AREC KS-700
Media Station

- A true all-in-one solution to offer high quality Full HD synchronized recording, storage management, video broadcasting and remote access
- Easy to install and simple to operate with compact design

Main Features

Multi-Source Synchronized Recording

KS-700 supports synchronized multi-source recording through HDMI / VGA/ RJ45 interfaces currently found on full HD network cameras, notebook PCs, digital microscopes, DVD players, wireless microphone etc.

∗Supports DVI and component video cable inputs when using appropriate DVI to HDMI or component to VGA adaptors.

Multi-Source Recording

KS-700 supports up to 4-channel synchronized recording. Users can choose multi-view recording or multi-channel recording formats accordingly. The multi-view recording requires less storage space and network bandwidth. It also can be immediate watched when streamed. The multi-channel recording provides individual but synchronizing sources for video editing and post-production, making the workflow process from shoot-to-post more flexible and efficient.

Intelligent Video Switcher / Intelligent Presentation Indexing Function

When paired with AREC Student Tracking System and Presentation Index Application, the Intelligent Video Switcher will automatically switch to the student view whenever the "press to track" button has been pressed. The intelligent video switcher will automatically switch to the presentation video view when the "next slide" button has been pressed.Moreover, when used with Presentation Index Application, KS-700 supports auto video index creation and insertion for expanded educational value and possibilities.

Easy One Button Recording

A remote controller is all the needs for the instructor or the assistant to perform lecture recording, live lecture streaming, recording layout editing, lecture playback and content streaming without the interrupting the flow of the lecture.

Built-in Online Director

KS-700 Media Station has built in online director that is used to control and monitor the cameras' field of view, camera mount precision movement, image source switch, image layout switch and audio mixer functions etc.

Graphical User Interface

KS-700 Media Station 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-700's comprehensive capabilities including screen split, image recording and streaming etc. The administrators can also access the system setting and management options through web-based backstage.
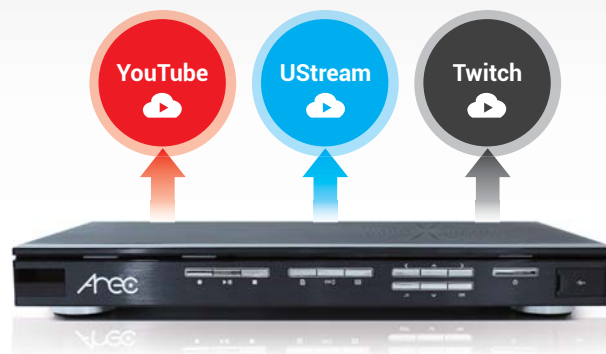
Proprietary Signal Separation Technology

AREC's proprietary Signal Separation Technology allows the flexibility of single or dual source front stage (live lecture) display while simultaneously performing multi-source and multi-screen recording.

