

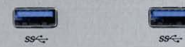
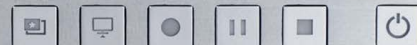
Arec

LS-310 Media Station

Capture • Mix • Switch • Record • Stream • Backup



Arec

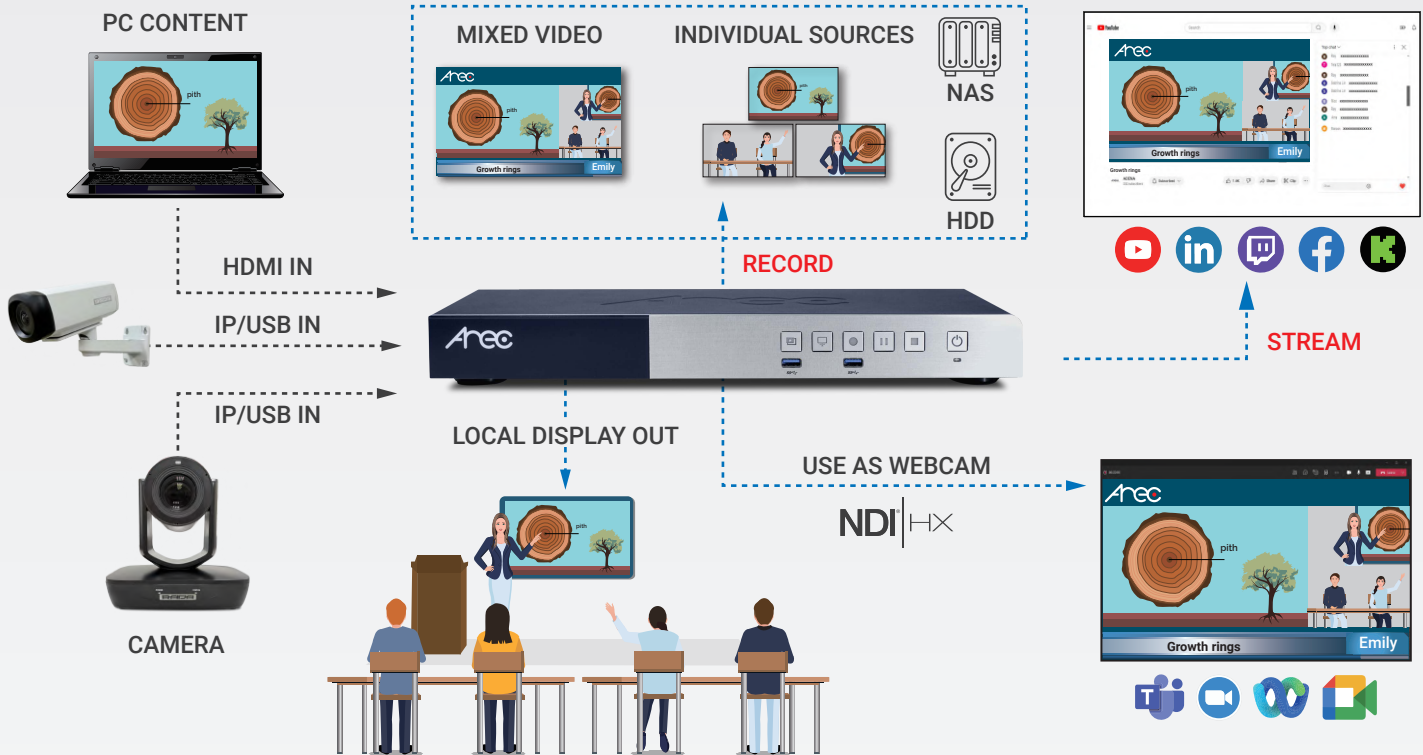


4K Dante® NDI|HX SRT
READY

Designed for
Education, Business, Government,
Healthcare, Worship, Events, and many more uses

AREC LS-310 Media Station

AREC LS-310 Media Station is a lecture capture device that is made to capture, mix, switch, record, stream, and backup audio and video sources easily and efficiently. It is a 3-channel model, meaning that it can simultaneously work with 3 video sources, which can be connected via HDMI, USB, or Network.



