



AREC MS-650 Media Station



- A true all-in-one device to offer high quality Full HD synchronized recording, storage, backup, live streaming and remote management
- Real-time interactive function with 2-way communication for distance learning

Main Features

Multiple Sources Capturing

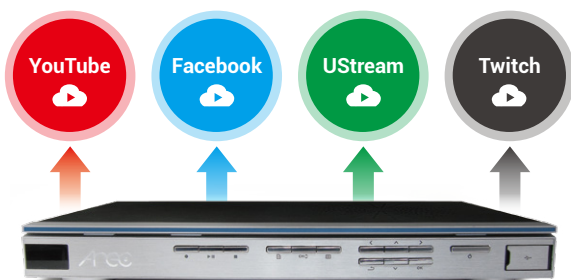
MS-650 supports synchronized capturing of multiple sources through HDMI / VGA / RJ45 interfaces, it is compatible with network cameras, laptops, PCs, digital microscopes, wireless microphones etc.

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



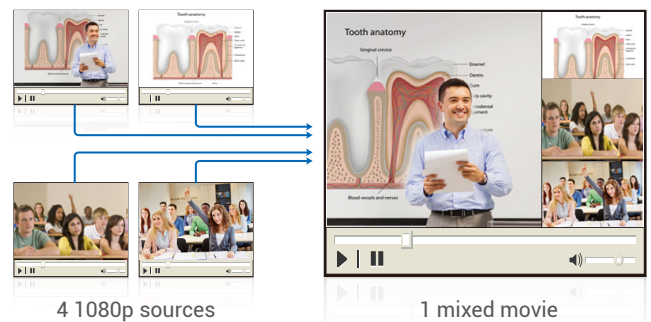
Achieve Multi-Source Live Streaming

Supporting multi-source switching and mixing, MS-650 provides multi-source live streaming to broadcast the live image and voice of an on-going lecture or event on YouTube Live, Facebook, UStream, Twitch and other live broadcasting websites, allowing any participant to attend at any location in the world.



Support Up to 4-Channel-In

AREC MS-650 can simultaneously capture, edit and record up-to 4 1080p sources and stream out 1 mixed movie to share it with a wide audience. With AREC MS-650 media stations, the entire interactive course can be recorded simultaneously with multi-camera angles.



Built-in Hard Drive Storage and Online Director

With 1TB built-in hard drive, MS-650 not only stores hundreds of hours recording videos but also enhances the overall efficiency. Besides, MS-650 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.



Achieve 2-Way Real-time and Interactive Communication

Equipped with the same AREC MS-650 media station in the 2 remote classrooms, a real-time interactive course can be achieved with 2-way communication for distance learning without adding any video conference equipment.



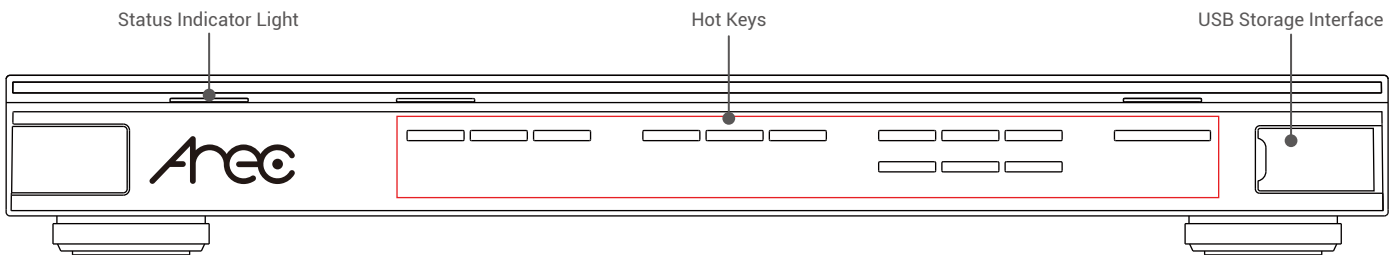
Graphical User Interface

MS-650 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 MS-650's comprehensive capabilities including screen split, lecture recording and live streaming etc.

