



LS-300 Media Station

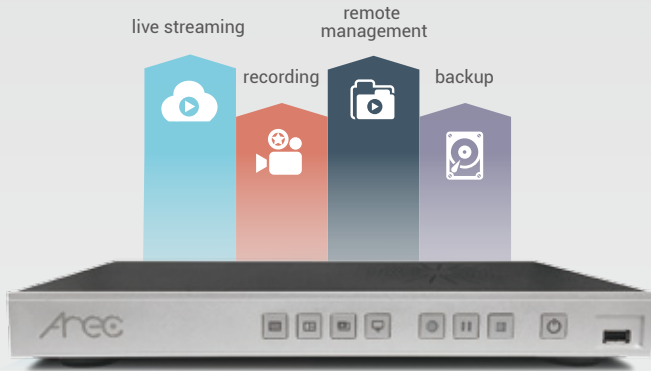


- All-in-One Device to Offer Up to 3 Full HD Video Sources Capturing, Mixing, Switching, Recording and Live Streaming
- Next-Generation System Design Provides a Simpler and More Intuitive User Interface
- New Features for Live Video Production : Background, Overlay Images, and Themes.

Main Features

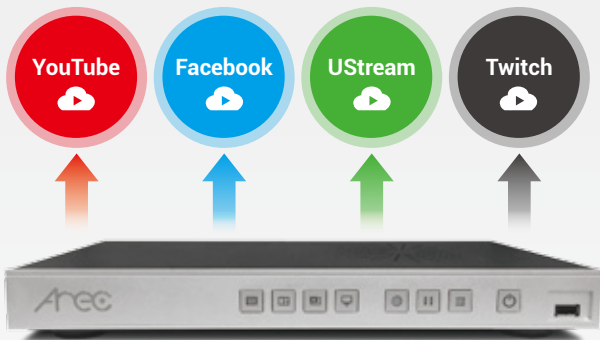
Easy to Create Your Live Video Like a Pro

AREC LS-300 is a lightweight and compact Media Station, allowing users to simultaneously capture, switch, mix, stream and record live activities in a simple and efficient way. Built on lowering the entry barriers of using professional AV devices, AREC Media Stations are designed to support every user could enjoy making and delivering high quality videos without any professional skills.



Achieve Multi-Source Live Streaming

LS-300 provides multi-source live streaming to broadcast the live image and voice of an on-going lecture or event on YouTube, Facebook, UStream, Twitch and other live broadcasting websites, allowing any participant to attend at any location in the world.



Real-Time Assistant in Video Making

Built-in Online Director, AREC LS-300 provide a more intuitive experience for live production. It allows users to switch and mix between multiple cameras and digital content sources. It also supports monitoring the cameras' view, streaming setting, and adding pre-made background and overlay images for live production.



Capture Up to 3 Video Sources at the Same Time

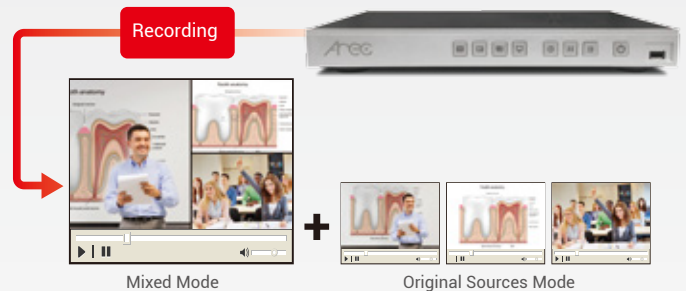
LS-300 supports capturing up to 3 video sources through HDMI / VGA/ RJ45 interfaces* at the same time. It is compatible with network cameras, laptops, and digital microscopes etc. With audio support, LS-300 can mix audio via HDMI, stereo audio jack and AREC wireless microphone.

* Supports DVI and component video cable inputs with appropriate DVI to HDMI or component to VGA adaptors.



Flexible 3-Inputs and 4 Recording Video Files

AREC LS-300 supports up to 3-input sources capturing and up to 4 synchronized recording videos. As users choose mixed plus original sources recording mode, LS-300 can provide 1 mixed video and 3 individual synchronized source videos for flexible post-production use.



