

Arec

# LS-2

## Media Station



- 2 Video Sources Mixing, Switching, Recording and Live Streaming
- Standalone Design, Reliable and Easy-to-Use
- Makes Broadcasting Live Video with 2 Video Sources Easier Than Ever

# Main Features

## Simultaneous Live Streaming and Recording

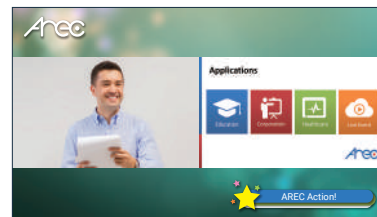
AREC LS-2, a lightweight and all-in-one Media Station, supports 2 Full HD video sources capturing, switching, mixing, recording and live streaming simultaneously. With LS-2, it's easy to stream mixed video to up to 2 platforms simultaneously, such as YouTube, Facebook, Twitch and other live broadcasting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



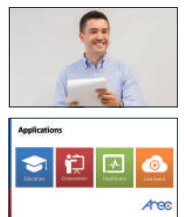
## Capture Up to 2 Video Sources at the Same Time

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

Mixed Recording

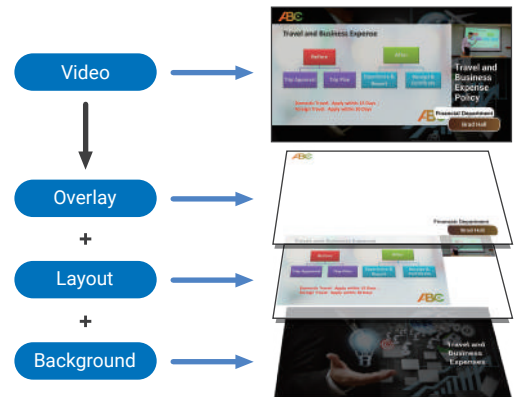


Original Sources



## Adding Titles & Graphics to Your Video

With LS-2, 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.

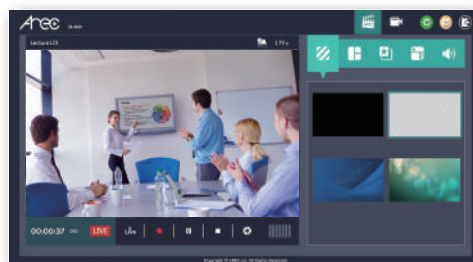


## Intuitive and Versatile Control Options

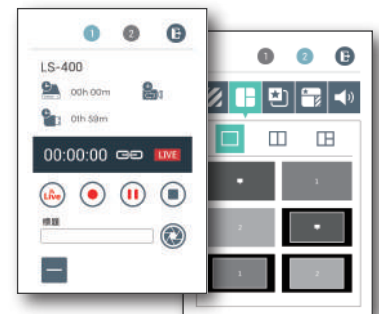
AREC Online Director supports a wide range of control options, including Web Browser (IE, Firefox), Software Application (Windows, Mac OS), Touch-Friendly Graphical User Interface(GUI)\*, and Mini Controller from Mobile Device. With Mini Controller, AREC LS-2 can be accessed via browsers on Android or iOS phones and tablets – no particular apps required. Control buttons on the front of LS-2 are also provided.



On-screen GUI & USB Interface\*



Web/ SW-based Online Director

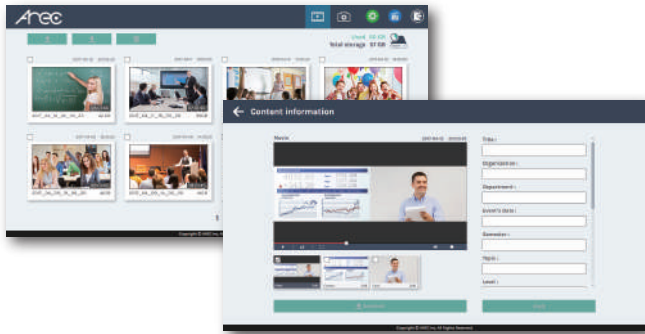


Mini Controller from Mobile Device

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

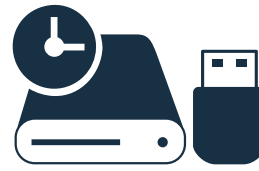
## AREC Video Manager : Videos with Just One Click

With the built-in Video Manager, administrators or teachers can manage videos stored in the local LS-2 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-2 can record and save video on the external USB storage through back port . It also supports automatic FTP and SFTP backup to keep the recording safe, after recording is done.



