AREC KL-3
Portable Media Station

- All-in-One Device with 10.1-inch Panel to Offer Up to 3 Full HD Video Sources Capturing, Mixing, Switching, Recording and Live Streaming
- Portable Design for Easy Move and Place

Main Features

Capture Up to 3 Video Sources at the Same Time

Via HDMI, VGA, RJ-45 interfaces or streaming inputs, KL-3 supports multiple video and audio recording at once. As users choose "mixed plus original sources mode" recording, KL-3 can provide 1 mixed video and 3 individual source videos for flexible use.

Recording

Mixed Mode   Original Sources Mode

Portable Design for Easy Move

With 10.1" LCD screen, AREC KL-3 is a portable and all-in-one Media Station, allowing users to simultaneously capture, switch, mix, stream and record live/multi-sources events in demanding portable applications*.

* KL Travel Case is the optional accessory.

Real-Time Assistant in Video Making

With AREC Online Director or on-screen GUI, KL-3 makes users easily switch and mix between sources, add or remove logos, backgrounds and overlay graphics (titles) for live production.

Overlay

+

Layout

+

Background

Broadcast Your Mixed Video

KL-3 can stream mixed video to up to 2 platforms simultaneously, such as YouTube, Facebook, Twitch and other live broadcasting websites.

YouTube

UStream

Facebook

Twitch

AREC Video Manager: Videos with Just One Click

With the built-in video management platform, administrators or teachers can manage videos stored 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.
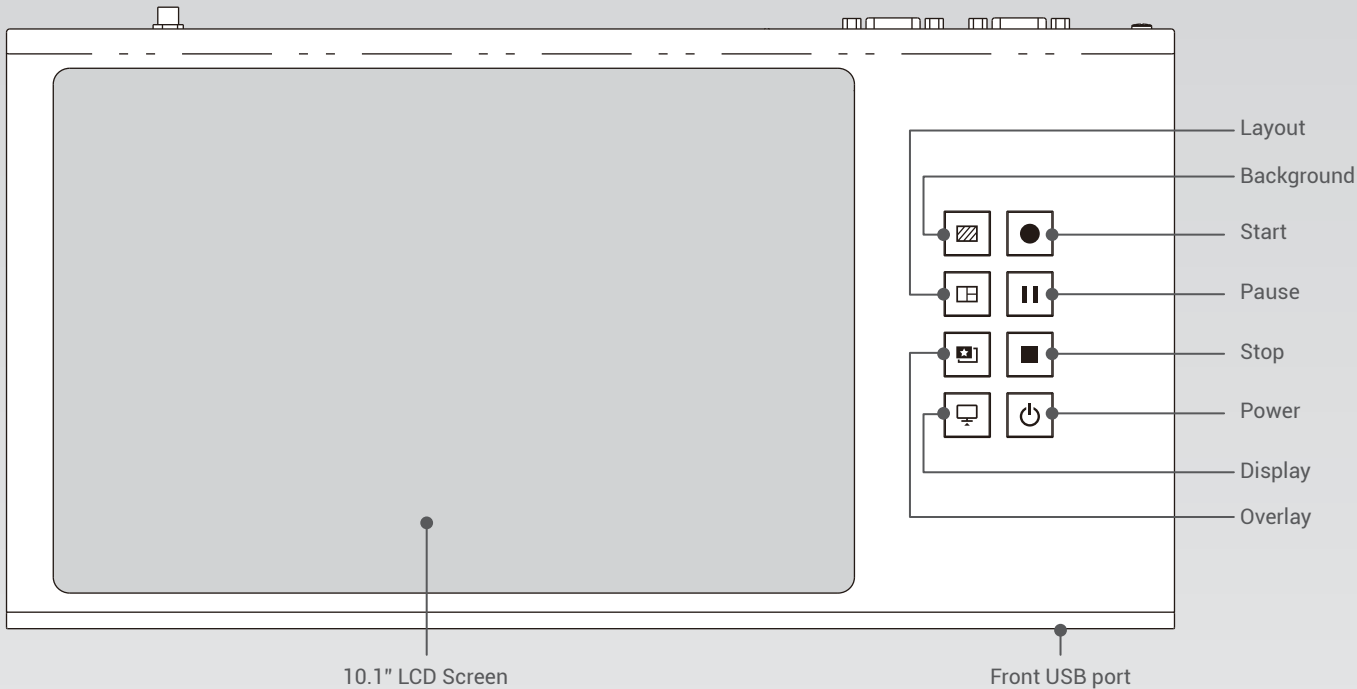

