

Arec

# LS-210 Media Station

Capture • Mix • Switch • Record • Stream • Backup

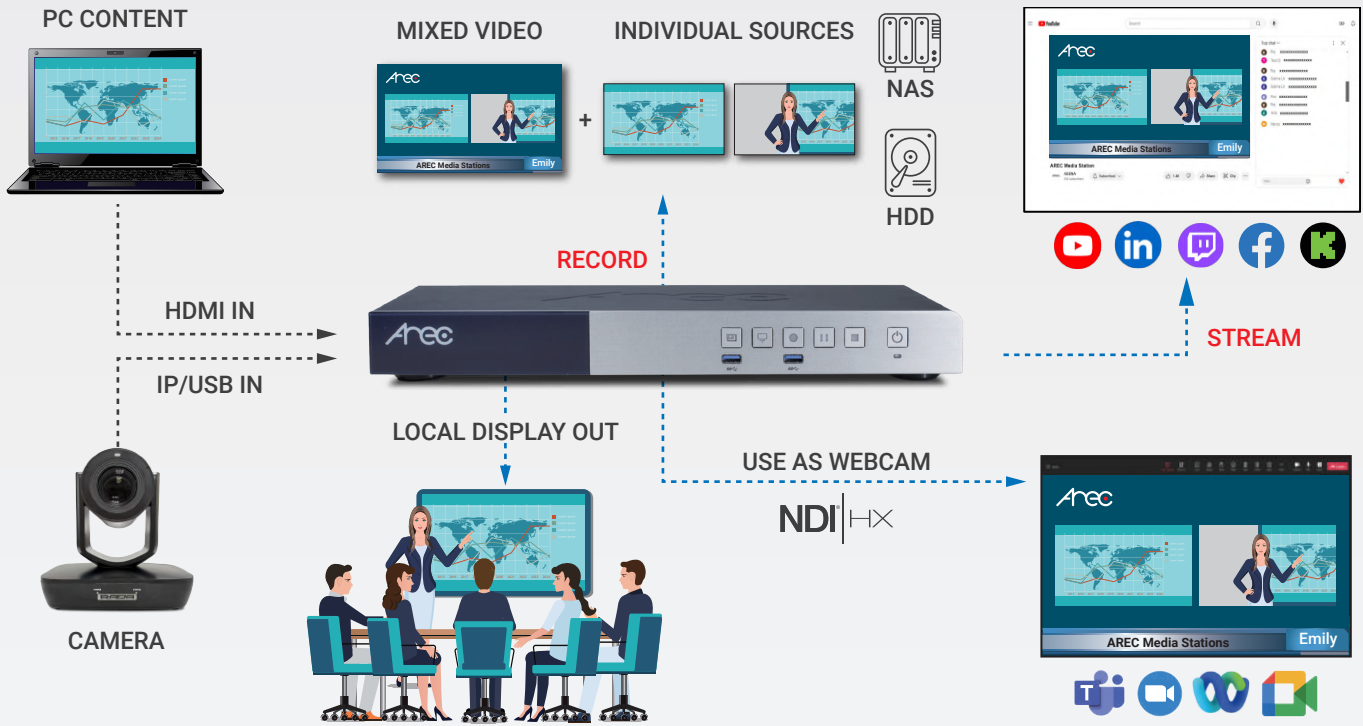


**4K** | Dante® | NDI | HX | SRT  
READY

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

## AREC LS-210 Media Station

AREC LS-210 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 2-channel model, meaning that it can simultaneously work with 2 video sources, which can be connected via HDMI, USB, or Network.



Integrated with



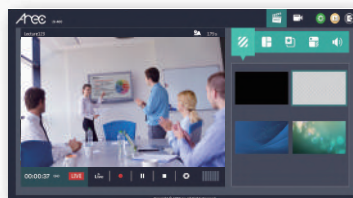
### Intuitive and Versatile Control Options

AREC LS-210 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.

