LS-200
Media Station

- 2 Video Sources Mixing, Switching, Recording and Live Streaming
- Easy to Create a Professional Video
- Fully Integrated with Kaltura, Panopto and Opencast Video Management Systems

Main Features

Easy to Create a Professional Video

AREC LS-200, a lightweight and all-in-one Media Station, supports 2 Full HD video sources capturing, switching, mixing, recording and live streaming simultaneously for non-technical users to produce a creative video easily and efficiently. With LS-200, 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-200 supports up to 2 Full HD 1080p video inputs. Users can choose 1 mixed video plus 2 individual videos recording for flexible use. LS-200 can mix audio via HDMI, 3.5mm stereo audio jacks and AREC wireless microphone.

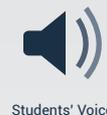Digital Camera   Network Camera   Digital Content   Digital Materials

Auto-Tracking System   Educator's Voice   Students' Voice   Information Equipment

Real-Time Assistant in Video Making

With AREC Online Director, LS-200 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.

Video

Overlay
+
Layout
+
Background
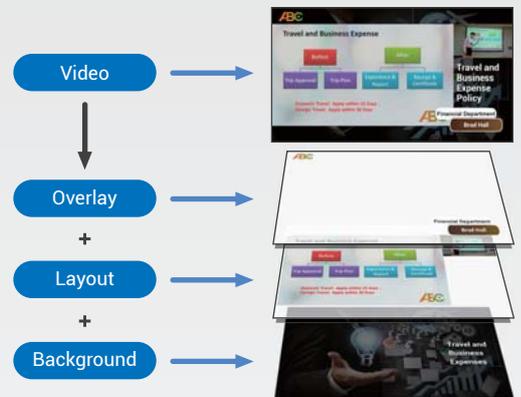
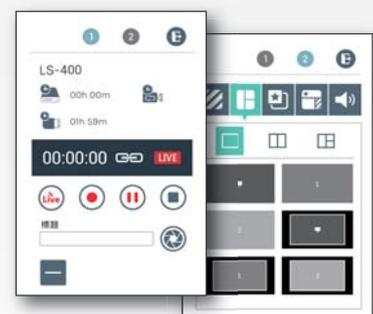## Intuitive and Versatile Control Options

AREC Online Director supports a wide range of control options, including Web Browser (IE, Firefox, VLC), 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-200 are also provided.

On-screen GUI & USB Interface*   Web/ SW-based Online Director   Mini Controller from Mobile Device

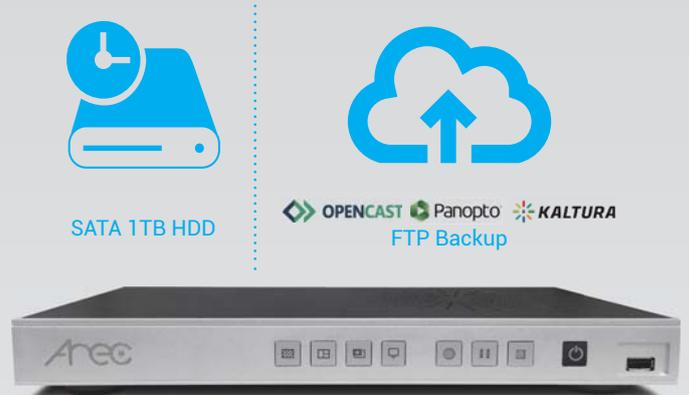*The on-screen GUI supports mouse device control through USB connection.