Integrated with



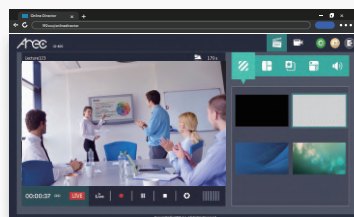
Intuitive and Versatile Control Options

AREC LS-310 supports a wide range of control options: web-based Online Director (Chrome, Edge), touch-friendly Graphical User Interface (GUI), Mini Controller for mobile devices, physical control buttons, and RS-232/TCP commands among others.

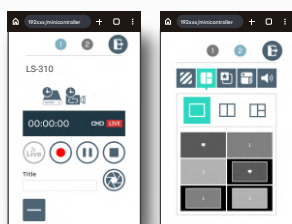
- On-screen GUI with mouse/ touch USB control



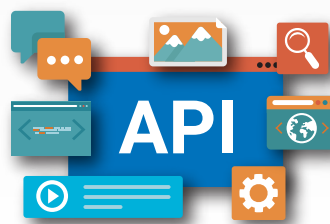
- Web-based Online Director



- Mini Controller for mobile devices

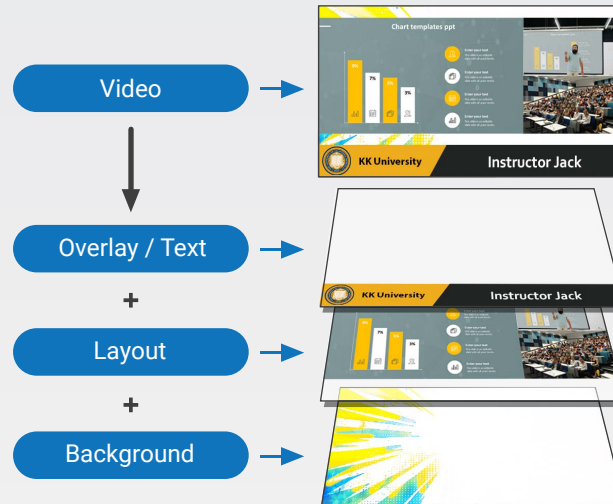


- API for RS-232/TCP/HTTP control



Professional Video Creation Made Simple

With the LS-310, any user can quickly and easily record and stream a video with custom backgrounds, overlays, and layouts. This mixed video can be streamed to up to 2 platforms simultaneously, such as YouTube, Facebook, and other live broadcasting websites. Additional built-in tools, such as smooth transitions and textual overlays, allow users to add a personal flair even without design skills.