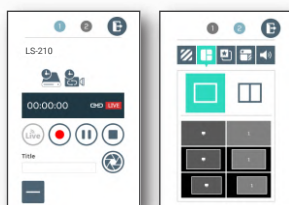
- On-screen GUI with mouse/ touch USB control



- Web-based Online Director



- Mini Controller for mobile devices

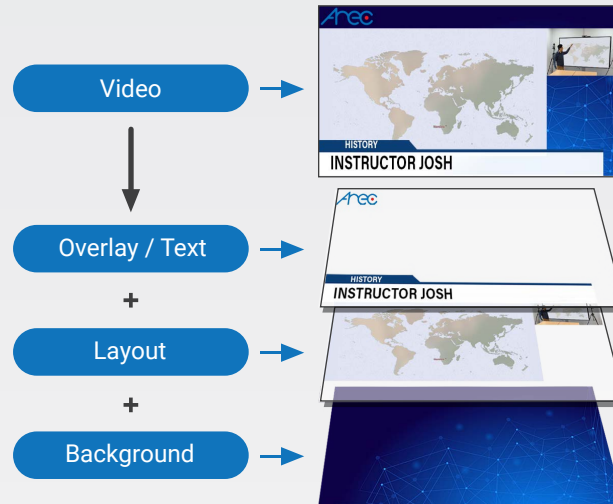


- API for RS-232/TCP/HTTP control



## Professional Video Creation Made Simple

With the LS-210, 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.

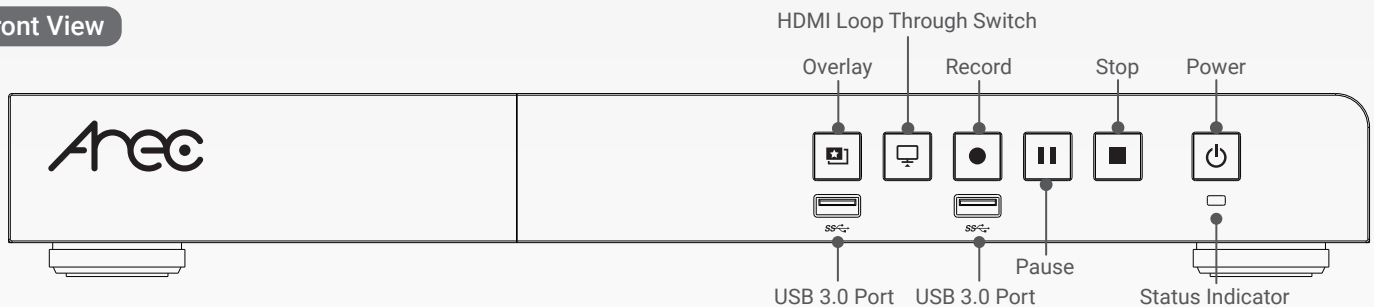


## Main Features

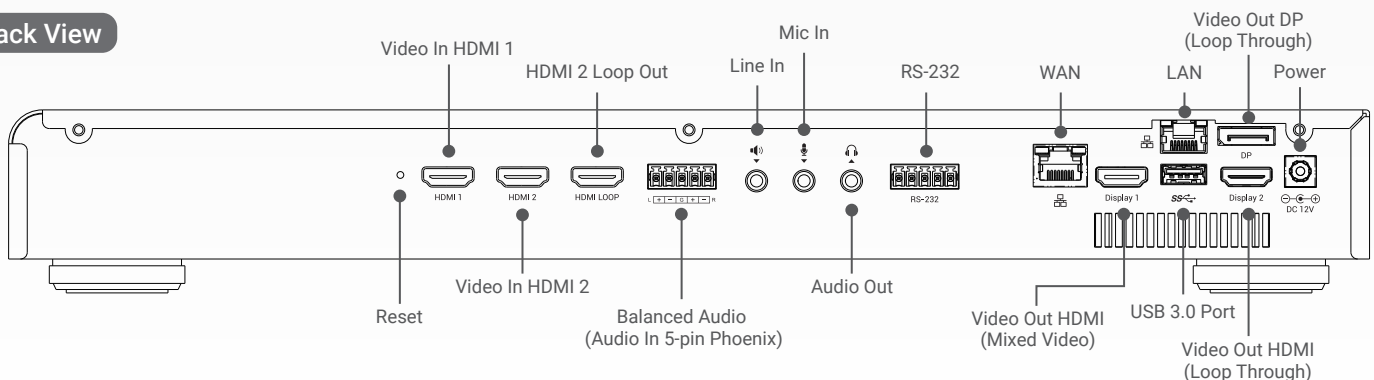
- Capture, mix, switch, record, stream, and backup all audio and video sources.
- Supports up to 2 Full HD or 2 4K UHD channels.
- Supports 4K UHD 30 FPS recording and streaming.
- Supports USB, HDMI, and Network audio and video inputs.
- Dante Audio and NDI|HX enabled.

