AREC KL-3WT

Touch Portable Media Station

- All-in-One Device with 10.1-inch Touch Panel to Offer Up to 3 Full HD Video Sources Capturing, Mixing, Switching, Recording and Live Streaming
- Portable Design for Easy Move and Place
- Touch-Friendly Graphical User Interface Makes Live Production Accessible
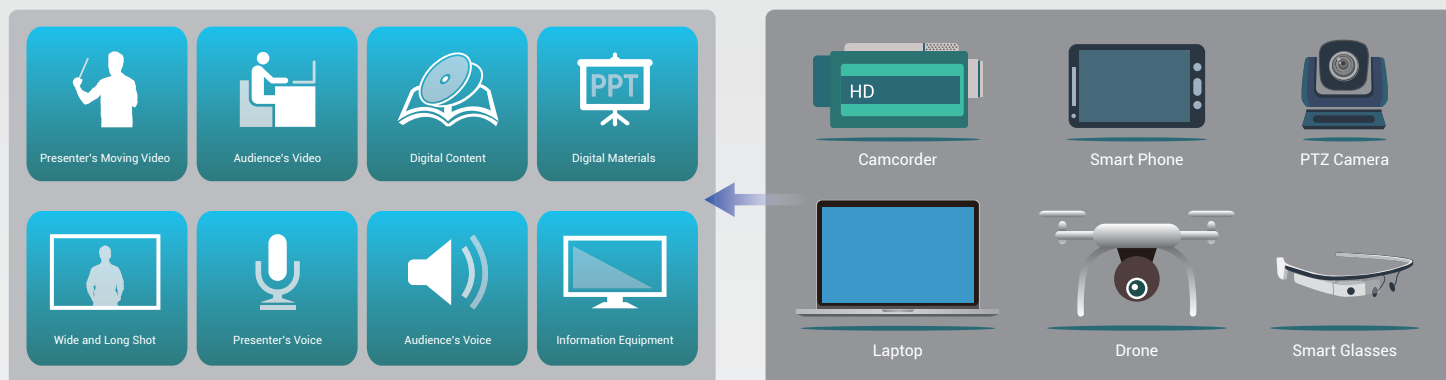
Wire-Free and Portable Design for Easy Move

Coming with 10.1" LCD touch screen and built-in WiFi module, AREC KL-3WT Media Station is a wire/wireless, portable and all-in-one device, allowing users to simultaneously capture, switch, mix, stream and record live events in a simple and efficient way. Compatible with AREC Wireless Microphone and optional AREC cameras, AREC KL-3WT makes it simple and convenient to stream and record multi-sources events in demanding portable applications.

Wireless Transmission

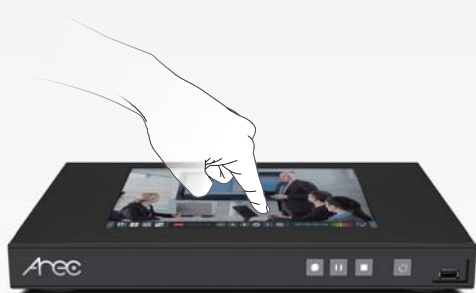**Wireless Transmission**

Main Features

Capture Up to 3 Video Sources at the Same Time

Via HDMI, VGA, RJ-45 interfaces or streaming inputs, AREC KL-3WT supports up to 3 Full HD 1080p video sources capturing, mixing, switching, recording and live streaming. Through suggested video streaming app, KL-3WT also can receive live videos from iOS or Android smart phone and tablet. KL-3WT can mix audio via HDMI, 3.5mm stereo audio jacks and AREC wireless microphone. For flexible use, users can choose 1 mixed video plus 3 individual sources recording

Presenter's Moving Video | Audience's Video | Digital Content | Digital Materials

Wide and Long Shot | Presenter's Voice | Audience's Voice | Information Equipment

