



# AREC KS-710

## Media Station



- A True All-in-One Device to Offer Up to 4 Full HD Video Sources Capturing, Mixing, Switching, Recording, Live Streaming and Remote Management
- Built-in 1TB Local Hard Drive and Professional Online Director
- Flexible 4-Channel-In and 5-Channel Recording Video Files Design

## Main Features

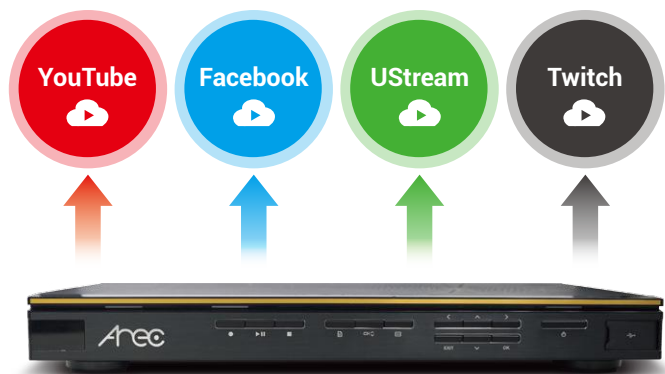
### Easy to Create Your Live Video Like a Pro

With embedded and all-in-one design, AREC KS-710 media station supports 4-channel Full HD video capturing, mixing, switching, recording, live streaming, online director, remote management and backup etc. AREC Media Stations are built on lowering the entry barrier of using professional, AV broadcasting related devices. With the combination of network communication, intuitive user interface and all-in-one product design, AREC media stations were designed to support every user could enjoy making and delivering high quality videos without any professional skills.



### Achieve Multi-Source Live Streaming

Supporting multi-source switching and mixing, KS-710 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



### AREC Online Director : Real-Time Assistant in Video Making

Built-in Online Director, AREC KS-710 allows switching and mixing between multiple cameras and digital content sources. It supports control and monitoring the cameras' field of view, movement, switching image layout, and adjusting audio volume etc. In addition, AREC has launched the exclusive app "Arec Action!", which allows users to control their streaming and recording from a mobile tablet\*.

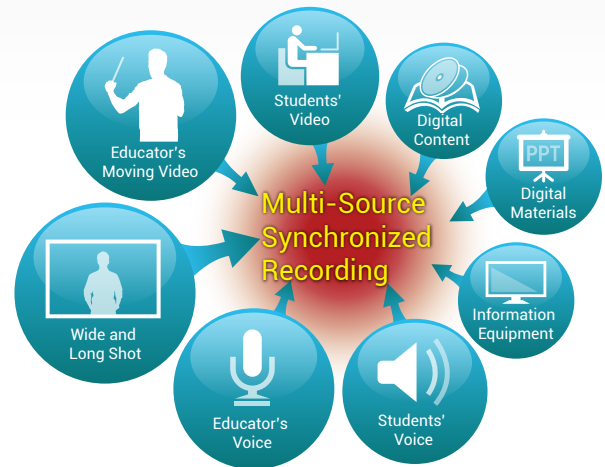
\* "Arec Action!" is free to download ( available on iPad).



### Multiple Sources Capturing

KS-710 supports capturing of multiple sources through HDMI / VGA/ RJ45 interfaces, it is compatible with network cameras, laptops, PCs, digital microscopes, wireless microphones etc.

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



### Flexible 4-Channel-In and 5-Channel Recording Video Files Design

AREC KS-710 supports up to 4-input sources capturing and up to 5-channel synchronized video outputs. Users can choose mixed recording mode or mixed plus original sources mode respectively. The mixed mode requires less storage space and network bandwidth. It can also be immediately watched when streamed. The mixed plus original sources recording mode provides 1 mixed video and 4 individual synchronized source videos for flexible post-production use.



