This product complies with the NDI|HX, a technology of NewTek, Inc.

**LS-US2N Media Station**

- Mixing, Switching, Recording and Live Streaming for 2 USB and Network Sources
- NDI|HX Support for NDI-based Video Production
- Supports 1080p Full HD Resolution, USB Speakerphones, Interactive Touch Displays, and More
Capture Up to 2 Video Sources in a Layout of Your Choosing

Mix USB (UVC)*, RJ-45 LAN camera and streaming inputs together with USB (UAC) audio and create a complete mixed video plus 2 individual video channel recordings with a push of one button. LS-US2N is compatible with network-based H.264 RTMP/ RTP/ RTSP (video only) and NDI|HX sources.

* LS-US2N comes in a bundle with an HDMI-to-USB (UVC) dongle that allows the device to support video input from HDMI sources like computers and interactive boards.

Adding Titles & Graphics to Your Video

With LS-US2N, users can easily switch and mix between sources, add or remove logos, backgrounds, overlay graphics, and subtitles to create their own custom and professional lecture video.

Intuitive and Versatile Control Options

LS-US2N comes with numerous control options, including AREC Online Director web page (Chrome, Edge, IE), Interactive Graphical User Interface (GUI), and Mini Controller web interface for mobile devices. LS-US2N is also fully compatible with free to use AREC software, such as Online Director Application, Station Manager, and others. AREC also provides an APK for additional integration with interactive flat panel displays.**

Main Features

- **Easy to Record and Stream a Professional Video**
  AREC LS-US2N, a compact and all-in-one Media Station, supports capturing, switching, mixing, recording and simultaneously live streaming 2 Full HD video sources. LS-US2N supports RTMP based platforms like YouTube, Facebook, Twitch, Wowza, and other CDNs straight from the box.

- **On-screen GUI & USB Interface**
  The on-screen GUI supports mouse device control through USB connection.

- **Web/ SW-based Online Director**

- **Mini Controller from Mobile Device**

- **AREC Recording APK for Android Interactive Whiteboards**

- **Intuitive and Versatile Control Options**
  LS-US2N comes with numerous control options, including AREC Online Director web page (Chrome, Edge, IE), Interactive Graphical User Interface (GUI), and Mini Controller web interface for mobile devices. LS-US2N is also fully compatible with free to use AREC software, such as Online Director Application, Station Manager, and others. AREC also provides an APK for additional integration with interactive flat panel displays.**
AREC Video Manager: Videos with Just One Click
With the built-in Video Manager, administrators or teachers can manage videos stored in the local LS-US2N Media Station remotely. They can download, upload or delete video files, and edit video metadata.

Recording and Backup
LS-US2N is integrated with Panopto, Kaltura, and OpenCast platforms. It can also record and save videos on a connected USB storage. It supports automatic backup and upload of recordings after their completion to AREC MediaCenter, FTP, and SFTP servers, and can use NAS for storage.

- Users will need to have a valid account on OpenCast, Panopto, or Kaltura to use these platforms together with LS-US2N.

Product Appearance and Interfaces

On-Screen Graphical User Interface

- The on-screen GUI supports mouse device control through USB connection.
## Specifications

### Model Name
AREC LS-US2N Media Station

### Input Connection
- **Video-in Interface**
  - USB (UVC): 2 channels
  - RJ-45: 2 channels (supports AREC Full HD network camera)
  - IP Streaming: 2 channels

- **Audio-in Channels**
  - USB (UAC): 1 channel / IP Audio: 2 channels

- **Audio Mixing**
  - Mix multiple audio input sources into 1

### Max. Video-in Channels
Maximum 2 channels synchronized recording

### Resolution Range
Up to 1080p60, multiple codec resolution available RTP/RTMP/RTSP/NDI|HX, Max.: 1080p30

### Video Outputs
- 1x HDMI (GUI with 1 output option from PGM, inputs monitoring and mixing display)
- 1x DisplayPort
- 2x H.264/AVC digital video over Ethernet

