



DS-9CU

Speaker Tracking Station



- Seamlessly integrates with multiple world-renowned conference microphone systems to automatically switch close-up views based on the speaker.
- Supports up to 9 cameras operating simultaneously, with automatic layout switching to accommodate different numbers of speakers.
- Supports text and layer editing to add names, organizations, logos and different backgrounds.
- Supports 3 video outputs, capable of displaying combined views, single close-up views, and multi-split operational views.
- Supports 4K UHD 3840 x 2160 Resolutions and 1 PGM 4K Streaming.

4K NDI|HX

SRT
READY

Main Features

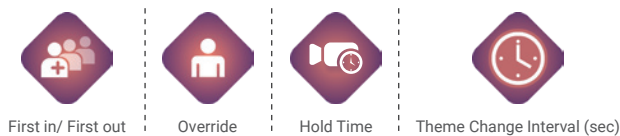
Speaker Tracking, Auto-Switching, and Real-Time Overlay Addition

AREC DS-9CU Speaker Tracking Station seamlessly integrates with recommended PTZ cameras and conference microphone systems to automatically capture and switch to close-up views of the person speaking. It also adds a customized overlay in real time, ensuring that all participants can clearly view the speaker's image and key details on the main display. When the speaker stops speaking by pressing the cancel button, DS-9CU can switch to the default setting automatically.



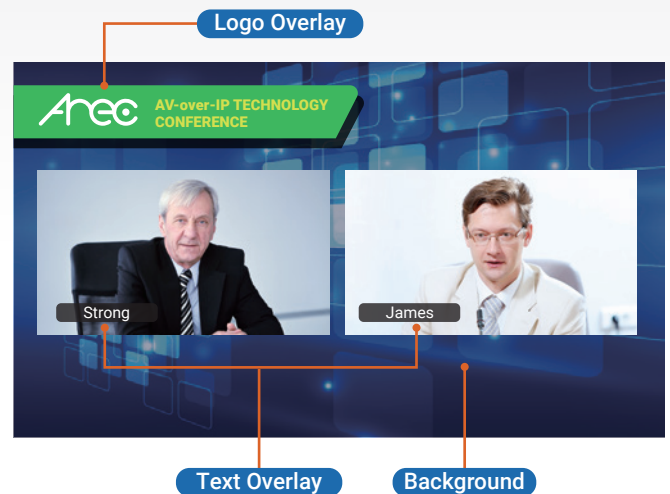
Supports up to 9 Cameras with Automatic Layout Switching

To meet diverse conferencing needs, AREC DS-9CU supports up to 9 cameras operating simultaneously. It can automatically switch to the layout based on the number of speakers, ensuring that all speakers are clearly displayed on the main screen for participants. Additionally, DS-9CU offers speaker auto-control setting, including override and FIFO modes. The new Theme Change Interval function also enhances the viewing experience.



Available for Customized Overlays and Background

AREC DS-9CU allows users to customize conference visuals by adding the logo, background images and text overlay for individual speakers. This enhances clarity and professionalism in conference streaming and video recording.



Versatile Video Input Interfaces: HDMI / USB / RJ-45, up to 4K

AREC DS-9CU Speaker Tracking Station offers diverse connectivity options: HDMI, USB jack and RJ-45 interfaces. It supports 4CH 4K UHD or up to 9CH Full HD video sources. DS-9CU is compatible with network-based H.264 RTMP/RTP/RTSP/SRT, and NDI|HX video sources.



