



LABvault-HD

High Definition Digital Video Player/Recorder



The LABvault-HD™ is a specialized digital video and audio recorder designed to assist users in easily capturing an event, process, procedure, or any other occurrence that requires high-definition video documentation. With simple push button operation, users can create an indisputable, digital video and audio record with a digital media file that can be reviewed on a connected television monitor, archived on a network storage area, or transferred for display on a high-definition, broadcast video server such as the LEIGHTRONIX E-HD2™ and UltraNEXUS-HD™ or for Internet video-on-demand streaming using VieBit™.

High-Definition Video Capture for Review, Sharing, Archiving, and Playback

The LABvault-HD is the ideal recording solution when reliable video documentation is critical, such as during education/training reviews, litigious situations, employee interviews, laboratory processes, focus groups, surveys, and medical procedures.

HIGHLIGHTS

- Easy Setup and Control via Administrative Browser-Based Interface
- Optional Control for Select Touch Screen Control Systems, Including Options from Crestron® and AMX®
- Extended Length, Continuous Individual Recording Sessions for up to 24 Hours
- Internal Hard Drive Storage for Temporary Storage of Digital Media Files
- Rack Mount or Tabletop Configuration
- Automatic File Transfer to Archive Server or LEIGHTRONIX E-HD2 or UltraNEXUS-HD High-Definition Video Servers
- Automatic File Transfer to VieBit™ Video-on-Demand Internet Streaming Service from LEIGHTRONIX
- Hardware H.264 Media Encoder Produces Amazing High-Definition Video Images at Bit Rates Below 6Mb/s

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High-Performance Encoding

Hardware-based, H.264 high-definition digital video encoding means you get amazing imagery with minimal storage requirements. H.264 encoding technology outperforms other HD codecs, producing video images at bit rates half those needed by MPEG-2 technology. Digital encoding efficiency means supreme quality video images at manageable file sizes.

Touch Screen Control Interface

As an option, users can connect a third party, touch screen control system directly to the LABvault-HD. To initiate a recording, simply enter a target file name and select "Begin Recording" from the "Setup Recording" menu. Recording parameters for video quality are preset from the Web interface, simplifying the process. Upon completion, video can be reviewed immediately on a local monitor connected to the LABvault-HD.

Specifications

H.264 Hardware Encoder/Decoder

- One H.264 Digital Video Encoder
- One H.264 Playback (Decoder) Preview Channel
- HD Encoding and Decoding — H.264 High Profile Level 4, 1080i and 720p
- SD Encoding and Decoding — H.264 High Profile Level 3, 480i
- Audio Encoding — MPEG-1 Audio Layer 2

Digital Media Storage

- 200 GB Internal Digital Media Storage

Administrative Browser-Based Interface

The LABvault-HD features a built-in browser-based interface, allowing users to connect to the video capture system using a standard browser. The interface provides full control for system setup, monitoring/status, recording control, playback, and digital media transfer to a destination server(s).

Media Distribution and Sharing

Newly created digital media files can be viewed immediately on a local playback monitor after a recording is complete. Captured media can be automatically transferred via network to an archive/ playback video server or video-on-demand streaming service. Media can be easily accessed through an internal network on a desktop or copied to a DVD or memory stick for mobile distribution. No matter the destination, the LABvault-HD's automatic file transfers make both the delivery of media, and accessing that media for review, simple and effective.

Digital Video I/O

- BNC-F HD/SD-SDI (SMPTE292M) Video Input
- BNC-F HD/SD-SDI (SMPTE292M) Video Output
- Support for Embedded Audio

Digital and Analog Audio I/O

- Digital AES Balanced Audio Connections
- Analog Balanced Audio Connections