HD | Camcorder | Smart Phone | PTZ Camera
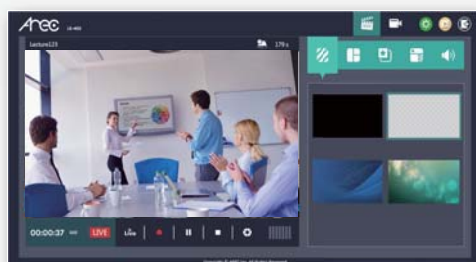
Laptop | Drone | Smart Glasses
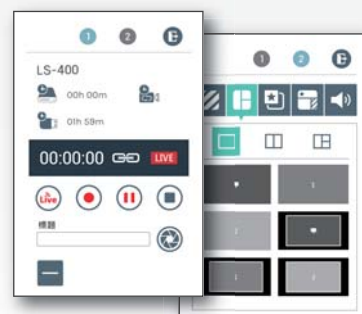
Intuitive and Versatile Control Options

AREC Online Director supports a wide range of control options, including Web Browser (IE, Firefox), Software Application (Windows, Mac OS), Touch-Friendly Graphical User Interface(GUI)*, and Mini Controller from Mobile Device. With 10.1-inch touch panel and built-in a graphical user interface (GUI)*, KL-3WT makes live production easily. Through Mini Controller, AREC KL-3WT can be accessed via browsers on Android or iOS phones and tablets – no particular apps required. Control buttons on the top of KL-3WT are also provided.

On-screen GUI & USB Interface
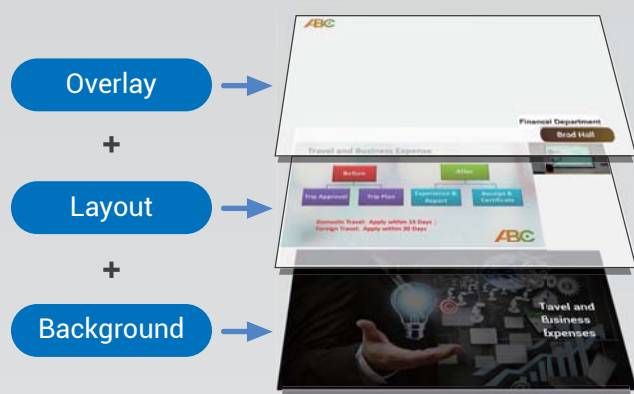
Web/ SW-based Online Director

Mini Controller from Mobile Device

Real-Time Assistant in Video Making

With AREC Online Director or on-screen GUI, KL-3WT 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 backgrounds and overlay graphics (titles), and change layouts and themes for live production.

Web-based Online Director

Overlay

+

Layout

+

Background

Broadcast Your Mixed Video

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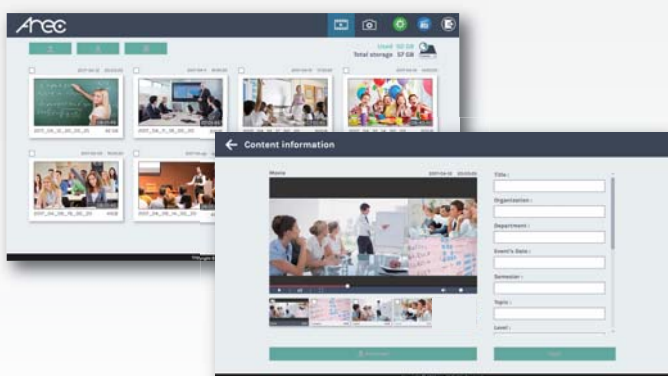

1 Mixed and 3 Individual Video Sources Recording

KL-3WT supports multiple video and audio recording at once. As users choose "mixed plus original sources mode" recording, KL-3WT can provide 1 mixed video and 3 individual source videos for flexible use.

