Arec

LS-860
Media Station

- Versatile Inputs: HDMI*4, Line in*4, and IP Streaming Channels*4.
- Support SRT Streaming Protocol
- All-in-One Device to Offer Up to 4 Full HD 1080p60 Video Sources Capturing, Mixing, Switching, Recording and Live Streaming
- Touch-Friendly Graphical User Interface Makes Live Production Easier

USB Numeric Keypad

ARECast

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 1080p 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.

Mixed Mode

Original Sources Mode

Intuitive and Versatile Control Options

AREC Online Director supports a wide range of control options, including Web Browser (Chrome, Edge, IE), Software Application (Windows, Mac OS), Touch-Friendly Graphical User Interface, and Mini Controller from Mobile Device. All-new Mini Controller and Graphical User Interface design bring easier and faster control than ever. Control buttons on the front of LS-860 are also provided.
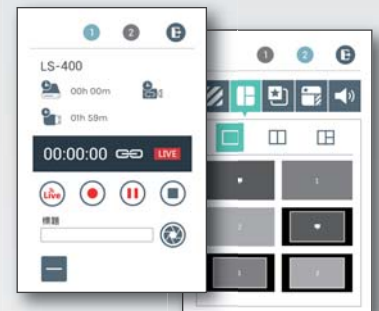
∗The on-screen GUI supports mouse device control through USB connection.

On-screen GUI & USB Interface∗

Web/ SW-based Online Director
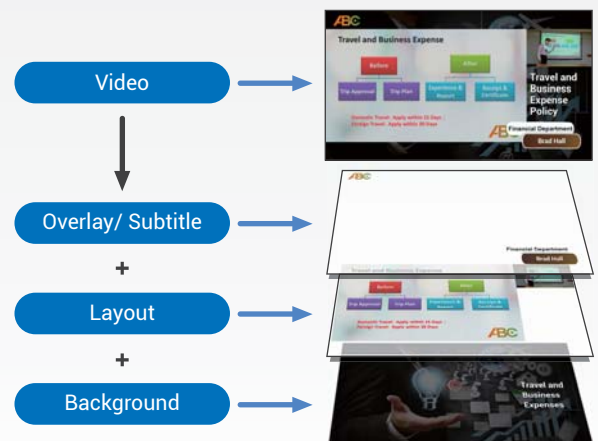
Mini Controller from Mobile Device

Broadcast Your Mixed Video

LS-860 can stream mixed video to up to 2 platforms simultaneously, such as YouTube, Facebook, and other live broadcasting websites.
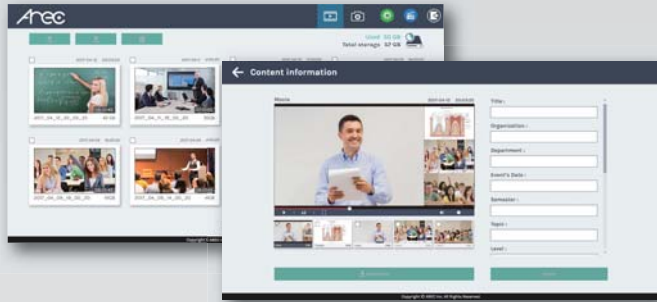
Real-Time Assistant in Video Making

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.

Video

Overlay/ Subtitle

+

Layout

+

Background

AREC Video Manager : Videos with Just One Click

With the built-in Video Manager, administrators or teachers can manage videos saved 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 delivered seamlessly for third party integration.