4K

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

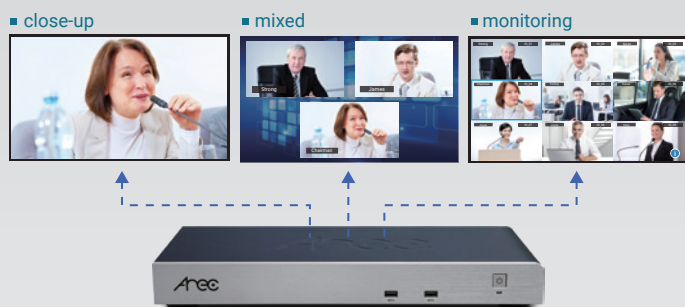
USB

NDI|HX

SRT
READY

Multiple Outputs for Greater Display Flexibility

Designed to meet the practical demands of the field, AREC DS-9CU offers three different video outputs: mixed, close-up, and monitoring with a graphical user interface (GUI). This versatility provides greater flexibility for local display and on-site operations.



Available APIs for Easy Integration

AREC DS-9CU can be integrated with the compatible third-party conference microphone system and existing audio visual equipment in the meeting room via API command. AREC Speaker Tracking System is simple to set-up, making conference and meeting recording more productive and smart.



System Diagram

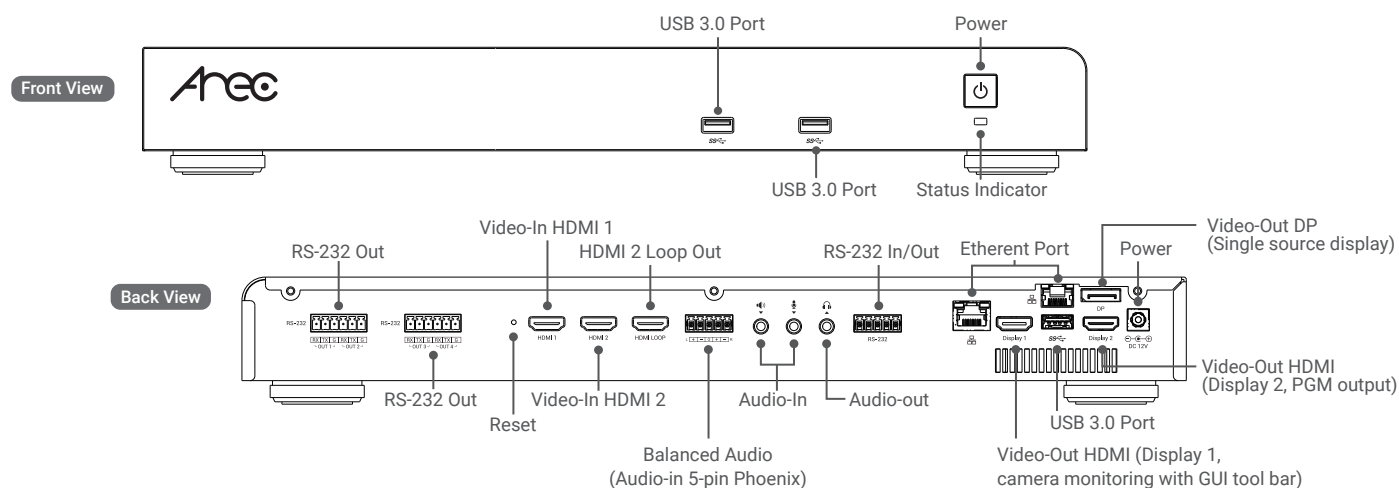
Suggested Equipment

- PTZ Conference Camera x 9 (max.)
- The Third-Party Conference Microphone System *
- AREC DS-9CU Speaker Tracking Station x1
- AREC LS Series Media Station x1 (optional purchase)



* The third party microphone system should support related features.

