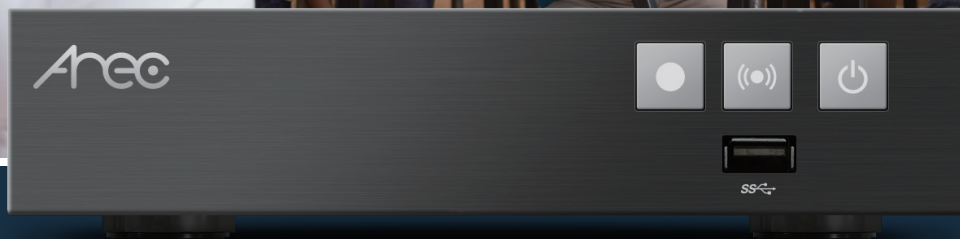


Arec

LS-110

Media Station

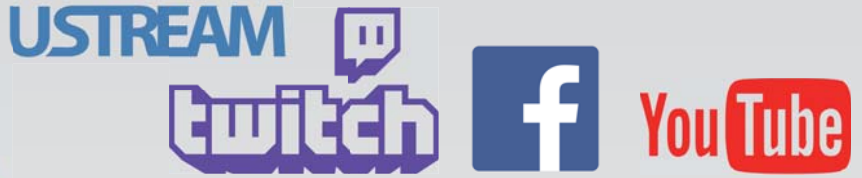


- 2 Video Sources Mixing, Switching, Recording and Live Streaming
- Easy to Create a Professional Video
- Fully Integrated with Kaltura, Panopto and Opencast Video Management Systems

Main Features

Easy to Create a Professional Video

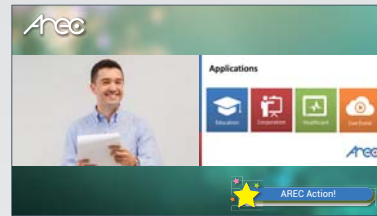
AREC LS-110, a lightweight and all-in-one Media Station, supports 2 Full HD video sources capturing, switching, mixing, recording and live streaming simultaneously for non-technical users to produce a creative video easily and efficiently. With LS-110, it's easy to stream mixed video to up to 2 platforms at the same time, such as YouTube, Facebook, Twitch and other live broadcasting websites, allowing any participant to attend at any location in the world.



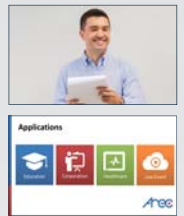
Capture Up to 2 Video Sources at the Same Time

Via HDMI, RJ-45 interfaces and streaming inputs, AREC LS-110 supports up to 2 Full HD 1080p video inputs. Users can choose 1 mixed video plus 2 individual videos recording for flexible use. LS-110 can mix audio via HDMI and 3.5mm stereo audio jack.

Mixed Recording

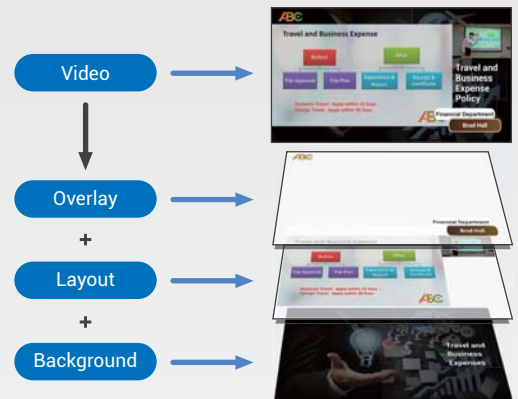


Original Sources



Adding Titles & Graphics to Your Video

With LS-110, users can easily switch and mix between sources, add or remove logos, backgrounds and overlay graphics (titles) to create your live video like a pro.



Intuitive and Versatile Control Options

AREC Online Director supports a wide range of control options, including Web Browser (IE, Firefox), Software Application (Windows, Mac OS), Touch-Friendly Graphical User Interface, and Mini Controller from Mobile Device. Control buttons on the front of LS-110 are also provided for easy operation.