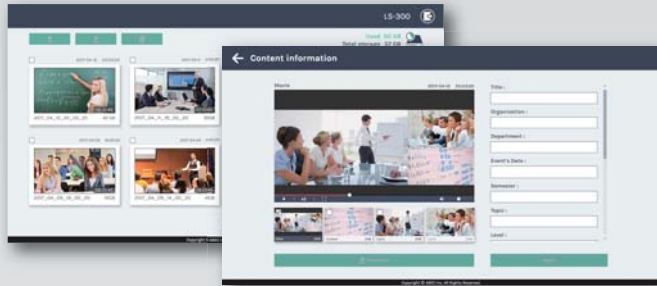
New Features for Live Video Production

LS-300 supports users to easily add pre-made background images, overlay images (titles), and custom themes when broadcasting. If users just want to record a video with a fixed layout, control buttons on the front of machine allows for easy operation.



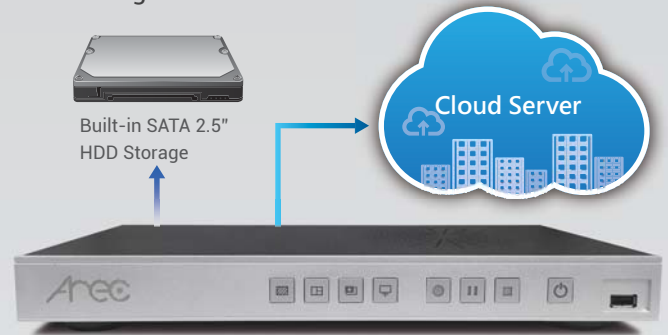
AREC Video Manager : Videos With Just One Click

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.



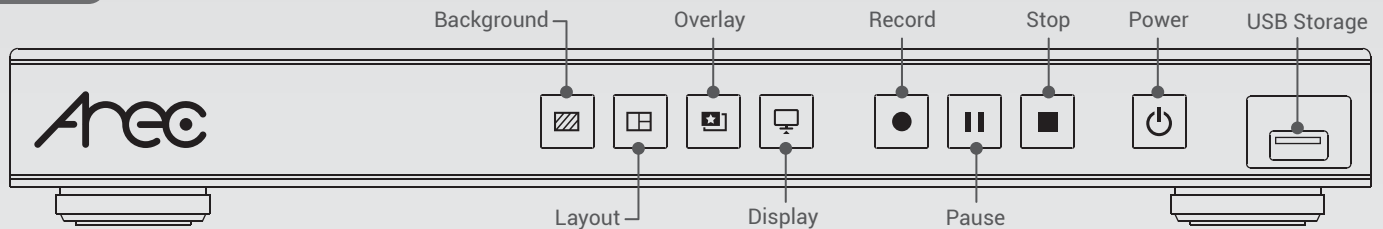
Built-in Hard Drive Storage & Backup

Equipped with 1TB hard drive, LS-300 not only saves hundreds of hours recording videos but also enhances the overall efficiency. To satisfy different requirements, LS-300 also supports automatic and remote FTP backup to keep the recording safe.