### Audio Outputs
- 1x HDMI
- 1x DisplayPort

### Max. Output Resolution
1080p60

### Stream Processing
- **Compression**
  - H.264/AVC/NDI|HX
- **Frame Rate**
  - Max. 30fps
- **Bit Rate**
  - 300Kbps~8Mbps
- **Resolution**
  - Max. 1080p (640x360 ~ 1920x1080)

### Audio Processing
- **Compression**
  - AAC-LC
- **Bit Rate**
  - 80Kbps~320Kbps

### Video Outputs
- **Video Outputs**
  - RTP: RTMP (RTMPS), RTSP, NDI|HX

### Audio Mixing
- **Audio Mixing**
  - Mix multiple audio input sources into 1

### Schedule Recording
Yes, supports iCalendar format (.ics file) for automatic recording/streaming, such as Google Calendar

### Recording Layouts
Multiple default and user-defined layouts are available, including full screen/picture-in-picture/picture-by-picture

### Background Images
- **Background Images**
  - Multiple default and user-uploaded images are supported

### Subtitle
Text can be added manually via the built-in web interface

### Custom Themes
- **Custom Themes**
  - Multiple themes can be created via the built-in web interface

### Post Video Info Editing
Yes, through Video Manager web page

### Video Information Editing
Video information can be added automatically before the video is recorded. Manual input is available before and after the recording finishes

### Touch Interface
- **Touch Interface**
  - Touch control is supported via USB connection

### Mouse Device and Numeric Keypad
- **Mouse Device and Numeric Keypad**
  - Through USB interface connection

### Video Switcher
- **Video Switcher**
  - Yes, through AREC Online Director (web-based or SW-based applications) or on-screen GUI for manual controls

### Mini Controller
- **Mini Controller**
  - Through mobile web browser and wireless connection for manual controls

### External Control
- **External Control**
  - Yes, supports TCP protocol

### Interactive Whiteboard Control
- **Interactive Whiteboard Control**
  - Yes, through AREC Recording APK for Android systems

### Headphone Output

### Video Manager Platform
- **Video Manager Platform**
  - Built-in web interface called Video Manager

### Group Management
- **Group Management**
  - Available via ARECloud

### Camera Control
- **Camera Control**
  - VISCA over IP / ONVIF profile S/NDI®

### Operation System
- **Operation System**
  - Embedded Linux system

### Power Supply
- **Power Supply**
  - 5V

### Temperature / Humidity
- **Temperature / Humidity**
  - 0~40°C / 90%

### Dimensions
- **Dimensions**
  - 98mm(L) x 95mm(W) x 55mm(H)

### Weight
- **Weight**
  - 480g

### Language
- **Language**
  - SC / TC / English / Russian / Spanish / Czech / Korean / Latvian / German / Estonian

### Accessories
- **Accessories**
  - Power adapter / quick guide / HDMI-to-USB dongle

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**Live Streaming**

**Recording Modes**
- Mixed mode, 1 Mixed + 2 individual original sources

**Scheduled Recording**
- Yes, supports iCalendar format (.ics file) for automatic recording/streaming, such as Google Calendar

**Recording Layouts**
- Multiple default and user-defined layouts are available, including full screen/picture-in-picture/picture-by-picture

**Background Images**
- Multiple default and user-uploaded images are supported

**Subtitle**
- Text can be added manually via the built-in web interface

**Custom Themes**
- Multiple themes can be created via the built-in web interface

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**Storage, Backup, and Compatibility**

**External Storage**
- Supports USB drive recording through the front port. NAS storage is also supported

**Locally Stored File Format**
- MP4

**Backup**
- FTP / SFTP

**Third-Party Video Management System**
- Integrated with OpenCast, Panopto and Kaltura

**Live Broadcasting**
- Yes, supports RTMP (RTMPS) protocol. Stream up to 2 platforms simultaneously

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**General Information**

**Operation System**
- Embedded Linux system

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- 5V

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**AREC reserves the right to modify product specifications without prior notice.**