## Product Interface

### Front View



### Back View



# Specifications

|                                |   |
|--------------------------------|---|
| Model Name                     | AREC LS-210 Media Station   |
| <b>Audio and Video Inputs</b>  |   |
| Video Inputs*                  | Supports up to 2 video inputs simultaneously:<br><ul style="list-style-type: none"> <li>HDMI: up to 2 inputs</li> <li>USB: up to 2 inputs</li> <li>Network (RTSP/RTMP/RTMPS/RTP/NDI HX/SRT): up to 2 inputs</li> </ul>  |
| Maximum Video Input Channels   | 2 channels  |
| Input Resolution               | <ul style="list-style-type: none"> <li>HDMI: 480i~2160p60</li> <li>Network: up to 2160p30</li> <li>USB (UVC): up to 2160p30</li> </ul>  |
| Audio Inputs                   | <ul style="list-style-type: none"> <li>1 x 3.5mm Stereo Mic in</li> <li>1 x 3.5mm Stereo Line in</li> <li>2 x HDMI</li> <li>1 x Balanced audio in with a 5-pin Phoenix connector</li> <li>1 x USB (UAC)</li> <li>2 x RJ-45<sup>1</sup> (Supports digital audio inputs)</li> </ul> <p>Note 1:<br/>Supported network protocols: 2 via RTSP/RTMP/RTMPS/RTP/NDI HX/SRT and 2 via Dante Audio</p>  |
| <b>Video Processing</b>        |   |
| Compression                    | H.264 (AVC)/H.265 (HEVC)  |
| Frame Rate                     | 4K UHD: Max. 30fps<br>Full HD: Max. 60fps   |
| Bit Rate                       | 300Kbps~32Mbps  |
| Resolution                     | Max. 4K UHD (640x360 ~ 3840x2160)   |
| <b>Audio Processing</b>        |   |
| Compression                    | AAC-LC  |
| Bit Rate                       | 80Kbps~320Kbps  |
| <b>Audio and Video Outputs</b> |   |
| Video Outputs*                 | <ul style="list-style-type: none"> <li>1 x HDMI 2 loop through port (up to 2160p60, shows HDMI 2 input)</li> <li>1 x HDMI Display 1 port (up to 2160p30, mixed video + GUI output)</li> <li>1 x HDMI Display 2 port (up to 2160p30, mixed video, single source or multisource monitoring)</li> <li>1 x DP port (up to 2160p30, shows mixed video, single source or multisource monitoring)</li> <li>2 x RJ-45 port (streaming RTSP/RTMP/RTMPS/RTP/NDI HX/SRT, up to 2160p30. Maximum 2 RTMP/RTMPS/RTP/SRT streams)</li> </ul> |
| Audio Outputs                  | <ul style="list-style-type: none"> <li>1 x 3.5mm Stereo Line out</li> <li>3 x HDMI</li> <li>1 x DP</li> <li>2 x RJ-45<sup>1</sup> (digital video over Ethernet)</li> </ul> <p>Note 1:<br/>Supported network protocols: RTSP/RTMP/RTMPS/RTP/NDI HX/SRT/Dante Audio 2x2</p>   |
| <b>Streaming</b>               |   |
| Streaming Delay                | 1 sec.  |
| Supported Streaming Protocols  | RTSP/RTMP/RTMPS/RTP/NDI HX/SRT/Dante Audio  |
| Streaming Specifics            | <ol style="list-style-type: none"> <li>Users can configure 2 streaming outputs via RTMP (RTMPS), RTP<sup>1</sup>, or SRT. These streams can be done simultaneously</li> <li>The device can output RTSP<sup>2</sup> and NDI HX streams locally</li> </ol> <p>Note 1:<br/>RTP: MPEG2-TS over RTP unicast; MPEG2-TS over RTP multicast</p> <p>Note 2:<br/>RTSP (TCP/UDP): Max. 6 clients (RTSP stream can only be pulled from the device's URL)</p>  |
| <b>Storage and Backup</b>      |   |
| 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<br>Integrated Video Content Management Systems (VCMS):<br>Kaltura/Opencast/Panopto  |

|   |   |
|---|---|
| <b>Recording</b>                              |   |
| 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<br>Supports scheduling via integrated Video Content Management Systems (VCMS): Kaltura/Opencast/Panopto |
| Recording and Streaming Layouts               | Features 15 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   |
| <b>Controls of LS-210 and Network Cameras</b> |   |
| 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<br>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   |
| <b>General Information</b>                    |   |
| 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/Japanese   |
| Accessories                                   | Power adapter/quick guide/ear mounts/<br>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.



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 Please contact your sales representative for further confirmation.