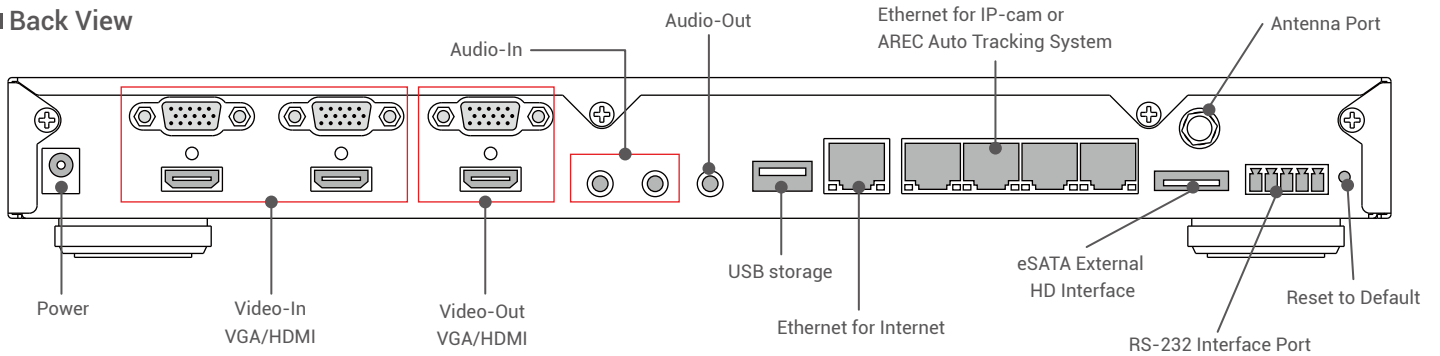


Product Interface

Front View

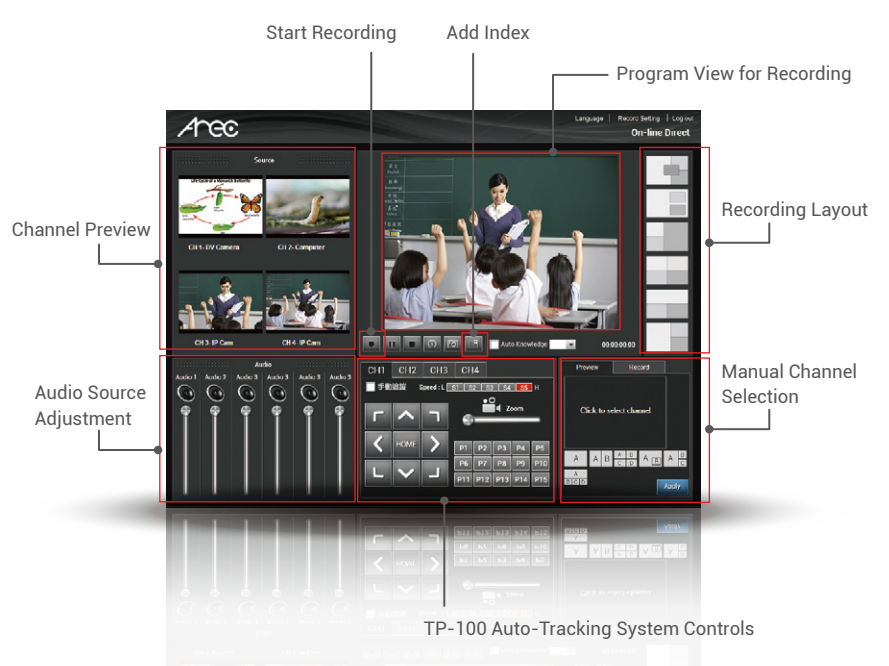
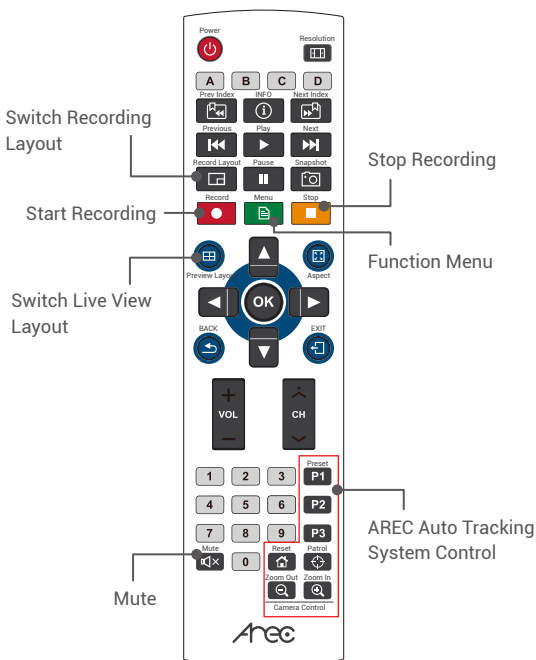


Back View



Remote Control Instruction

Digital Online Director Instruction



Specifications

Model Name	AREC MS-650 Media Station
Input Connection	
Video Inputs*	HDMI/ VGA/ RJ-45 (Supports AREC Full HD Network Camera)
Max. Video-In channels	Maximum 4 channels synchronized recording
	HDMI/VGA: up to 2 channels Full HD network camera: up to 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	64Kbps~24Mbps
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 Output Format	MP4
Local Storage	1TB 2.5" SATAIII Hard Drive
Remote Storage	
FTP Backup	Video files can be stored automatically to FTP server after end of recording.
Streaming / Main System Output	
Streaming Delay	1 sec
Streaming Format	Input : RTSP, RTP, RTMP, UDP Output : RTP, RTMP, UDP
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
Recording	
Speaker Tracking	Yes, with AREC TP-100 Auto Tracking System
Recording Modes	Mixed recording
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

Live Broadcasting	
Live Broadcast to CDN or Stream Server	Yes, support RTMP protocol
Station to Station Live Broadcasting	Yes, supporting KS-650 to KS-650, 2-way real-time and interactive communication
Playback	
Local Video Playback	Yes
Select by Index	Yes, browse playable content through 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
Auto Logo Title and Ending Insertion	Yes, through web-based back stage to insert logo title and endings when exporting recording video
Operating Controls	
Remote Controller	Yes, included within the package
Manual Video Switcher	Yes, through AREC Online Director for manual controls
External Control	Yes, supports RS-232 interface
Control Button	Yes, in front of the media station
General Information	
Operation System	Embedded Linux System
Power Supply	12V / 2A
Temperature / Humidity	0~50°C / 90%
Dimension	354mm(L) x 188.2mm(W) x 46mm(H)
Weight	1.52kg (3.3 lbs)
Language	SC / TC / English
Accessories	Remote controller / power adapter / wireless Mic antenna / quick guide
Recommended AREC Products	
AREC Auto-Tracking System TP-100 AREC Network Camera CI Series AREC Wireless Microphone AM-500	

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



AREC Inc. | www.arec.com | sales@arec.com
 Headquarters: Taipei, Taiwan Address: 3F, No. 367, Sec.2, Wenhua RD., Banqiao Dist., New Taipei City 220, Taiwan (R.O.C)
 TEL: +886-2-8259-5060



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

Exclusive Representative in Europe, Africa and CIS countries
 ADENA Limited | www.a-dena.com
 E-MAIL: yakov@a-dena.com
 TEL: +886 2 2577 7667