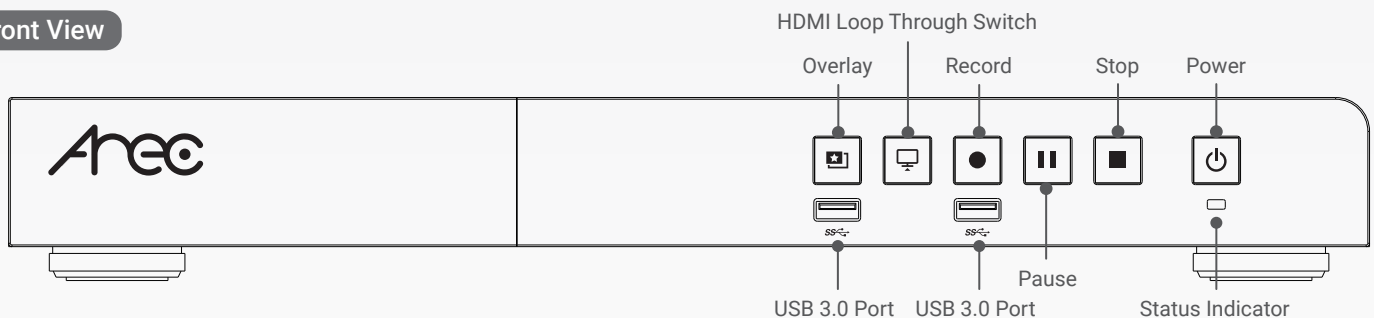


Main Features

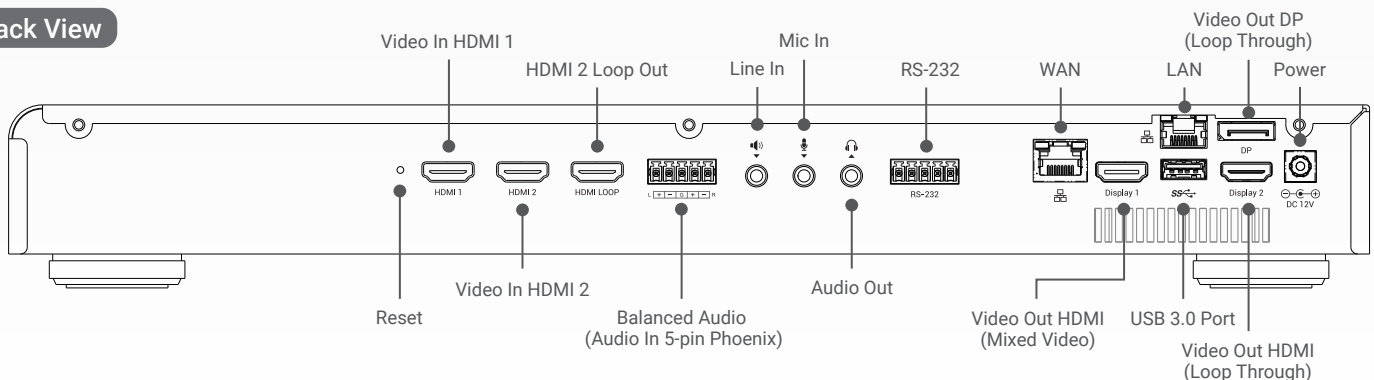
- Capture, mix, switch, record, stream, and backup all audio and video sources.
- Supports up to 3 Full HD or 2 4K UHD channels.
- Supports 4K UHD 30 FPS recording and streaming.
- Supports USB, HDMI, and Network audio and video inputs.
- Dante Audio and NDI|HX enabled.

Product Interface

Front View



Back View



Specifications

| | |
|--------------------------------|---|
| Model Name | AREC LS-310 Media Station |
| Audio and Video Inputs | |
| Maximum Video Input Channels | 3 channels |
| Video Inputs* | Supports up to 3 video inputs simultaneously: <ul style="list-style-type: none"> • HDMI: up to 2 inputs • USB: up to 3 inputs • Network (RTSP/RTMP/RTMPS/RTP/NDI HX/SRT): up to 3 inputs |
| Input Resolution | <ul style="list-style-type: none"> • HDMI: 480i~2160p60 • Network: up to 2160p30 • USB (UVC): up to 2160p30 |
| Audio Inputs | <ul style="list-style-type: none"> • 1 x 3.5mm Stereo Mic in • 1 x 3.5mm Stereo Line in • 2 x HDMI • 1 x Balanced audio in with a 5-pin Phoenix connector • 1 x USB (UAC) • 2 x RJ-45¹ (Supports digital audio inputs) <p>Note 1: Supported network protocols: 3 via RTSP/RTMP/RTMPS/RTP/NDI HX/SRT and 2 via Dante Audio</p> |
| Video Processing | |
| Compression | H.264 (AVC)/H.265 (HEVC) |
| Frame Rate | 4K UHD: Max. 30fps Full HD: Max. 60fps |
| Bit Rate | 300Kbps~32Mbps |
| Resolution | Max. 4K UHD (640x360 ~ 3840x2160) |
| Audio Processing | |
| Compression | AAC-LC |
| Bit Rate | 80Kbps~320Kbps |
| Audio and Video Outputs | |
| Video Outputs* | <ul style="list-style-type: none"> • 1 x HDMI 2 loop through port (up to 2160p60, shows HDMI 2 input) • 1 x HDMI Display 1 port (up to 2160p30, shows mixed video + GUI output) • 1 x HDMI Display 2 port (up to 2160p30, shows mixed video, single source or multisource monitoring) • 1 x DP port (up to 2160p30, shows mixed video, single source or multisource monitoring) • 2 x RJ-45 port (streaming RTSP/RTMP/RTMPS/RTP/NDI HX/SRT, up to 2160p30. Maximum 2 RTMP/RTMPS/RTP/SRT streams) |
| Audio Outputs | <ul style="list-style-type: none"> • 1 x 3.5mm Stereo Line out • 3 x HDMI • 1 x DP • 2 x RJ-45² (digital video over Ethernet) <p>Note 2: Supported network protocols: RTSP/RTMP/RTMPS/RTP/NDI HX/SRT/Dante Audio 2x2</p> |
| Streaming | |
| Streaming Delay | 1 sec. |
| Supported Streaming Protocols | RTSP/RTMP/RTMPS/RTP/NDI HX/SRT/Dante Audio |
| Streaming Specifics | <ol style="list-style-type: none"> 1. Users can configure 2 streaming outputs via RTMP (RTMPS), RTP³, or SRT. These streams can be done simultaneously 2. The device can output RTSP⁴ and NDI HX streams locally <p>Note 3: RTP: MPEG2-TS over RTP unicast; MPEG2-TS over RTP multicast</p> <p>Note 4: RTSP (TCP/UDP): Max. 6 clients (RTSP stream can only be pulled from the device's URL)</p> |
| Storage and Backup | |
| Built-in Local Storage | 2TB 2.5" SATAIII Hard Drive |
| External Storage | USB drives, NAS (NFS/CIFS) |
| Video recording file format | MP4 |
| Backup | FTP/SFTP/Google Drive Integrated Video Content Management Systems (VCMS): Kaltura/Opencast/Panopto |

