

LS-US2 Media Station



- Mixing, Switching, Recording and Live Streaming for 2 USB and Network Sources
- Compact and All-in-One Design, Reliable and Easy-to-Use
- Supports 1080p Full HD Resolution, USB Speakerphones, Interactive Touch Displays, and More

Main Features

Easy to Record and Stream a Professional Video

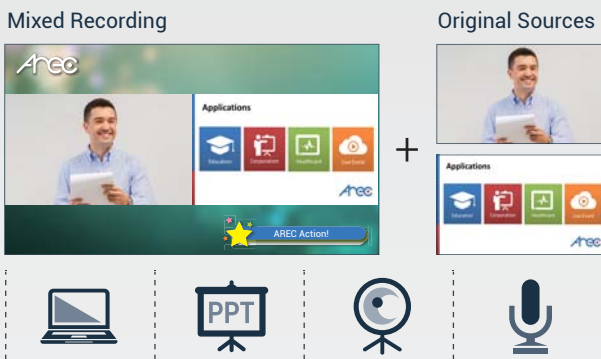
AREC LS-US2, a compact and all-in-one Media Station, supports capturing, switching, mixing, recording and simultaneously live streaming 2 Full HD video sources. Its straightforward design lets non-technical users produce a professional-quality video easily and efficiently. LS-US2 supports RTMP based platforms like YouTube, Facebook, Twitch, Wowza, and other CDNs straight from the box.



Capture Up to 2 Video Sources in a Layout of Your Choosing

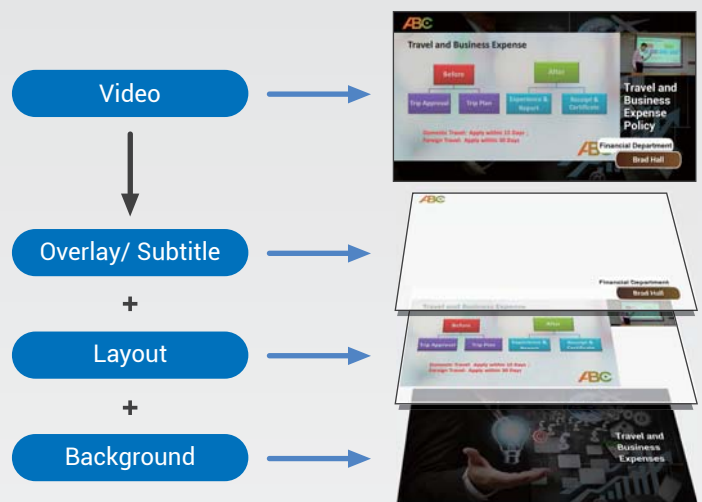
Mix USB (UVC)*, RJ-45 LAN camera and streaming inputs together with USB (UAC) audio and create a complete mixed video plus 2 individual video channel recordings with a push of one button.

* LS-US2 comes in a bundle with an HDMI-to-USB (UVC) dongle that allows the device to support video input from HDMI sources like computers and interactive boards.



Adding Titles & Graphics to Your Video

With LS-US2, users can easily switch and mix between sources, add or remove logos, backgrounds, overlay graphics, and subtitles to create their own custom and professional lecture video.



Intuitive and Versatile Control Options

LS-US2 comes with numerous control options, including AREC Online Director web page, Interactive Graphical User Interface (GUI), and Mini Controller web interface for mobile devices. LS-US2 is also fully compatible with free to use AREC software, such as Online Director Application, Station Manager, and others. AREC also provides an APK for additional integration with interactive flat panel displays.**



On-screen GUI & USB Interface*



Web/ SW-based Online Director



Mini Controller from Mobile Device



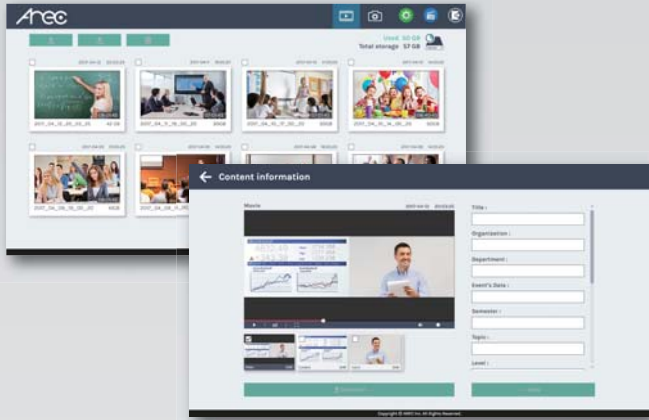
AREC Recording APK for Android Interactive Whiteboards

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

**Please contact your sales representative for more information.

AREC Video Manager: Videos with Just One Click

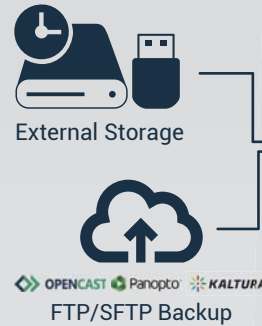
With the built-in Video Manager, administrators or teachers can manage videos stored in the local LS-US2 Media Station remotely. They can download, upload or delete video files, and edit video metadata.