Live Lecture Image
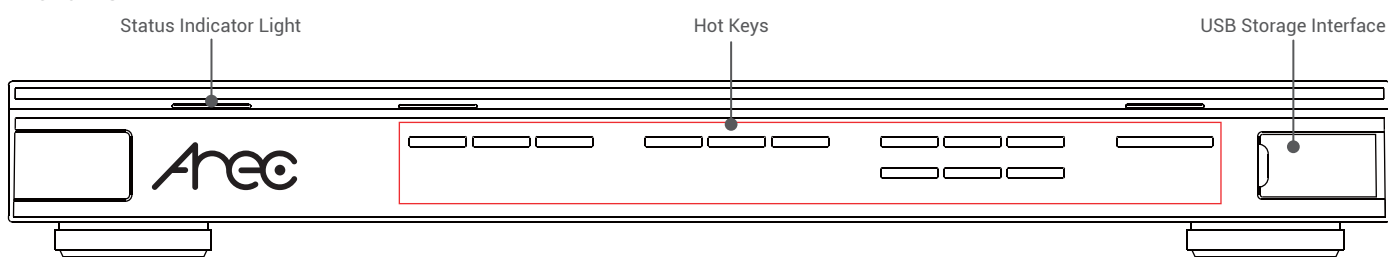
Actual Recording

Support Live Streaming on YouTube Live, Ustream and Twitch etc

AREC KS-700 supports live streaming service on various CDN platforms, such as Youtube Live, Ustream, and Twitch, which makes streaming an on-going lecture or event to your channel simple and easy.
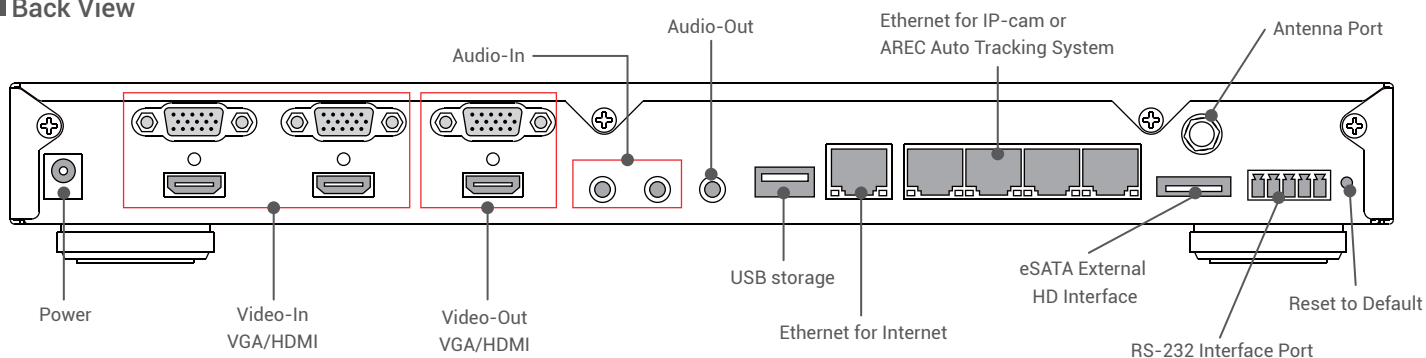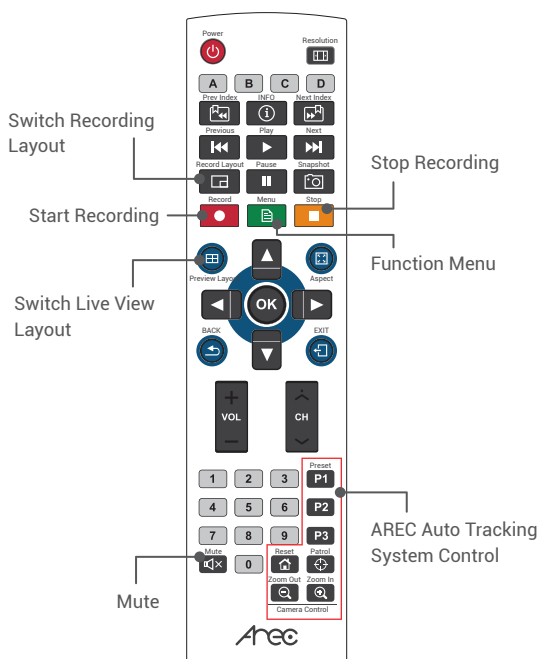
YouTube