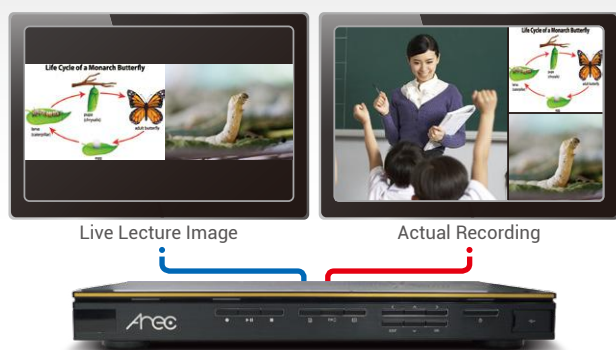
### Built-in Hard Drive Storage and Video Management Platform

Equipped with 1TB hard drive, KS-710 not only stores hundreds of hours recording videos but also enhances the overall efficiency. With the built-in video management platform, administrators or teachers can manage videos stored in the local Media Station remotely. They can rename, upload or delete a video file, insert an event index etc. Via system administration platform, users can access the system settings through the Internet.



## Proprietary Signal Separation Technology

AREC's Signal Separation Technology allows the flexibility of single or dual sources front stage (live lecture) display while simultaneously performing multi-source and multi-screen recording. This feature has been widely used in diverse vocational education and simulation labs.



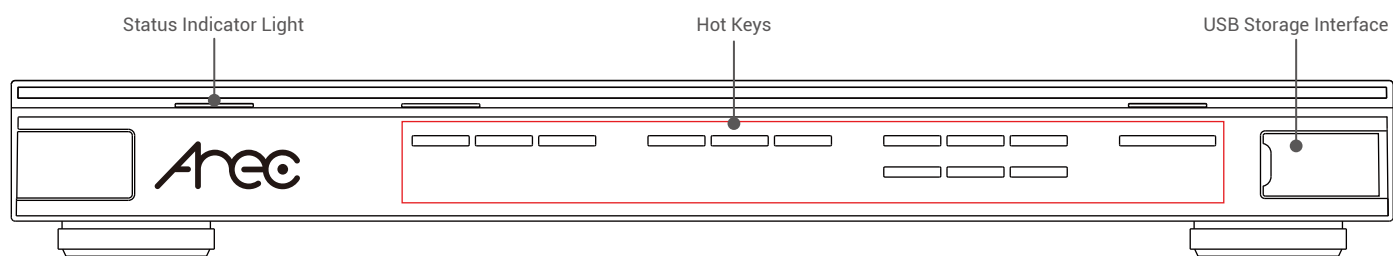
## Graphical User Interface

KS-710 comes with a fully graphical user interface utilizing information visualization in order to minimize the learning curve required. A remote control allows for easy operation of KS-710's comprehensive capabilities including screen split, lecture recording and live streaming etc.