Recording

Mixed Mode   +   Original Sources Mode

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 & Upload Your Recordings

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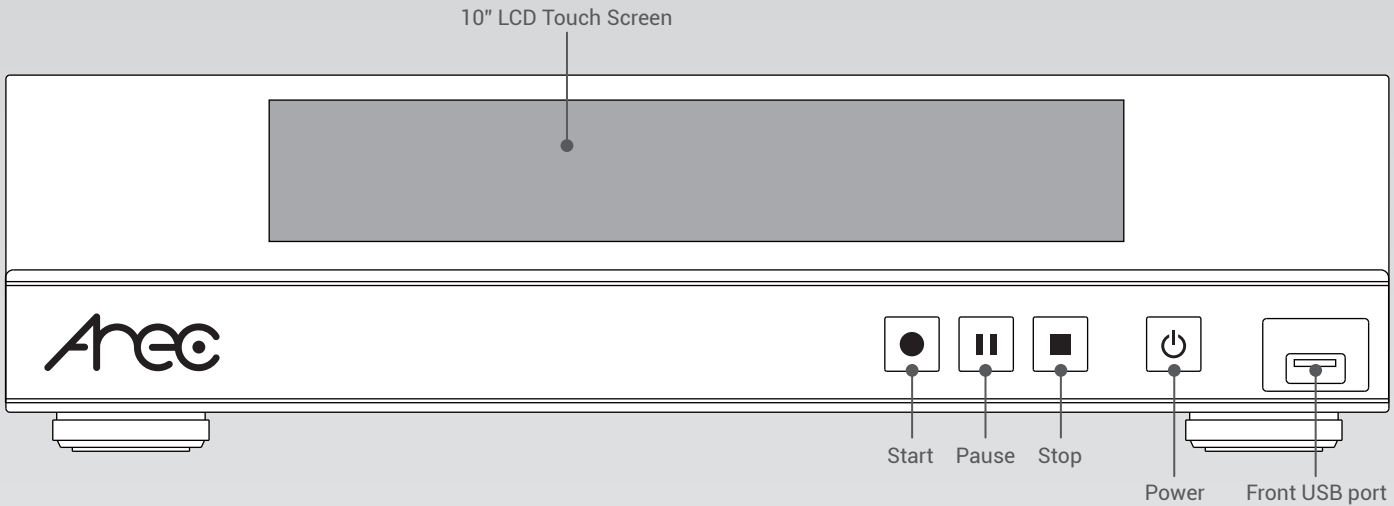