UStream

Twitch

Product Interface

■ Front View

Status Indicator Light

Hot Keys

USB Storage Interface

■ Back View

Audio-Out

Audio-In

Ethernet for IP-cam or
AREC Auto Tracking System

Antenna Port

USB storage

eSATA External
HD Interface

Power

Video-In
VGA/HDMI

Video-Out
VGA/HDMI

Ethernet for Internet

Reset to Default

RS-232 Interface Port

Remote Control Instruction

Power

Resolution

A   B   C   D
Prev Index   INFO   Next Index

Previous   Play   Next

Record Layout   Pause   Snapshot

Record   Menu   Stop

Preview Layout   Aspect

OK

BACK   EXIT

VOL   CH

1   2   3   Preset P1

4   5   6   P2

7   8   9   P3

Mute   Reset   Patrol
0   Zoom Out   Zoom In
Camera Control

Switch Recording Layout

Start Recording

Switch Live View Layout

Stop Recording

Function Menu

AREC Auto Tracking System Control

Mute

Digital Online Director Instruction

Start Recording

Add Knowledge Point

Program View for Recording

Channel Preview

Audio Source Adjustment

Recording Layout

Manual Channel Selection

CI-200 Camera Zoom in/out Controls

Specifications

Model Name	AREC KS-700 Media Station		
Input Connection			
Video Inputs*	HDMI/ VGA/ RJ-45 (Supports AREC Full HD Network Camera)		
Max. Video-In Channels	Maximum 4 channel 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*480~1920*1080		
Audio Inputs	Line in, Mic, Wireless Mic, HDMI Audio		
Max. Audio-In Channels	3.5mm Stereo: 2 Channels Wireless Mic: 1 Channel HDMI Audio: 2 Channels		
Video Processing			
Compression	H.264/ AVC		
Frame Rate	Max. 30fps		
Bit Rate	64Kbps~24Mbps		
Resolution	Max. 1080p		
Audio Processing			
Compression	AAC-LC		
Bit Rate	32Kbps~512Kbps		
Local Storage			
External Storage	USB / eSATA, Ext4 format		
Locally Stored File Output Format	AVI/ MP4		
Remote Storage			
AREC Media Center	Yes		
Streaming/Main System Output			
Streaming Delay	1 sec.		
Streaming Format	Input : RTSP, RTP, HTTP, UDP Output : RTP, RTMP, UDP		
Main Output Mode (Max.)	HDMI / VGA : 1080p60		
Local Display			
Local Viewing Layout	6 layouts, 6 for user-defined		
Display Layout	Full screen/ picture-in-picture/ multi-channel split screen		
Recording			
Speaker Tracking	Yes, with AREC TP-100 Auto Tracking System		
Student Tracking**	Yes, with AREC Student Tracking System		
Recording Type	Multi-channel recording Multi-view recording		
Recording Layout	6 layouts, 6 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 2 intelligent video switcher modes		
	The Intelligent Video Switcher will automatically switch to student view when a student activates the "press to speak" button. When AREC Presentation Application software is used, the Intelligent Video Switcher will automatically switch to full presentation screen during the presentation starts or changes to the next slide		

Live Broadcasting	
Campus Station to Station Live Broadcasting	Yes
External Website Broadcasting	Yes, through the Internet
Playback	
Local File Playback	Yes
Select by Index	Yes, browse playable content through knowledge point index
Lecture Editing	
Post Lecture Editing	Yes, through web-based back stage
Post Index Points Editing	Yes, through web-based back stage to add and delete index points
Auto Logo Title and Ending Insertion	Yes, through web-based back stage to insert logo title and endings when exporting lecture video
Operating Controls	
Operating System	Linux
Remote Controller	Yes, included with the purchase
Manual Video Switcher	Built-in online director: through web-based control interface
External Control	Yes, supports RS-232 interface port
General Information	
Power Supply	12V/ 2A
Temperature / Humidity	0~50°C / 90%
Dimension	354mm(L) x 188.2mm(W) x 46mm(H)
Station Control	Web-based back stage
Language	SC / TC / English
Accessories	Remote controller / power adapter / wireless Mic antenna / quick guide
Recommended AREC Products	
AREC Auto-Tracking System TP-100 AREC Student Tracking System AREC Network Camera CI-200 / CI-230 AREC Wireless Microphone AM-500	

* Supports DVI and component video cable inputs when using appropriate DVI to HDMI or component to VGA adaptors

** 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.