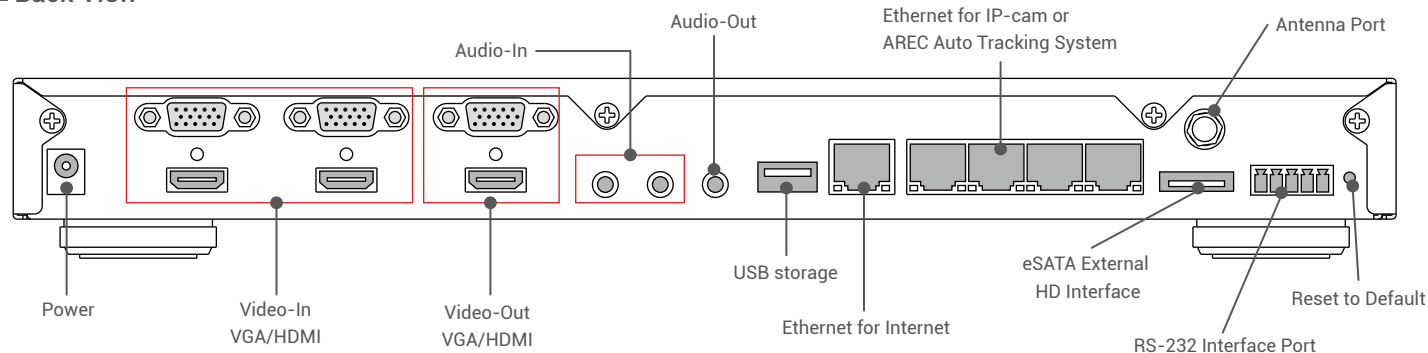


## Product Interface

### ■ Front View

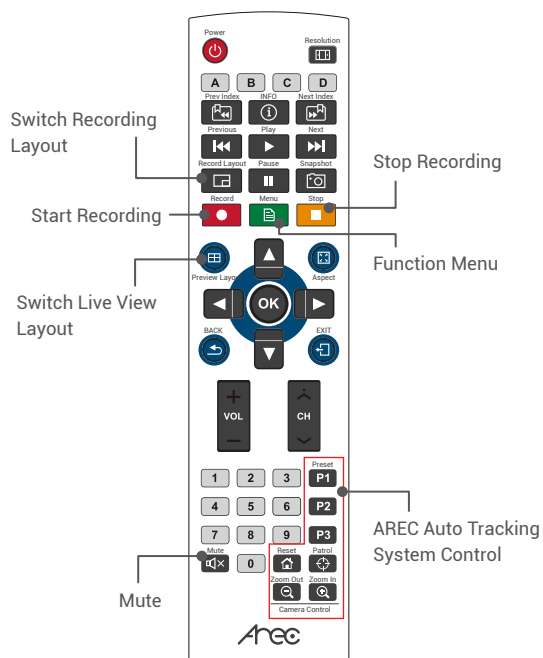


### ■ Back View



## Remote Control Instruction

## Digital Online Director Instruction



## Specifications

Model Name	AREC KS-710 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 4 channels synchronized recording
	HDMI/VGA: 2 channels Full HD network camera: 4 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 (320 x 240 ~ 1920 x 1080)
Audio Processing	
Compression	AAC-LC
Bit Rate	80Kbps~320Kbps
Local Storage	
External Storage	USB / eSATA
Locally Stored File Format	MP4
Local Storage	1TB 2.5" SATAIII Hard Drive
Remote Storage	
FTP Backup	Video files will be backed up automatically to FTP server after end of recording
Streaming Protocols/ 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
Local Display	
Local Viewing Layout	9 layouts, 9 for user-defined
Display Layout	Full screen / picture-in-picture / picture-by-picture / multi-channel split screen
Live Broadcasting	
Campus Station to Station Live Broadcasting	Yes
External Website Broadcasting	Yes, through the Internet
Playback	
Local Video	Yes
Select by Index	Yes, browse playable content through index

Recording	
Speaker Tracking	Yes, with AREC TP-100 Auto Tracking System
Student Tracking*	Yes, with AREC Student Tracking System
Recording Modes	Mixed+ original sources mode/ mixed mode
Recording Layout	9 layouts, 9 for user-defined
Index (keyword tagging)	Automatic and manual index insertion
Auto Logo Insertion during Recording	Yes, through web-based back stage management setting
Presentation Smart Index	Yes, can be activated through AREC supplied application software
Intelligent Video Switcher	Yes, supports 3 intelligent video switcher modes
Video Information Editing	
Post Video Info Editing	Yes, through video management platform
Opening and Ending Video Adding	Yes, through web-based back stage management setting
Video Info Adding	Video info will be added on video file name automatically while file output or uploading
Operating Controls	
Remote Controller	Yes, included within the package
Video Switcher	Yes, through built-in AREC Online Director for manual controls
Video Switcher from Tablet	Yes, through free "AREC Action!" app for tablet manual controls (available on iPad)
External Control	Yes, supports RS-232 interface port
Video Management Platform	Built-in video management 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 188.2mm(W) x 46mm(H)
Weight	1.52 kg (3.3 lbs)
Language	SC / TC / English / Russian / Spanish
Accessories	Remote controller / power adapter / wireless Mic antenna / quick guide
Recommended AREC Products	
AREC Auto-Tracking System AREC Student Tracking System AREC Network Camera CI Series AREC Wireless Microphone	

\* AREC Student Tracking System is based on the 32 channel PTZ system concept



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AREC reserves the right to modify product specifications without prior notice.