Ocean Television
Digital Video Technology Designed for Onboard Video Broadcasting

LEIGHTRONIX specializes in video equipment design and manufacturing, including digital video solutions, television automation, live and video-on-demand streaming media, IPTV, and remote equipment control. A model of stability and longevity in the quickly evolving professional video market, LEIGHTRONIX continually prioritizes product value and versatility, exceeding customer expectations in both product performance and support. LEIGHTRONIX offers quality equipment at affordable prices, making it one of the most trusted names in the video communications industry for over 36 years. For more information, visit www.leightronix.com.

- Broadcast Channel Automation Servers With Proven Onboard Performance designed to specifically increase efficiency and ease of operation with the broadcast operator in mind.
- High-Definition Recording and Playback using UltraNEXUS-HD™ series video servers from LEIGHTRONIX for one or multiple broadcast video channels.
- Intelligent Program Schedules that match the exact length of your cruise with automated scheduled rollback for embarking on the next cruise.
- Virtual Channels that easily allow creation of customized playlists which can be quickly dropped into a specific day of the cruise to promote the next port, excursion, or onboard activity.
- Easy Drag and Drop Video and Slide Scheduling provides you with automated recording and playback through one or multiple cruises.
- Fast Find/Replace and Copy/Paste functions for replacing or duplicating a single program, multiple programs, or copying an entire day's schedule to another day.
- On-Demand Messaging for emergencies or general announcements that overlay your digital video programs or slides.
- Corporate Branding of Channels with logos and bugs to standardize the look and feel of your channels across an entire fleet.
- Weather Alerts and other notifications can be highlighted as video and slide overlays from our large library of graphic icons or easily add your own.
Ocean Television

Enhance each passenger’s onboard experience while enticng guests to participate in everything each cruise has to offer with an onboard video broadcasting system from LEIGHTRONIX.

Backed by decades of experience and product innovation, LEIGHTRONIX digital video technology changes the way onboard television and information is delivered. Engage, entice, and inform your passengers with dynamic video programming that is easily customized for each vessel, yet compatible across an entire fleet.

Entertain
Deliver thousands of hours of dynamic entertainment programming through designated onboard channels that have the ability to change based on a ship’s day within route. Easily configure channel line-ups to include movies, television series, and programming from satellite feeds.

Inform
Use the power of video messaging and digital signage to accommodate on-the-go guests with information instantly. Use fullscreen signage or zones with text and graphic overlays to create messaging that accompanies video programming to help make the most out of every guest’s daily onboard experience.

Alert
Easily create and activate timely messages when it’s vital to inform your guests quickly. Use video overlays to generate and display video graphics and text aimed at alerting and informing your passengers without interrupting regularly scheduled programming.

Promote
Keep passengers engaged by promoting services available for purchase with video clips highlighting each ship’s numerous onboard attractions that include your restaurants, casinos, shops, spas, and more. Generate interest in excursions at the next port-of-call by utilizing advanced cruise clock control that replaces traditional day-of-the-week scheduling with schedules developed for the duration of a specific cruise.

Choose the digital video solution that complements a luxury cruise, enhancing the premium passenger experience.
• **Broadcast Channel Automation Servers With Proven Onboard Performance** designed to specifically increase efficiency and ease of operation with the broadcast operator in mind.

• **High-Definition Recording and Playback** using UltraNEXUS-HD™ series video servers from LEIGHTRONIX for one or multiple broadcast video channels.

• **Intelligent Program Schedules** that match the exact length of your cruise with automated scheduled rollback for embarking on the next cruise.

• **Virtual Channels** that easily allow creation of customized playlists which can be quickly dropped into a specific day of the cruise to promote the next port, excursion, or onboard activity.

• **Easy Drag and Drop Video and Slide Scheduling** provides you with automated recording and playback through one or multiple cruises.