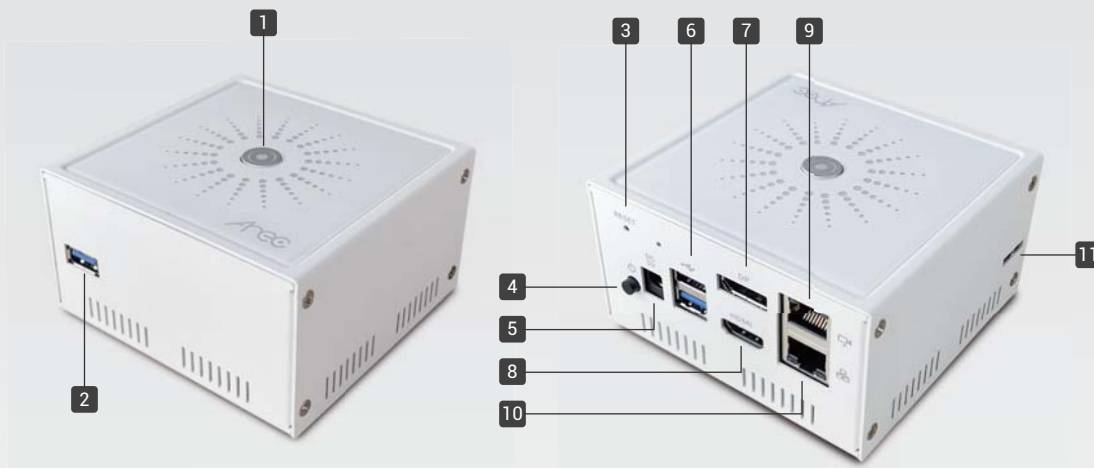
Recording and Backup

LS-US2* can record and save videos on a connected USB storage. It supports automatic backup and upload of recordings after their completion to AREC MSR, FTP and SFTP servers, as well as NAS.

* Users will need to have a valid account on Opencast, Panopto, or Kaltura to use these platforms together with LS-US2.



Product Appearance and Interfaces



- 1 Record Button
- 2 USB Storage
- 3 Reset Port
- 4 Power Button
- 5 Power Port
- 6 USB-In
- 7 DP-Out
- 8 HDMI-Out
- 9 Ethernet Port (LAN)
- 10 Ethernet Port (WAN)
- 11 USB 3.0 Micro B Port

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-US2 IP Address
- 12 Audio Volume Bar
- 13 Display Switch

Specifications

Model Name	AREC LS-US2 Media Station
Input Connection	
Video-in Interface	USB (UVC): 2 channels RJ-45: 2 channels (supports AREC Full HD network camera) IP Streaming: 2 channels Note: Supports HDMI inputs with bundled HDMI-to-USB (UVC) dongle
Max. Video-in Channels	Maximum 2 channels synchronized recording
Resolution Range	Up to 1080p60, multiple codec resolution available RTP/ RTMP/ RTSP, Max.: 1080p30
Audio-in Channels	USB (UAC): 2 channels IP Audio: 2 channels
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 (GUI with 1 output option from PGM, inputs monitoring and mixing display) 1x DisplayPort 2x H.264/AVC digital video over Ethernet
Audio Outputs	1x HDMI 1x DisplayPort
Max. Output Resolution	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	Supports USB drive recording through the front port
Locally Stored File Format	MP4
Backup	FTP/ SFTP/ NAS
Third-Party Video Management System	Compatible with Opencast, Panopto, and Kaltura
Live Broadcasting	
Live Broadcast to CDN or Stream Server	Yes, supports RTMP (RTMPS) protocol. Stream up to 2 platforms simultaneously

Recording	
Recording Modes	Mixed mode, 1 Mixed + 2 individual original sources
Scheduled Recording	Yes, supports iCalendar format (.ics file) for automatic recording/streaming, such as google calendar
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 default and user-uploaded images are supported
On-Screen Overlay Images	Multiple default and user-uploaded images are supported
Subtitle	Text can be added manually via the built-in web interface
Custom Themes	Multiple themes can be created via the built-in web interface
Video Information Editing	
Post Video Info Editing	Yes, through Video Manager web page
Video Info Adding	Video information can be added automatically before the video is recorded. Manual input is available before and after the recording finishes
Controls of LS-US2 and Network Camera	
Touch Interface	Touch control is supported via USB connection
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 TCP protocol
Interactive Whiteboard Control	Yes, through AREC Recording APK for Android systems
Video Manager Platform	Built-in web interface called Video Manager
Group Management	Available via ARECloud. Firmware version v2.11 is required to enable this feature
Camera Control	VISCA over IP/ ONVIF profile S
General Information	
Operation System	Embedded Linux system
Power Supply	5V
Temperature / Humidity	0~40°C / 90%
Dimension	98mm(L) x 95mm(W) x 55mm(H)
Weight	480g
Language	SC / TC / English/ Russian/ Spanish/ Czech/ Korean/ Latvian/ German/ Estonian
Accessories	Power adapter / quick guide / HDMI-to-USB dungle



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