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, enables live video streaming while simultaneously recording. With 2-channel mixed or feature, users can broadcast an on-going and vivid lecture/ event to a designated streaming server or live streaming website, such as Facebook, YouTube or Twitch.
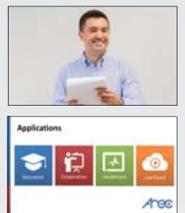

Capture Up to 2 Video Sources at the Same Time

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, before recording or streaming live video, users can choose a fixed layout, a pre-made background and an overlay graphic (title) to provide complete information on the video.

Overlay
+
Layout
+
Background
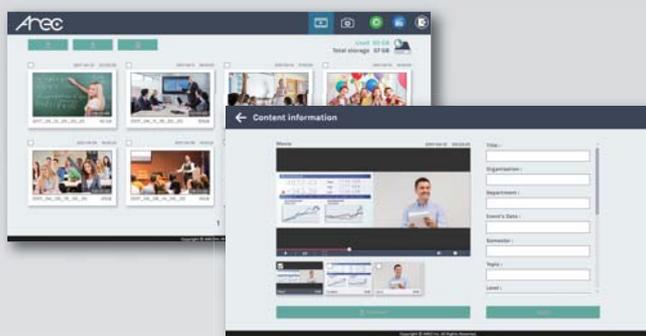
Touch-Friendly On-Screen Graphical User Interface

With a compatible interactive display and built-in a touch-friendly graphical user interface (GUI)*, LS-2 allows users to adjust the audio volume and select a fixed recording/streaming layout, background image and overlay graphic with easier control.

* 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 a Micro SD card up to 64 GB capacity. It also supports automatic FTP and SFTP backup to keep the recording safe, after recording is done.
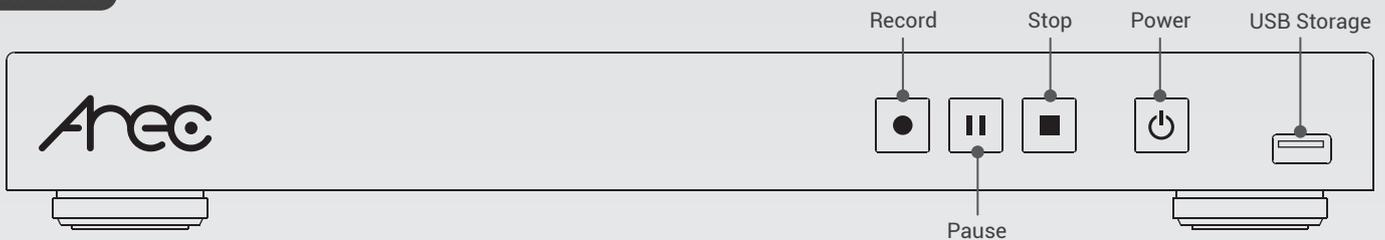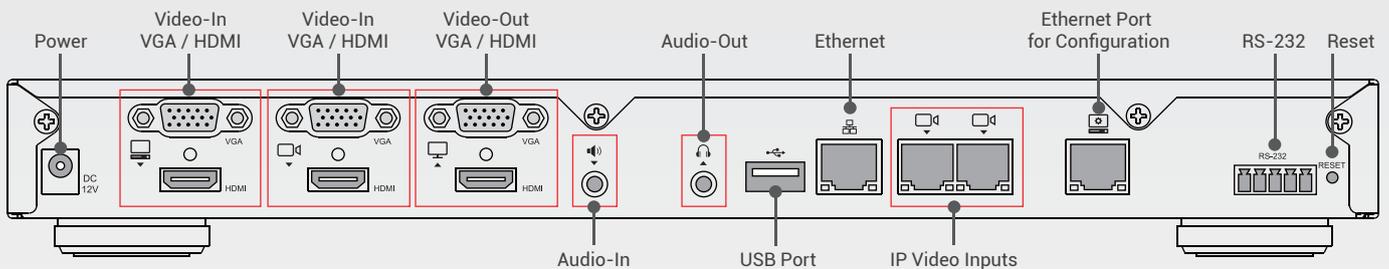
64GB SD Card

FTP Backup

Product Interface

Front View

| Record | Stop | Power | USB Storage |

Pause

Back View

| Power | Video-In VGA / HDMI | Video-In VGA / HDMI | Video-Out VGA / HDMI | Audio-Out | Ethernet | Ethernet Port for Configuration | RS-232 | Reset |

Audio-In   USB Port   IP Video Inputs

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

LIVE 00:00:00

100.200.000.168

*Before recording or streaming, a fixed layout, a pre-made backgrond, an overlay graphic or a custom theme can be selected from on-screen GUI.

Specifications

Model Name	AREC LS-2 Media Station

Video Inputs	
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 video: 480i~1080p60 VGA PC: 640 x 480~1920 x 1080
Audio-in Channels	3.5mm Stereo Line in: 1 channel; HDMI: 2 channels

Video Processing	
Compression	H.264 / AVC
Frame Rate	Max. 30fps
Bit Rate	300Kbps~4Mbps
Resolution	Max. 1080p (640x360 ~ 1920x1080)

Audio Processing	
Compression	AAC-LC
Bit Rate	80Kbps~320Kbps

Video / Audio Outputs	
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

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	
Built-in Local Storage	64GB SD Card
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

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
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 protocol. Stream 1 platform

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-2 and Network Camera	
Touch Interface	Through recommended touch screen, interactive projector or interactive module
Mouse Device	Through USB interface connection
Video Switcher	Yes, through AREC Online Director (SW-based application) or on-screen GUI 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 page
Camera Control	VISCA / PELCO-D / PELCO-P / ONVIF profiles

General Information	
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
Accessories	Power adapter / quick guide

Recommended AREC Products
AREC Auto-Tracking System AREC Network Camera CI Series