On-screen GUI & USB Interface*



Web/ SW-based Online Director

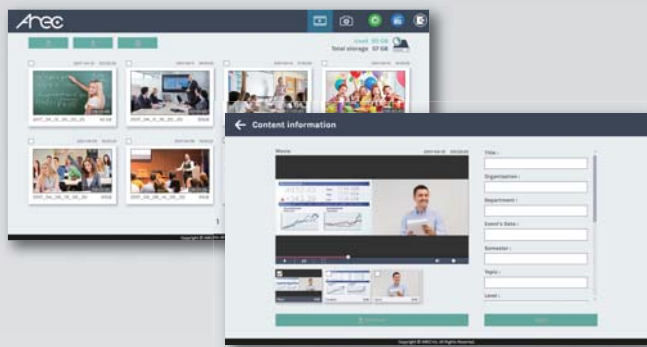


Mini Controller from Mobile Device

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

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-110 Media Station remotely. They can download, upload or delete a video file, and edit video information. With available APIs, all of the video content, metadata, and thumbnail can be delivered seamlessly for third party integration.



Recording and Backup

LS-110 can record and save video on the external USB storage through back port. After recording is done, LS-110 also supports automatic backup or upload recordings to AREC MediaCenter, FTP, SFTP, Opencast, Kaltura, Panopto and so on.



External Storage

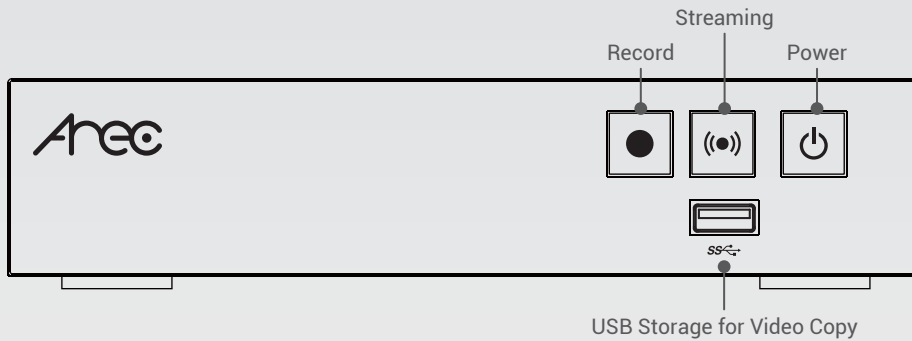


OPENCAST Panopto KALTURA
FTP Backup

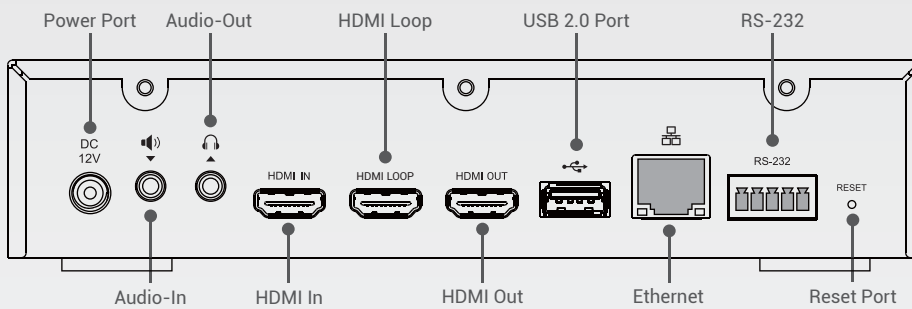


Product Interface

Front View



Back View



On-Screen Graphical User Interface



- 1 Overlay Images
- 2 Recording Layouts
- 3 Background
- 4 Custom Theme
- 5 Timer
- 6 Start / Stop Streaming
- 7 Start / Stop Recording
- 8 Snapshot
- 9 Playback Video
- 10 Setting
- 11 LS-110 IP Address
- 12 Audio Volumn Bar
- 13 Display Switch

