



# 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

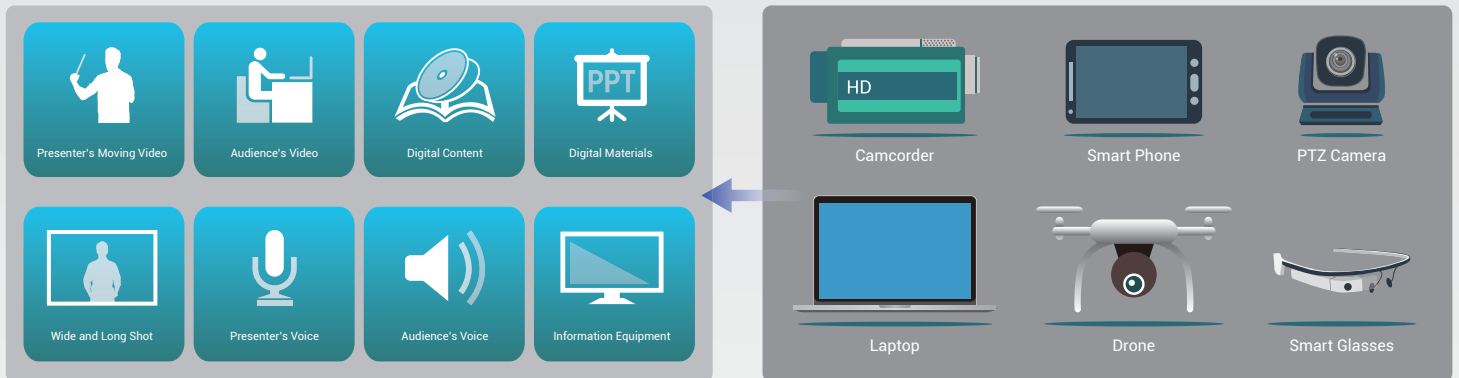
Coming with 10.1" LCD touch screen and built-in WiFi module, AREC KL-3WT is a wire/wireless, portable and all-in-one Media Station, allowing users to simultaneously capture, switch, mix, stream and record live events in a simple and efficient way. Compatible with AREC Wireless Microphone and optional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



## 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



### Touch-Friendly On-Screen Graphical User Interface

With a compatible interactive display and built-in a touch-friendly graphical user interface (GUI)\*, KL-3WT allows users to start or stop recording/streaming, change recording layouts, and playback videos with easier control. KL-3WT also provides control buttons on the front of machine.

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



## 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, change backgrounds, add or remove overlay graphics (titles) for live production.



Web-based Online Director



## 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.



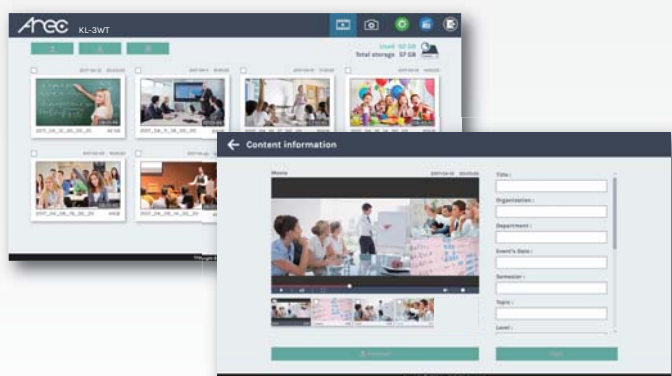
## 1 Mixed and 3 Individual Video Sources Recording

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.