SATA 1TB HDD

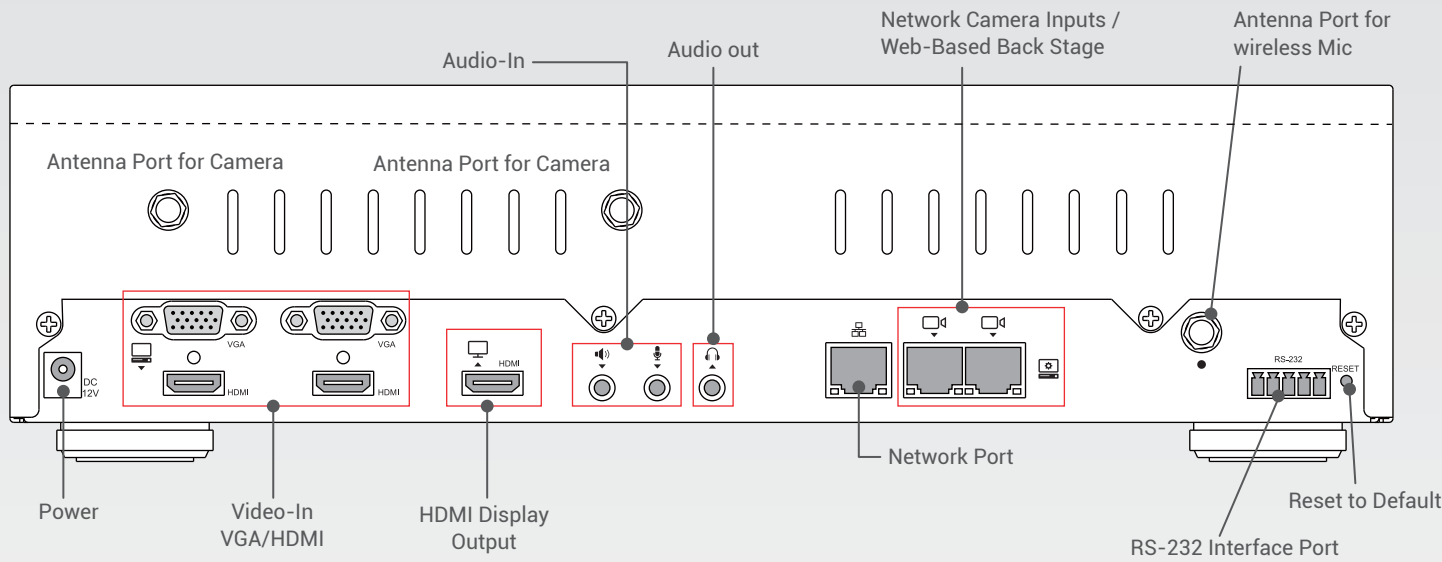OPENCAST Panopto KALTURA
FTP Backup

Product Interface

Top View

10" LCD Touch Screen

Start Pause Stop

Power Front USB port

Back View

Audio-In

Audio out

Network Camera Inputs /
Web-Based Back Stage

Antenna Port for
wireless Mic

Antenna Port for Camera

Antenna Port for Camera

VGA VGA

DC
12V

HDMI HDMI

HDMI

RS-232

RESET

Network Port

Power

Video-In
VGA/HDMI

HDMI Display
Output

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-3WT IP Address

12 Audio Volumn Bar

13 Display Switch

LIVE 00:00:00   100.200.000.168

Specifications

Model Name	AREC KL-3WT Media Station

Video Inputs	
Video-in Channels*	HDMI/ VGA/ RJ-45 (Supports AREC Full HD network camera and wireless IP inputs)
	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 VGA PC: 640 x 480~1920 x 1080

Video Processing	
Compression	H.264/ AVC
Frame Rate	Max. 30fps
Bit Rate	300Kbps~4Mbps
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 Touch Screen	10.1" 1280x800 TFT LCD PCAP Touch Panel
Video Output	1x HDMI display port (with on-screen GUI) 2x H.264/AVC digital video over Ethernet
Output Resolution	1080p60
Audio Outputs	3.5mm Stereo Line out: 1 channel; HDMI: 1 channel

WiFi Connection	
WiFi Connection Support	Yes, built-in WiFi module to support 2 wireless network camera inputs
Network Standards	IEEE 802.11 b/g/n 2x2
Operating Frequency	2.4GHz

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 protocol

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-3WT and Network Camera	
Touch Interface	Through built-in 10.1" touch screen
Mouse Device and Numeric Keypad	Through USB interface connection
Video Switcher	Yes, through AREC Online Director (web-based or desktop applications) and 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, on the front of the media station
Video Management Platform	Built-in video management platform: through web-based control interface
Camera Control	VISC/ PELCO-D/ PELCO-P/ ONVIF Profile S

General Information	
Operation System	Embedded Linux system
LCD Screen	Yes, built-in 10.1" LCD touch screen
Power Supply	12V/ 3A
Temperature / Humidity	0~40°C/ 90%
Dimension	354mm(L) x 188.2mm(W) x 91.4mm(H)
Weight	2.62kg(5.78lbs)
Language	SC/ TC/ English/ Russian/ Spanish/ Czech/ Korean/ Latvian
Accessories	Power adapter / wireless Mic antenna / quick guide / VGA line / HDMI line / RJ-45 line / Terminal Block / WiFi module antenna x 2 / HDMI to VGA converter*

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