Specifications

| | |
|---|---|
| Model Name | AREC LS-110 Media Station |
| Video Inputs | |
| Video-in Interface | HDMI: 1 channel RJ-45: supports IP Streaming up to 2 channels |
| Max. Video-In channels | Maximum 2 channel synchronized recording HDMI: 1 channel Network camera: up to 2 channels |
| Resolution Range | HDMI: 480i~4Kp60 RTP/ RTMP/ RTSP, Max.: 1080p |
| Audio-in Channels | 3.5mm Stereo Line in: 1 channel HDMI: 1 channel UAC (USB audio class)x1 RJ-45 (supports IP streaming: up to 2 channels) |
| Audio Mixing | Mix multiple audio input sources into 1 |
| Video Processing | |
| Compression | H.264 / AVC |
| Frame Rate | Max. 30fps |
| Bit Rate | 300Kbps~8Mbps |
| Resolution | Max. 1080p (640x360 ~ 1920x1080) |
| Audio Processing | |
| Compression | AAC-LC |
| Bit Rate | 80Kbps~320Kbps |
| Video / Audio Outputs | |
| Video Outputs | 1x HDMI display ports (loop) 1x HDMI display ports (PGM with on-screen GUI) 2x H.264/AVC digital video over Ethernet |
| Audio Outputs | 1x 3.5mm Stereo Line out 1x HDMI/1x HDMI Loop |
| Output Resolution | HDMI Loop:Max.4K HDMI:Max.1080p60 |
| Streaming | |
| Streaming Delay | 1 sec. |
| Compatible Streaming Input Protocols | RTSP, RTP, RTMP |
| Streaming Output Protocols | RTP, RTMP (RTMPS), RTSP Note: 1. users can choose 1 output option from RTP or RTMP only 2. RTP: MPEG2-TS over RTP unicast; MPEG2-TS over RTP multicast 3. RTSP (TCP/ UDP): Max 6 clients RTSP streams available via public URL (example: pulled streams) |
| Storage, Backup, and Compatibility | |
| External Storage | USB back port: supports 1 mixed and up to 2 individual original sources recording USB front port: supports 1 mixed recording/ 1 mixed and up to 2 individual video files backup |
| Locally Stored File Format | MP4 |
| FTP Backup | Automatic backup to an FTP or SFTP server after recording is done |
| Third-Party Video Management System | Compatible with Opencast, Panopto and Kaltura |

| | |
|--|--|
| Recording | |
| Recording Modes | Mixed mode, 1 Mixed + 2 individual original sources |
| Recording Layouts | Multiple layouts for user-defined, including full screen/ picture-in-picture/ picture-by-picture |
| Scheduled Recording | Supports iCalendar(.ics) format, such as Google Calendar |
| Bookmark | Automatic and manual bookmark insertion |
| Background Images | Multiple for user-defined |
| Overlay Images | Multiple for user-defined |
| Custom Themes | Multiple for user-defined, setting from web-based back stage |
| Live Broadcasting | |
| Live Broadcast to CDN or Stream Server | Yes, support RTMP (RTMPS) protocol. Stream up to 2 platforms simultaneously |
| Video Information Editing | |
| Post Video Info Editing | Yes, through Video Manager web page |
| Video Info Adding | Video info will be added on video file name automatically while file output or uploading |
| Controls of LS-110 and Network Camera | |
| Touch Interface | Through recommended touch screen, interactive projector or interactive module |
| Mouse Device and Numeric Keypad | Through USB interface connection |
| Mini Controller | Through mobile web browser and wireless connection for manual controls |
| External Control | Yes, supports RS-232 interface port |
| Control Buttons | Yes, recording/ streaming/ power |
| Video Manager Platform | Built-in Video Manager: through web-based control interface |
| Camera Control | VISCA / PELCO-D / PELCO-P / ONVIF profile S |
| General Information | |
| Operation System | Embedded Linux system |
| Power Supply | 12V / 2A |
| Temperature / Humidity | 0~40°C / 90% |
| Dimension | 200mm(L) x 178mm(W) x 43mm(H) |
| Weight | 1.37kg |
| Language | SC / TC / English/ Russian/ Spanish/ Czech/ Korean/ Latvian/ Estonian/ German |
| Accessories | Power adapter / quick guide |

Recommended AREC Products



AREC Auto-Tracking System



AREC Network Cameras



AREC Wireless Microphone



AREC Wireless Audio Receiver



AREC Inc. | www.arec.com | sales@arec.com

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