Product Interface



Specifications

AREC DS-9CU Speaker Tracking Station



Video Inputs	- Max. 9 channels video sources - HDMI/ USB(UVC) : up to 2 channels - Full HD network camera / stream: up to 9 channels
Resolution Range (Inputs)	- HDMI 1 max.: 2160p30 - HDMI 2 max.: 2160p60 - RTMP/RTMPS/RTP/RTSP/NDIHX/SRT max: 1080p - USB(UVC) max.: 2160p30 The maximum processing resolution is 1080p30, when 9 video inputs stream simultaneously.
Video Outputs	1 x HDMI for loop out (max. 4K UHD @60Hz, HDMI 2 loop through) 1 x HDMI (Display 1, max. 1080p, quad or 9-split layout, supports camera monitoring with GUI tool bar) 1 x DP (Max. 4K UHD @30Hz, supports single source display) 1 x HDMI (Display 2, max. 4K UHD @30Hz, PGM output) 1x RJ-45¹ (digital video over Ethernet) Note 1: Supports network protocol: H.264 RTMP/ RTMPS/RTP/ RTSP, NDIHX, SRT(push)**. Up to 1CH 2160p streaming at 30 fps
Overlay	- Text: user defined, showing on each video channel with selected locations. - Images: user-defined image on the mixed video.
Background Images	Able to save user-defined background images
Layout Auto Switching	- Automatically switching depends on person speaking - Manually control by remote web interface on mobile devices
Speaker Action Settings	- First In/ First Out and Override modes - Supports camera hold time setting - Supports theme change interval setting (sec)
Audio I/O	1 x 3.5mm Stereo Mic in 1 x 3.5mm Stereo Line in 1 x Balanced audio-in with a 5-pin Phoenix connector 1 x 3.5mm Stereo Line out
Operation Control	
Camera Control	Yes, supports 5 x RS-232 output ports or via LAN port VISCA/ PELCO-D/ PELCO-P/ ONVIF profile S/ VISCA over IP
Mouse Device	Through USB interface connection
External Control	Yes, supports 1 x RS-232 input port and WAN port with TCP API commands for system integration
Output Switch	Supports automatic mixed video output switching according to signals received from integrated conference microphone systems
Recording Layout Switch	Supports automatic recording theme switching according to signals received from integrated conference microphone systems on AREC Media Stations
Admin Management	Built-in web-based administration backstage
General Information	
Operation System	Embedded Linux system
Power Supply	12V/ 3A
Temperature/ Humidity	0~40°C / 90%
Dimension	400mm(L) x 168mm(W) x 54mm(H)
Weight	2200g

Optional Products



AREC CI-22H PTZ Conference Camera

- 20x optical zoom, manual/ auto
- Output resolution: up to 1920x1080@60fps
- Video output: HDMI/ USB 3.0/ IP(RJ-45)



AREC LS Series Media Station

- Diverse optional models. 2-4 channels video inputs depending on the model
- Multiple recording layouts for user-defined, including full screen/ picture-in-picture/ picture-by-picture/ multi-channel split screen
- Supports user-defined background and overlay images



Compatibility List of Third-Party Conference Microphone System

Brand	Model
Audio-Technica	· ATND1061 Beamforming Ceiling Array Microphone
	· ATUC-50CU Digital Wired Conference System
	· ATUC-IRCU Hybrid Infrared Conference System
BOSCH	· CCS 1000 D Digital Discussion System
	· DCN-CCU2 Central Control Unit
	· DICIENTIS Wireless Conference System
BXB	· FCS-6350 Conference Main Control Unit
HAYACO	· WMC-240G Digital Wireless Main Controller
SENNHEISER	· ADN CU1 Digital Discussion Central
SHOW	· DCS-100M Digital Conference System
SHURE	· DDS 5900 Digital Discussion System
	· MXA Array Microphones - MXA920 / MXA910 / MXA710 / MXA310
	· Shure MXW Wireless Microphone Systems
	· Shure MXCW Digital Conference Systems
TELEVIC	· D-Cerno AE & Conferno (Plixus AE-R/MME/Confidea WAP G4)
	· D-Cerno CU-R (TCCP API)
	· Plixus Core (CRP 6.x, CoCon API for Plixus AE-R/MME)



AREC Inc. | sales@arec.com

Headquarters: Taipei, Taiwan Address: 2F, 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.