and Communication Technology Equipment

Compliance: FCC Part 15

Digital Media Licensing: Licensed under MPEG-LA® LLC's MPEG-2 Systems Patent Portfolio

Warranty: Five year, parts and labor



Front Panel

- 1 **Ethernet Ports:** One eight-position/eight-conductor RJ-45 modular Ethernet jack provides high speed 100/1000BASE-T Ethernet connection to a TCP/IP network with user-configurable IP address, subnet, and gateway. Remotely control system and manage digital media using the provided WinLGX software. A second Ethernet port is included for future expansion.
- 2 **COM 1 Port:** RS-232 serial port with 9-pin male connector for use with LEIGHTRONIX supported audio/video routers with a maximum supported matrix size of 250 inputs by 250 outputs.
- 3 **Multidirectional Button:** A 5-way button is used to navigate status and information screens and provide password-protected access to the system configuration menu. Quickly and easily configure the UltraNEXUS-HD Blade for network connection (IP address, subnet, gateway) and enable/disable key system functions.
- 4 **Display:** liquid crystal display provides information on time/date, hardware/firmware versions, serial number, and IP address.
- 5 **Secured Digital (SD) Card:** The UltraNEXUS-HD Blade keeps all crucial operating system and other system files self-contained on an SD card.

Back Panel

- SDI Input and Output** with support for embedded audio.
- 6
 - **SDI input:** BNC digital video input for recording SD-SDI (SMPTE 259M) and HD-SDI (SMPTE 292M) signals with support for embedded audio (SMPTE 272M — SD) (SMPTE 299M — HD).
 - **SDI output:** BNC digital video output of HD-SDI 1080i or 720p (SMPTE 292M) signal with support for embedded audio (SMPTE 299M).
 - 7 **Terminal Blocks:** Support for digital AES and balanced analog audio connections.
 - 8 **Composite Video Output Connector:** One BNC composite output for a down-scaled, analog signal.
 - 9 **USB Ports:** Connect up to two LEIGHTRONIX external hard drive units for up to four terabytes of increased digital media storage capacity.
 - 10 **Power Cord Connector**