

Arec

LS-860 Media Station



- Versatile Inputs: HDMI*4, Line in*4, and IP Streaming Channels*4.
- Supports Overlay PNG Images with Transparent, Opaque, and in Between
- All-in-One Device to Offer Up to 4 Full HD 1080p60 Video Sources Capturing, Mixing, Switching, Recording and Live Streaming
- Mobile Mini Controller and Touch-Friendly Graphical User Interface Makes Live Production Easier



USB Numeric Keypad

Main Features

Capture Up to 4 Video Sources at Once with Versatile Inputs

Via HDMI*4 and IP streaming inputs, AREC LS-860 All-in-One Media Station supports up to 4 Full HD 1080p60 video sources capturing, mixing, switching, recording and live streaming. Users can choose 1 mixed video plus 4 individual videos recording for flexible use. LS-860 can mix audio via HDMI and line-in audio inputs.



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(GUI)*, and Mini Controller from Mobile Device. With Mini Controller, AREC LS-860 can be accessed via browsers on Android or iOS phones and tablets – no particular apps required. Control buttons on the front of LS-860 are also provided.

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



On-screen GUI & USB Interface*



Web/ SW-based Online Director



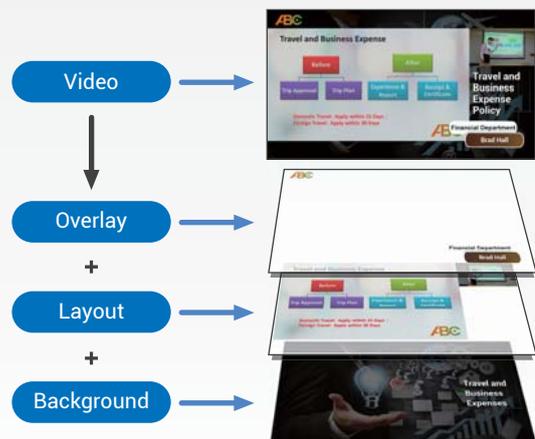
Mini Controller from Mobile Device

Broadcast Your Mixed Video

LS-860 can stream mixed video to up to 2 platforms simultaneously, such as YouTube, Facebook, Twitch and other live broadcasting websites.

Real-Time Assistant in Video Making

With AREC Online Director, LS-860 allows users to be in control of their video recording/streaming in real-time. It makes users easily switch and mix between sources, add or remove logos, backgrounds and overlay graphics (titles) for live production. LS-860 supports overlay PNG images with transparent, opaque, and in between.



AREC Video Manager : Videos with Just One Click

With the built-in video management platform, administrators or teachers can manage videos stored in the local 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 accessed seamlessly for third party integration.



Backup & Upload Your Recordings

With internal 1TB hard drive, LS-860 can save hundreds of hours recording videos. To increase security, LS-860 can automatically backup or upload recordings to AREC Media-Center, FTP, SFTP, Opencast, Kaltura, Panopto and so on.