Backup Your Recordings

With internal 1TB hard drive, KL-3 can save hundreds of hours recording videos. To increase security, KL-3 can automatically backup or upload recordings to AREC MediaCenter, FTP, SFTP, Opencast, Kaltura, Panopto and so on.
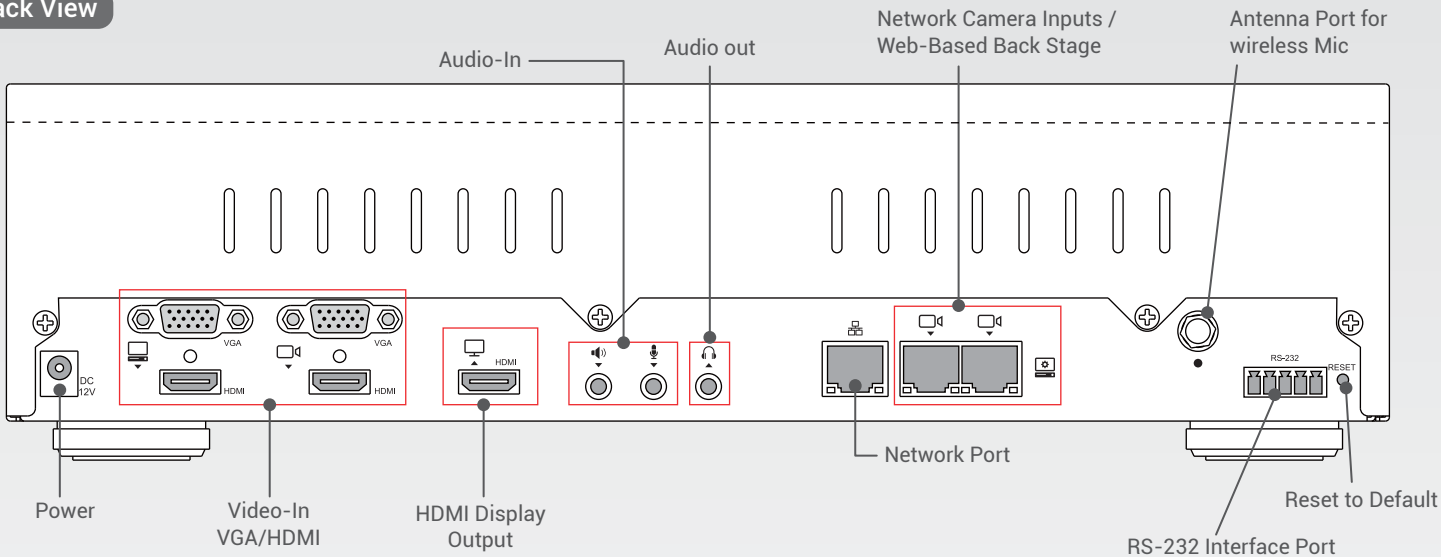

Built-in SATA 2.5" HDD Storage

Cloud Server

Product Interface

Top View

10.1" LCD Screen

Layout
Background
Start
Pause
Stop
Power
Display
Overlay

Front USB port

Back View

Audio-In
Audio out
Network Camera Inputs /
Web-Based Back Stage
Antenna Port for
wireless Mic

Power
Video-In
VGA/HDMI
HDMI Display
Output
Network Port
Reset to Default
RS-232 Interface 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 KL-3 IP Address
12 Audio Volumn Bar
13 Display Switch

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

Specifications

Model Name	AREC KL-3 Media Station

Video Inputs

Video Input Interface	HDMI/ VGA/ RJ-45(Supports AREC Full HD network camera and IP streaming)
	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 2 channels
Resolution Range	HDMI: 480i~1080p60 VGA Video: 480i~1080p60

Video Processing

Compression	H.264/ AVC
Frame Rate	Max. 30fps
Bit Rate	300Kbps~8Mbps
Resolution	Max. 1080p (640x360 ~ 1920x1080)

Audio Inputs

Audio-in Channels	3.5mm Stereo Mic in: 1 channel; 3.5mm Stereo Line in: 1 channel; Wireless Mic: 1 channel; HDMI: 2 channels

Audio Processing

Compression	AAC-LC
Bit Rate	80Kbps~320Kbps

Video / Audio Outputs

Built-in LCD Display	10.1" 1280x800 TFT LCD Panel
Video Output	1x HDMI display port 2x H.264/AVC digital video over Ethernet
	Note: on-screen GUI is selectable between HDMI and built-in screen
Output Resolution	1080p60
Audio Outputs	3.5mm Stereo Line out: 1 channel; HDMI: 1 channel

Streaming / Main System Output

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 + 3 individual original sources
Recording Layouts	21 layouts for user-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
On-Screen Images	Multiple for user-defined
Custom Theme	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 simultaneously

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 KL-3 and Network Camera

Mouse Device	Through USB interface connection
Video Switcher	Yes, through AREC Online Director (web-based or desktop applications) and on-screen GUI for manual controls
External Control	Yes, supports RS-232 interface port
Control Button	Yes, on the front of the media station
Video Management Platform	Built-in video management platform: through web-based control interface

General Information

Operation System	Embedded Linux system
LCD Screen	Yes, built-in 10.1" LCD screen
Power Supply	12V/ 3A
Temperature / Humidity	0~40°C/ 90%
Dimension	354mm(L) x 188.2mm(W) x 91.4mm(H)
Weight	2.65kg(5.84lbs)
Language	SC/ TC/ English/ Russian/ Spanish/ Czech/ Korean
Accessories	Power adapter / wireless Mic antenna / quick guide / VGA line / HDMI line / RJ-45 line / Terminal Block / HDMI to VGA converter*

* Please use genuine original AREC HDMI to VGA converter