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-200 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.
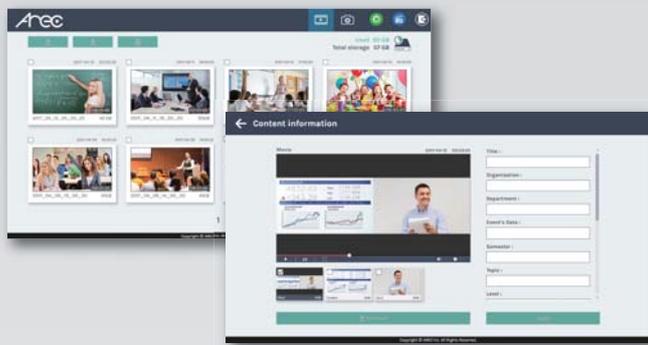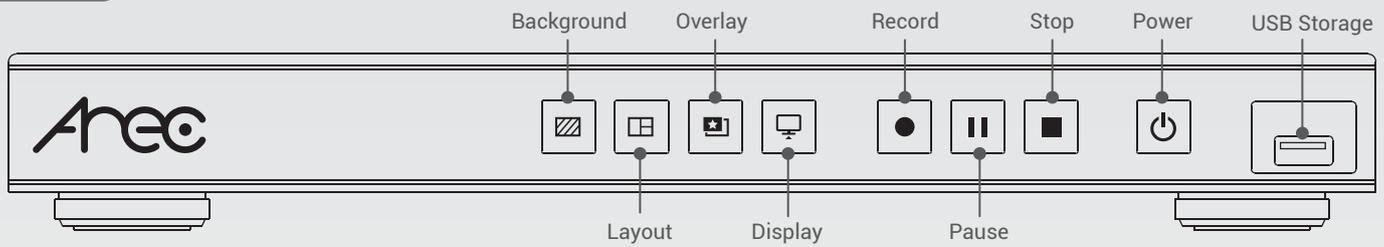
Backup & Upload Your Recordings

With internal 1TB hard drive, LS-200 can save hundreds of hours recording videos. To increase security, LS-300 can automatically backup or upload recordings to AREC MediaCenter, FTP, SFTP, Opencast, Kaltura, Panopto and so on.

SATA 1TB HDD

OPENCAST • Panopto • KALTURA
FTP Backup

Product Interface

Front View

Background	Overlay		Record	Stop	Power	USB Storage
Layout	Display	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 | Antenna Port for Wireless Mic
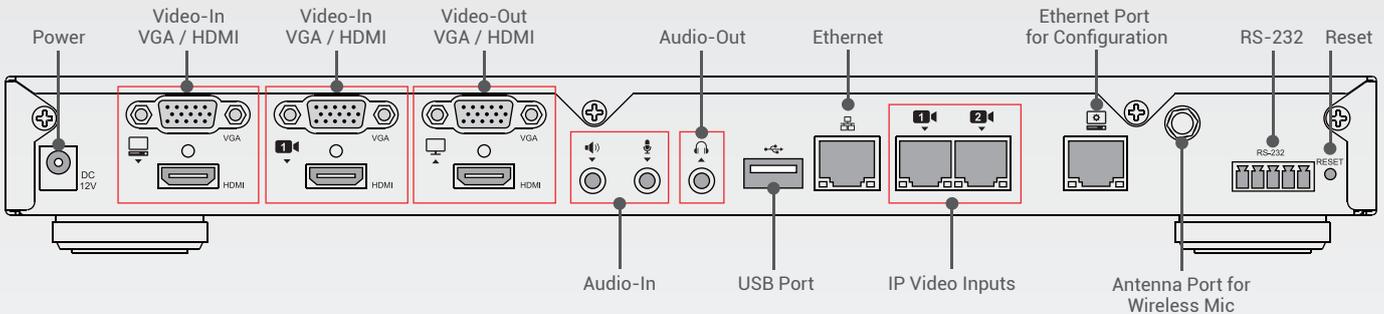
On-Screen Graphical User Interface

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-200 IP Address
12 Audio Volumn Bar
13 Display Switch

LIVE 00:00:00 100.200.000.168

Specifications

Model Name	AREC LS-200 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: 480i~1080p60 RTP/ RTMP/ RTSP, Max.: 1080p30
Audio-in Channels	3.5mm Stereo Mic in: 1 channel; 3.5mm Stereo Line in: 1 channel; Wireless Mic: 1 channel; HDMI: 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 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	1TB 2.5" SATAIII Hard Drive
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
Third-Party Software Server	Compatible with Opencast, Panopto and Kaltura

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 (RTMPS) protocol. Stream up to 2 platforms simultaneouslyly

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-200 and Network Camera	
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 (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: through web page
Camera Control	VISCA / PELCO-D / PELCO-P / ONVIF profile S

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/ Korean/ Latvian
Accessories	Power adapter / quick guide/ wireless Mic antenna

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