• **Fast Find/Replace and Copy/Paste** functions for replacing or duplicating a single program, multiple programs, or copying an entire day’s schedule to another day.

• **On-Demand Messaging** for emergencies or general announcements that overlay your digital video programs or slides.

• **Corporate Branding of Channels** with logos and bugs to standardize the look and feel of your channels across an entire fleet.

• **Weather Alerts** and other notifications can be highlighted as video and slide overlays from our large library of graphic icons or easily add your own.
LEIGHTRONIX Video Servers

With multiple configurations available, the modular design of LEIGHTRONIX video server technology provides the flexibility to meet and exceed the needs of an onboard video broadcasting system. Easily configure any number of video servers for a multichannel digital video delivery system that provides uniformity across an entire fleet while allowing for customization on every ship.

As the definitive digital video solution for onboard broadcasting, LEIGHTRONIX provides the flexibility to schedule video programming, promotional content, and digital slide shows. That, coupled with access to exclusive, fully automated LEIGHTRONIX features, makes this series the key building block in an onboard, multichannel broadcasting system.

LEIGHTRONIX video servers are compact, reliable, and designed for the most demanding environments. Plus, every server comes with a five year warranty along with free technical support and free software/firmware updates for life.

Digital Video Designed for Ocean Television

- Server playback channels include video slide capability with graphics and text overlay — save thousands by eliminating the need for external graphics hardware
- Integrated connectivity for high-capacity network attached storage allows programming to be shared across multiple servers without copying files to each device
- Flexible, modular video server system — easily configure any number of digital playback and record channels
- Deploy uniform hardware and video content fleet-wide, while adding customization on a ship-by-ship basis
- Custom branded digital video on every channel
- Integration with LGX-CC™ Cruise Clock allows program scheduling based on cruise durations
- Best-in-class product warranty and support

Features and Technical Specifications

**Video**
- High-definition H.264 technology
- HD/SD-SDI input
- HD-SDI and composite outputs
- Simultaneous HD and SD (composite) signal output, scaled on both HD-SDI and composite outputs

**Audio**
- Embedded digital audio, AES digital audio, balanced analog audio

**Video Codec**
- H.264 high profile, level 4.0, 1080i, 720p, and 480i

**Server Channels**
- UltraNEXUS-HD X2: One digital video playback and record channel
- UltraNEXUS-HD Blade™: Up to 12 digital video playback and record channels in a four rack unit chassis

**Digital Video Messaging**
- Fullscreen, zones, or partial screen messages with text and graphic overlays, force emergency messaging, and logo insertion
- Includes advanced, browser-based slide editor packed with features
The LGX-CC Cruise Clock provides a master day-of-cruise, time-of-day reference point for the entire LEIGHTRONIX video broadcasting system within a cruise ship. Eliminating problems often associated with a standard seven-day or date-based broadcast automation system, the LGX-CC Cruise Clock caters to the cruise line industry’s diverse set of itineraries.

**Digital Media Storage**
- Scalable and sharable RAID storage up to 16TB with network attached storage (NAS)
- Internal 2TB hard drive in the UltraNEXUS-HD X2 single channel unit
- Up to 4TB external USB RAID storage per channel

**Digital Media Licensing**
- Licensed under MPEG LA® LLC’s MPEG-2 Patent Portfolio

**Power**
- Input: three-position IEC power input with removable power cord
- Power supply: internal, accepts 100 to 240VAC @ 50 to 60Hz
- Redundant power supplies included in the UltraNEXUS-HD Blade chassis
- Less than 220w power consumption in a fully loaded UltraNEXUS-HD Blade chassis (12 channels)

**Warranty and Support**
- Five year parts and labor warranty with free support for the life of the product

**Safety and Compliance**
- Product safety:
  - Conforms to UL Standard 60065
  - Certified to CSA Standard C22.2 No. 60065
  - Audio, Video, & Similar Electronic Apparatus
- Compliance: FCC Part 15, Subpart A
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