External Storage

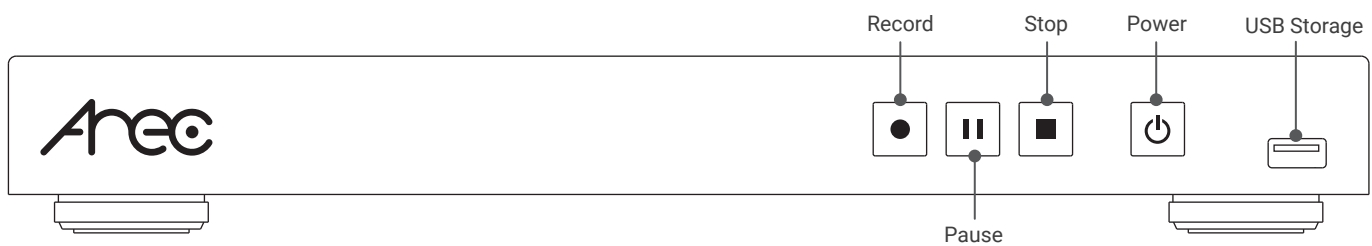


FTP Backup

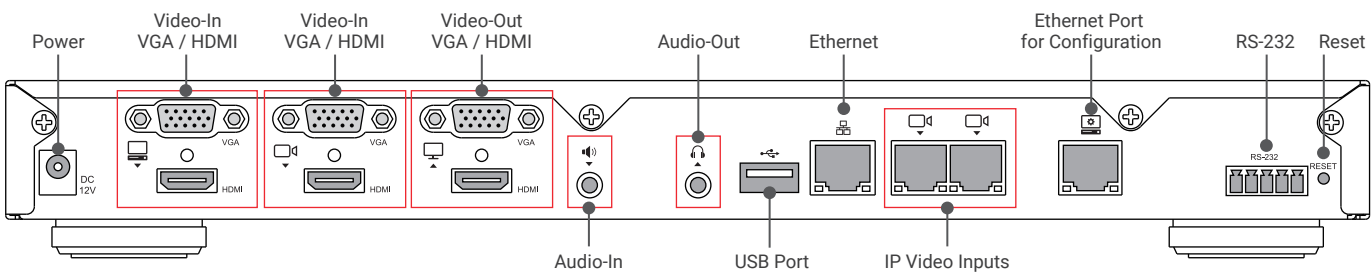


## Product Interface

### 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-2 IP Address
- 12 Audio Volumn Bar
- 13 Display Switch



# Specifications

Model Name	AREC LS-2 Media Station
<b>Video Inputs</b>	
Video-in Interface	HDMI: 2 channels / VGA: 2 channels / RJ-45: 2 channels (Supports AREC Full HD network camera) / IP Streaming: 2 channels  Note: Compatible with DVI and Component signals via using DVI to HDMI or Component to VGA adaptor cable
Max. Video-In channels	Maximum 2 channel synchronized recording HDMI / VGA: up to 2 channels Full HD network camera: up to 2 channels
Resolution Range	HDMI: 480i~1080p60 VGA: 480i~1080p60 RTP/ RTMP/ RTSP, Max.: 1080p30
Audio-in Channels	3.5mm Stereo Line in: 1 channel; HDMI: 2 channels
<b>Video Processing</b>	
Compression	H.264 / AVC
Frame Rate	Max. 30fps
Bit Rate	300Kbps~8Mbps
Resolution	Max. 1080p (640x360 ~ 1920x1080)
<b>Audio Processing</b>	
Compression	AAC-LC
Bit Rate	80Kbps~320Kbps
<b>Video / Audio Outputs</b>	
Video Outputs	1x HDMI display port 1x VGA display port (1 output option from loop-through, inputs monitoring and multi-source display) 2x H.264/AVC digital video over Ethernet  Note: on-screen GUI is selectable between HDMI and VGA display port
Audio Outputs	1x 3.5mm Stereo Line out 1x HDMI
Output Resolution	HDMI/ VGA: 1080p60
<b>Streaming</b>	
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)
<b>Storage, Backup, and Compatibility</b>	
Built-in Local Storage	64GB
External Storage	Supports USB drive recording through the back port
USB Drive Backup	Supports USB drive backup through the front port after recording is done
Locally Stored File Format	MP4
FTP Backup	Automatic backup to an FTP or SFTP server after recording is done

<b>Recording</b>	
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
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
<b>Live Broadcasting</b>	
Live Broadcast to CDN or Stream Server	Yes, support RTMP(RTMPS) protocol. Stream 1 platform
<b>Video Information Editing</b>	
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
<b>Controls of LS-2 and Network Camera</b>	
Touch Interface	Through recommended touch screen, interactive projector or interactive module
Mouse Device and Numeric Keypad	Through USB interface connection
Video Switcher	Yes, through AREC Online Director (SW-based application) 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: through web-based control interface
Camera Control	VISCA / PELCO-D / PELCO-P / ONVIF profile S
<b>General Information</b>	
Operation System	Embedded Linux system
Power Supply	12V / 2A
Temperature / Humidity	0~40°C / 90%
Dimension	354mm(L) x 185mm(W) x 46mm(H)
Weight	1.36kg (3 lbs)
Language	SC/ TC/ English/ Russian/ Spanish/ Czech/ Korean/ Latvian/ German
Accessories	Power adapter / quick guide
<b>Recommended AREC Products</b>	
AREC Auto-Tracking System AREC Network Camera CI Series	



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