| | |
|---|---|
| Recording | |
| Recording Modes* | Mixed video only/mixed video + individual sources recording |
| Scheduled Recording | Supports manual and automatic scheduling using iCalendar format (.ics) calendars, such as Google Calendar Supports scheduling via integrated Video Content Management Systems (VCMS): Kaltura/Opencast/Panopto |
| Recording and Streaming Layouts | Features 28 layouts by default. These layouts can be customised using the device's web-based Online Director interface or AREC Layout Editor software |
| Bookmark | Automatic and manual bookmark insertion |
| Background Images | Supports up to 10 default and user-uploaded images |
| Overlay Images | Supports up to 20 default and user-uploaded images |
| Textual Overlays | Text can be added manually via the built-in web interface |
| Custom Themes | Supports creation of up to 50 themes. Themes allow switching between combinations of layouts, overlays, and backgrounds |
| Controls of LS-310 and Network Cameras | |
| Touch Control | Graphical user interface (GUI) via USB |
| Standard USB Mice and Numeric Keypads | Supported |
| Front Panel Physical Buttons | Start/stop/pause recording, change overlays, loop through outputs, power on/off |
| External Control | RS-232/TCP-IP/HTTP API support |
| Web-Based Control | Built-in AREC Administrator and AREC Online Director web interfaces for setup and control |
| Mobile Device Control | Supports adapted web-based interface AREC Mini Controller, accessible via standard browsers on mobile devices |
| Group Control | Supports AREC Station Manager, an application for controlling groups of Media Stations |
| Pedal Control | Supports RADA Clutch USB control pedals |
| Tally Light Control | Supports AREC UB-01 and UB-01M Recording Light for starting and stopping recording and monitoring recording status |
| Integrations | Supports AREC DS-4CU and DS-9CU Speaker Tracking Stations for automatic theme switching Supports integrated VCMS platforms for recording and streaming processes control |
| Calendar Automation | Supports iCalendar (.ics) files, calendars, and integrated VCMS platforms (Kaltura, Opencast, Panopto) for automatic starting and stopping of recording and streaming |
| Camera Control | PELCO-D/PELCO-P/VISCA/VISCA-over-IP/ONVIF Profile S/NDI |
| Power Management | Automatic power on and power off schedules |
| General Information | |
| Operation System | Embedded Linux system |
| Power Supply | 12V/3.34A/40W |
| Temperature / Humidity | 0~40°C / 90% |
| Dimensions | 401.4 mm(L) x 167.4mm(W) x 54mm(H) |
| Weight | 2.25kg (5 lbs) |
| Languages | SC/TC/English/Russian/Spanish/Czech/Korean/Latvian/German/Estonian/French |
| Accessories | Power adapter/quick guide/ear mounts/ USB numeric keypad/2 terminal blocks |

* When switching to 1080p50/60, 2160p30, and HEVC modes, restrictions apply. Refer to the user manual for more details.



AREC Inc. | www.arec.com | sales@arec.com
 Address: 2F, No. 367, Sec. 2, Wenhua Rd., Banqiao Dist., New Taipei City, 220026, Taiwan (R.O.C)
 TEL: +886-2-8259-5060

ADENA Limited | www.a-dena.com | info@a-dena.com
 Address: 7F, No. 154, Sec. 5, Nanjing E. Rd., Songshan Dist., Taipei, 105053, Taiwan (R.O.C)
 TEL: +886-2-8712-1882

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 Please contact your sales representative for further confirmation.