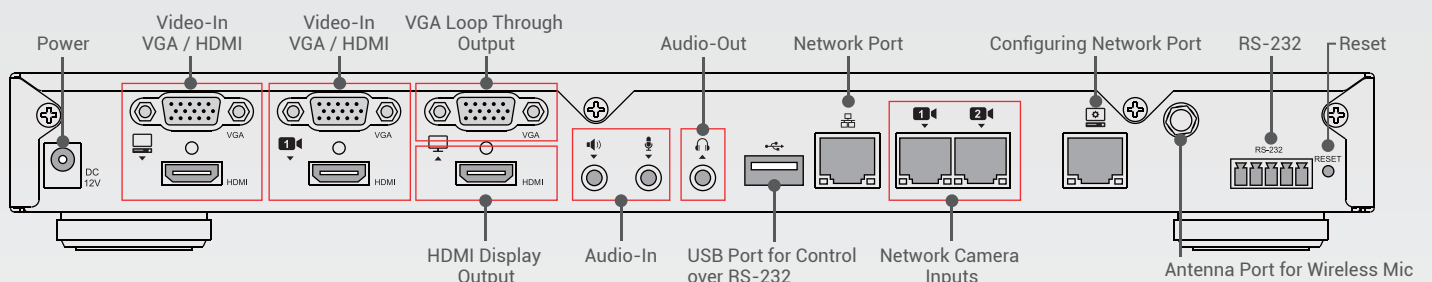


Product Interface

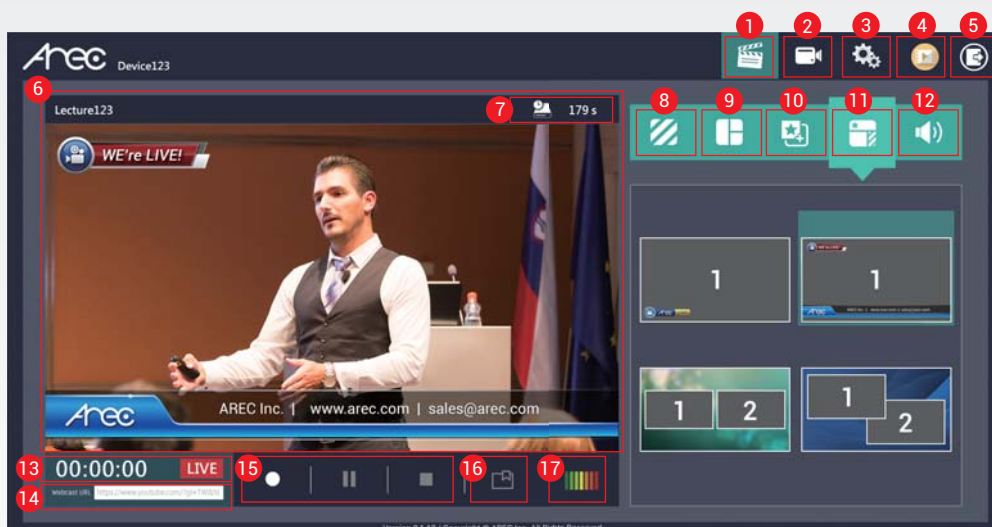
Front View



Back View



User Interface of Online Director



- 1 Online Director
- 2 Visual Sources Monitoring
- 3 Setup
- 4 Video Manager
- 5 Log Out
- 6 Program View for Recording
- 7 Remaining Time for Recording
- 8 Background Images
- 9 Recording Layouts
- 10 Overlay Images
- 11 Custom Themes
- 12 Audio Volume Control
- 13 Recording Time
- 14 Live Streaming URL
- 15 Start/Pause/Stop Recording and Streaming
- 16 Add Bookmark
- 17 Volume Meter

Specifications

Model Name	AREC LS-300 Media Station
Input Connection	
Video Inputs	HDMI / VGA / RJ-45 (Supports AREC full HD network camera)
	Note: Supports DVI and component video cable inputs with appropriate DVI to HDMI or component to VGA adaptors
Max. Video-In channels	Maximum 3 channel synchronized recording
	HDMI / VGA: up to 2 channels Full HD network camera: up to 3 channels
Video-In Modes	HDMI: 480i~1080p60 VGA video: 480i~1080p60 VGA PC: 640 x 480~1920 x 1080
Audio Inputs	Line in, Mic, wireless Mic, HDMI
Max. Audio-In channels	3.5mm Stereo: 2 channels
	Wireless Mic: 1 channel
	HDMI: 2 channels
Video Processing	
Compression	H.264 / AVC
Frame Rate	Max. 30fps
Bit Rate	500Kbps~8Mbps
Resolution	Max. 1080p (320x240 ~ 1920x1080)
Audio Processing	
Compression	AAC-LC
Bit Rate	80Kbps~320Kbps
Video Outputs	
Video Outputs	1x HDMI display port
	1x VGA display port (1 output option from loop-through, inputs monitoring and multi-source display)
Local Storage	
External Storage	Supports USB drive recording through the front port.
Locally Stored File Format	MP4
Local Storage	1TB 2.5" SATAIII hard drive
Remote Storage	
FTP Backup	Video files will backed up automatically to FTP server after end of recording
Streaming / Main System Output	
Streaming Delay	1 sec.
Compatible Streaming Input Protocols	RTSP, RTP, RTMP, UDP
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)
Main Output Mode (Max.)	HDMI / VGA: 1080p60

Recording	
Camera Control	VISCA / PELCO-D / PELCO-P
Recording Modes	Mixed mode, 1 Mixed + 3 individual original sources
Recording Layouts	21 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
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
Video Information Editing	
Post Video Info Editing	Yes, through Video Manager platform
Video Info Adding	Video info will be added on video file name automatically while file output or uploading
Operating Controls	
Video Switcher	Yes, through web-based AREC Online Director 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
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	1.71kg (3.76 lbs)
Language	SC / TC / English / Russian / Spanish / Czech
Accessories	Power adapter / quick guide / wireless Mic antenna
Recommended AREC Products	
AREC Auto-Tracking System AREC Network Camera CI Series AREC Wireless Microphone	



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