Backup & Upload Your Recordings

With internal 2TB 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, NAS, Opencast, Kaltura, Panopto and so on.
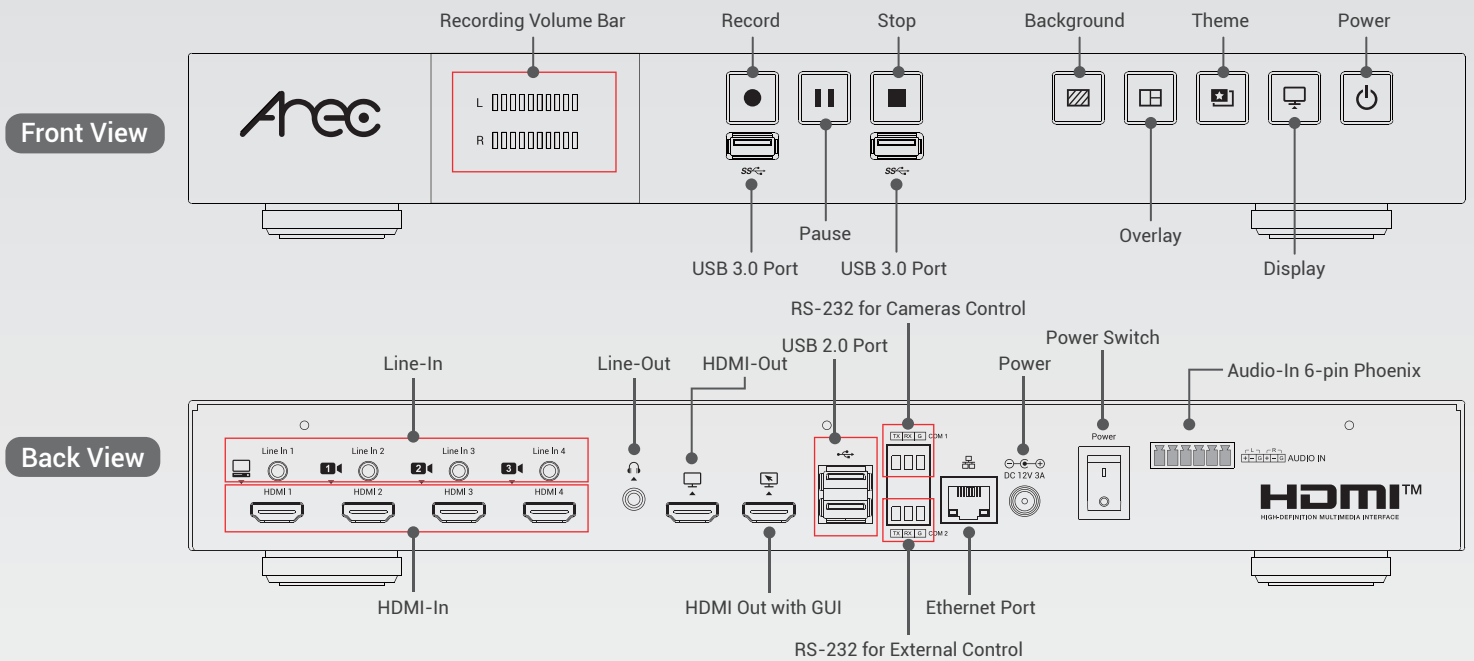
SATA 2TB HDD

FTP/ SFTP Backup

OPENCAST ● Panopto ❖ KALTURA

Product Interface

Front View

Recording Volume Bar · Record · Stop · Background · Theme · Power

L

R

Pause

USB 3.0 Port · USB 3.0 Port

Overlay

Display

Back View

RS-232 for Cameras Control

USB 2.0 Port

Power Switch

Line-In · Line-Out · HDMI-Out · Power · Audio-In 6-pin Phoenix

Line In 1 · Line In 2 · Line In 3 · Line In 4

HDMI 1 · HDMI 2 · HDMI 3 · HDMI 4

DC 12V 3A · Power

AUDIO IN

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

HDMI-In · HDMI Out with GUI · Ethernet Port

RS-232 for External Control

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. Camera Control
12. LS-860 IP Address
13. Audio Volumn Bar
14. Display Switch

LIVE 00:00:00

10.2.50.152

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

Specifications

Model Name	AREC LS-860

Input Connection

Video Input Interfaces	HDMI*4 RJ-45*1(supports IP streaming: up to 4 channels; wireless projection for 1 channel) Note: Supports AREC network cameras, compatible 3rd party network cameras, encoders, streaming sources via IP streaming and ARECast
Max. Video-In channels	Maximum 4 channel synchronized recording
Resolution	Max. 1080p60
Audio-in Channels	3.5mm Stereo*4; HDMI*4 Balanced audio-in with a 6-pin Phoenix connector RJ-45*1(supports IP streaming: up to 4 channels)
Audio Mixing	Mix up to 5 audio input sources into 1

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	1080p60
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, SRT 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	2TB 2.5" SATA III Hard Drive
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	Compatible with Opencast, Panopto and Kaltura

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

Recording

Recording Modes	Mixed mode, 1 mixed + 4 individual original sources
	Note: For individual source recording, the audio can be selected by mixed or individual original source
Scheduled Recording	Yes, supports iCalendar format (.ics file), such as google calendar
Recording Layouts	34 layouts for pre-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
On-Screen Overlay Images	Multiple for user-defined, support PNG format with transparent, opaque, and in between
Subtitle	Yes, through web-based Online Director to add 1 title
Custom Themes	Multiple for user-defined, setting from web-based back stage

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
Group Management	Yes, through ARECloud
Camera Control	VISCA / PELCO-D / PELCO-P / VISCA over IP/ ONVIF profile S

General Information

Operation System	Embedded Linux system
Power Supply	12V / 3.34A
Temperature / Humidity	0~40°C / 90%
Dimensions	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/ Estonian
Accessories	Power adapter/ quick guide/ ear mounts/ USB Numeric Keypad/ ARECast wireless projection button