SATA 1TB HDD

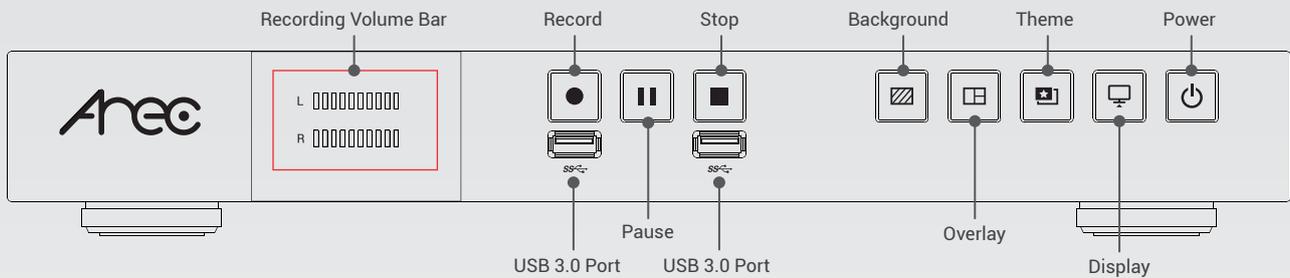


OPENCAST Panopto KALTURA
FTP Backup

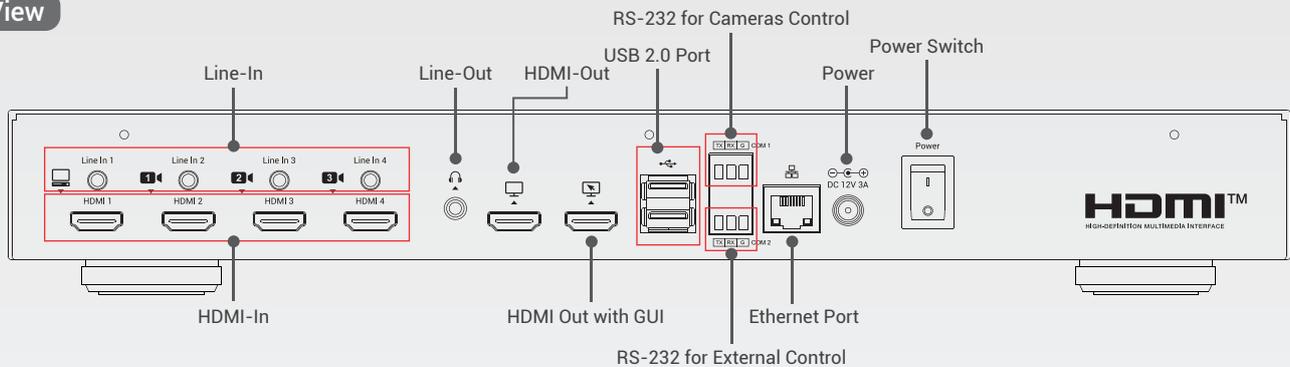


Product Interface

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-860 IP Address
- 12 Audio Volumn Bar
- 13 Display Switch

Specifications

Model Name	AREC LS-860
Input Connection	
Video Input Interfaces	HDMI*4 RJ-45*1 (supports IP streaming: up to 4 channels)
	Note: Supports AREC network cameras, compatible 3rd party network cameras, H.264 encoders and streaming sources via IP streaming
Max. Video-In channels	Maximum 4 channel synchronized recording
Resolution	Max. 1080p60
Audio-in Channels	3.5mm Stereo*4 HDMI*4
Max. Audio-In Channels	Maximum 4 channels, selectable between HDMI, Line-in and Mic-in
Video Processing	
Compression	H.264 / AVC
Frame Rate	Max. 60fps
Bit Rate	300Kbps~16Mbps
Resolution	Max. 1080p (640x360 ~ 1920x1080)
Audio Processing	
Compression	AAC-LC
Bit Rate	80Kbps~320Kbps
Video / Audio Outputs	
Video Outputs	1x HDMI preview port (preview recording with on-screen GUI) 1x HDMI display port (inputs display or multi-source monitoring) 6x H.264/AVC digital video over Ethernet
	Output Resolution
Audio Outputs	1x 3.5mm Stereo Line out 2x HDMI
Streaming	
Streaming Delay	1 sec.
Compatible Streaming Input Protocols	RTSP, RTP, RTMP
Streaming Output Protocols	RTP, RTMP (RTMPS), RTSP
	Note: 1. users can choose output options from RTP or RTMP(RTMPS) 2. RTP : MPEG2-TS over RTP unicast; MPEG2-TS over RTP multicast 3. RTSP (TCP/ UDP): Max 6 clients RTSP streaming can only pull from URL
Storage, Backup, and Compatibility	
Built-in Local Storage	1TB 2.5" SATA III Hard Drive
External Storage	Supports USB drive recording through the front port
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 + 4 individual original sources
Recording Layouts	34 layouts for user-defined, including full screen / picture-in-picture/ picture-by-picture/ multi-channel split screen
Bookmark	Automatic and manual bookmark insertion
Background Images	Multiple for user-defined
Overlay Images	Multiple for user-defined, support PNG format with transparent, opaque, and in between
Custom Themes	Multiple for user-defined, setting from web-based back stage
Live Broadcasting	
Live Broadcast to CDN or Stream Server	Mixed video: 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-860 and Camera	
Touch Interface	Through recommended touch screen and interactive projector
Mouse Device and Numeric Keypad	Through USB interface connection
Video Switcher	Yes, through AREC Online Director (web-based or desktop applications) or on-screen GUI for manual controls
Mini Controller	Through mobile web browser and wireless connection for manual controls
External Control	Yes, supports RS-232 interface port
Control Button	Yes, at the front of the media station
Video Manager Platform	Built-in video manager platform: 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 / 3A
Temperature / Humidity	0~40°C / 90%
Dimension	366mm(L) x 182mm(W) x 53mm(H)
Weight	2.125 kg (4.68 lbs)
Language	SC/ TC/ English/ Russian/ Spanish/ Czech/ Korean/ Latvian/ German
Accessories	Power adapter/ quick guide/ ear mounts/ USB Numeric Keypad
Recommended AREC Products	
AREC Auto-Tracking System	



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