## 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.



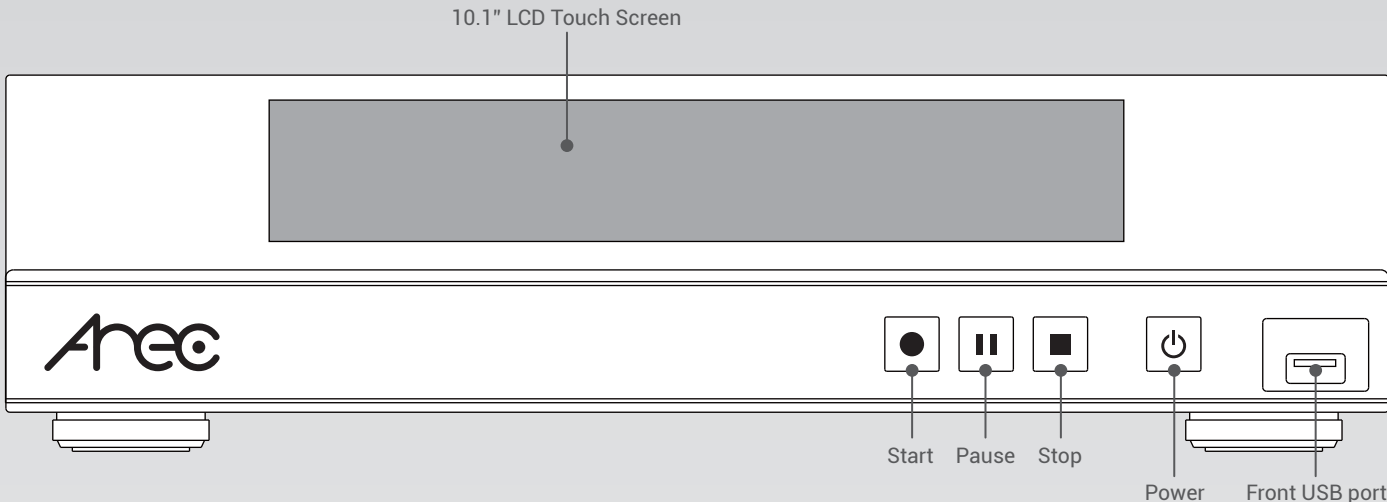
## Backup Your Recordings

With internal 1TB hard drive, KL-3WT can save hundreds of hours recording videos. To increase security, KL-3WT can automatically backup or upload recordings to AREC VOD Platform, FTP, SFTP, Opencast and others.

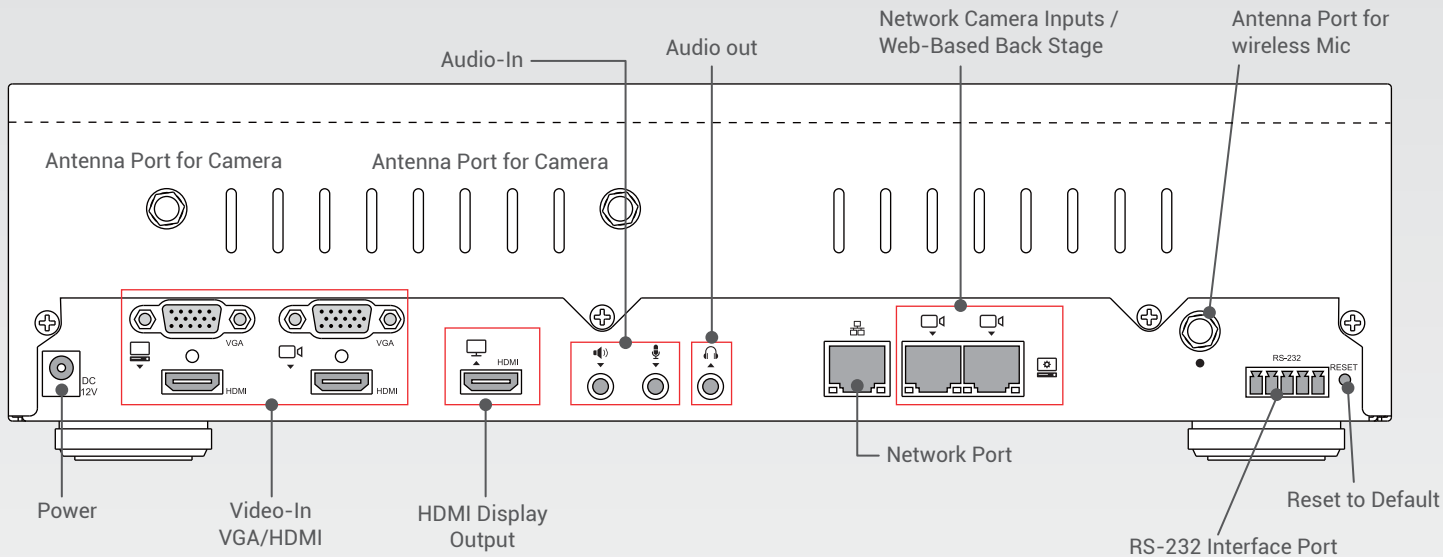


# Product Interface

## Top View



## Back View



# 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

# Specifications

Model Name	AREC KL-3WT Media Station
<b>Video Inputs</b>	
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
<b>Video Processing</b>	
Compression	H.264/ AVC
Frame Rate	Max. 30fps
Bit Rate	300Kbps~4Mbps
Resolution	Max. 1080p (640x360 ~ 1920x1080)
<b>Audio Inputs</b>	
Audio-in Channels	3.5mm Stereo Mic in: 1 channel; 3.5mm Stereo Line in: 1 channel; Wireless Mic: 1 channel; HDMI: 2 channels
<b>Audio Processing</b>	
Compression	AAC-LC
Bit Rate	80Kbps~320Kbps
<b>Video / Audio Outputs</b>	
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
<b>WiFi Connection</b>	
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
<b>Streaming / Main System Output</b>	
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)
<b>Storage, Backup, and Compatibility</b>	
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 Media Server

<b>Recording</b>	
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
<b>Live Broadcasting</b>	
Live Broadcast to CDN or Stream Server	Yes, support RTMP protocol
<b>Video Information Editing</b>	
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
<b>Controls of KL-3WT and Network Camera</b>	
Touch Interface	Through built-in 10.1" touch screen
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
<b>General Information</b>	
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
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*

\* Please use genuine original AREC HDMI to VGA converter



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