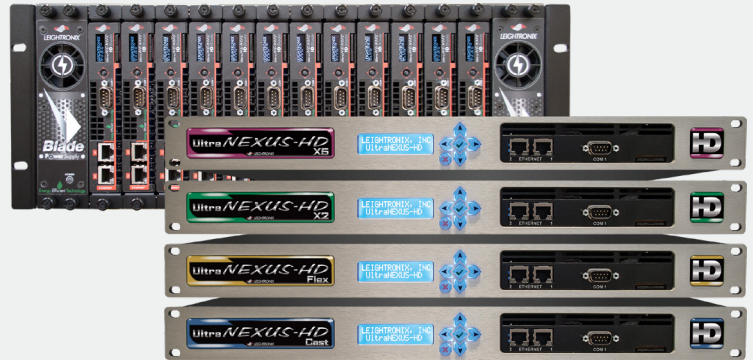


# UltraNEXUS-HD™ Flex Technical Specifications



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## Dimensions and Weight

**Height:** 1.75 inches  
**Depth:** 8 inches

**Width:** 19 inches  
**Weight:** 6.4 pounds

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## 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)

**Video/Audio Recording Capacity:** 1 TB of storage with optional expansion

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

**Power Supply:** Internal power supply which accepts 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 years, parts and labor

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## Front Panel

- 1 **Display:** liquid crystal display provides information on time/date, hardware/firmware versions, serial number, and IP address.
- 2 **Keypad:** Six push buttons are used to display status and information screens and provide password-protected access to the system configuration menu. Quickly and easily configure the UltraNEXUS-HD Flex for network connection (IP address, subnet, gateway) and enable/disable key system functions.
- 3 **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.
- 4 **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.
- 5 **Secured Digital (SD) Card:** The UltraNEXUS-HD Flex keeps all crucial operating system and other system files self-contained on an SD card.

## Back Panel

- 6 **COM 2 and COM 3 Ports:** RS-232 serial ports with 9-pin male connectors for future use with serial communications.
- 7 **SDI Input and Output** with support for embedded audio.
  - **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).
- 8 **Terminal Blocks:** Support for digital AES and balanced analog audio connections.
- 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 Switch:** Turns the UltraNEXUS-HD Flex on and off.
- 11 **Power Cord Connector**