



DS-4CU

Speaker Tracking Station



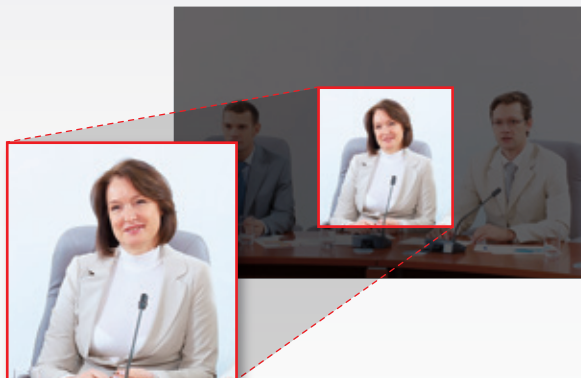
- Automatic Speaker-View Switch. Adds a Customized Graphic Automatically
- Taking the Meeting Experience and Efficiency to New Heights
- Support Auto-Switching and Conferencing Recording with AREC Media Station
- Perfect for Conference Rooms, Parliaments and City Halls

Coming with compatible Conference Microphone System and AREC PTZ Cameras, AREC DS-4CU Speaker Tracking Station enables all of the meeting participants can see the close-up view of the active speaker and a customized graphic together on the local screen clearly. Working with AREC Media Station, all the meeting and discussing content can be recorded completely with auto tracking and auto switching features. The architecture of AREC Speaker Tracking System is simple and can be installed quickly, providing more effective meetings and enhancing user experience.

Main Features

Tracking and Focus on the Active Speaker

Coming with recommended Conference Microphone System and PTZ Cameras, AREC DS-4CU Speaker Tracking Station enables PTZ camera to track and focus the active speaker automatically and precisely when he/her presses the PTT (push-to-talk) button.



Available for Customized Overlays and Output Layouts

AREC DS-4CU allows users to create customized output layouts (e.g. full screen and picture-by-picture) and add pre-made overlay graphics (titles) for individual speakers depending on the needs. With these features, all participants can see the close-up view and exclusive overlay on the local display clearly.



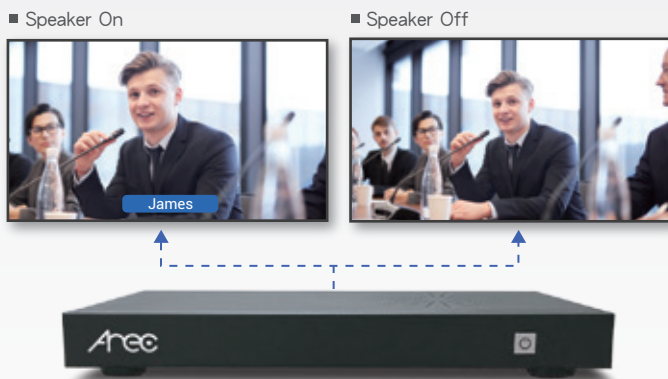
Automatic Camera Switching and Conferencing Recording with AREC Media Station

Coming with AREC LS Series Media Station, AREC DS-4CU not only outputs speaker's sources, but it also switches the recording layout through the command for AREC Media Station control. When the conversation has been called off, AREC Media Station will go back to the original recording layout automatically.



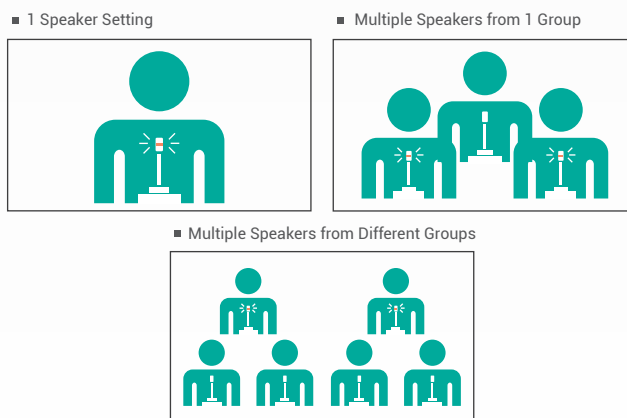
Auto Switch and Auto Adding a Customized Overlay

DS-4CU supports camera switching, adding a customized overlay, and speaker's output automatically when active speaker's microphone button has been pressed. When the speaker finishes talking by pressing cancel button, DS-4CU can switch to the default setting automatically.



Auto Switch to the Designed Conference View as Multi-Participants Speak*

AREC DS-4CU Speaker Tracking Station can switch camera to the designated conference view when multiple participants press the PTT buttons and discuss at the same time. It supports multiple settings for flexible use.



Available APIs for Easy Integration

AREC DS-4CU 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.



* The third party conference microphone system should support related features.

Versatile Automatic Switching

AREC DS-4CU Station by pressing microphone button allows:

- Automatic camera selection
- Automatic layout switching
- Automatic display of predefined themes (combinations of backgrounds, layouts, and overlays)
- Automatic recording themes switching (working with AREC Media Station)

Local Display Switching (Available for Customization)



Presentation Slides



Pressing Microphone Button



Customized Theme Switching

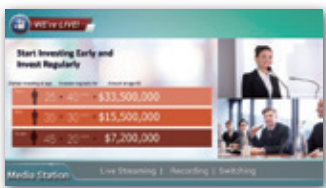


Cancelling Microphone Button



Presentation Slides

Recording Source and Layout Switching (Available for Customization)



Recording Theme



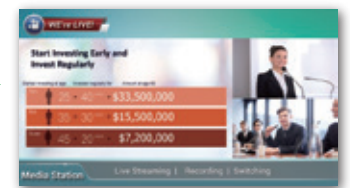
Pressing Microphone Button



Customized Theme Switching



Cancelling Microphone Button



Recording Theme

System Diagram

Suggested Equipment

- PTZ Conference Camera x2 (Max. x4)
- The Third-Party Conference Microphone System *
- AREC DS-4CU Speaker Tracking Station x1
- AREC LS Series Media Station x1 (optional purchase)



AREC Media Station

Live Streaming and Recording Video
Via TCP API, DS-4CU will send control commands to AREC Media Station:

1. Automatic recording layout and theme switch when speaker presses the PPT (push-to-talk) button.
2. It goes back to the original recording layout, when the conversation has been called off.

AREC DS-4CU Speaker Tracking Station:

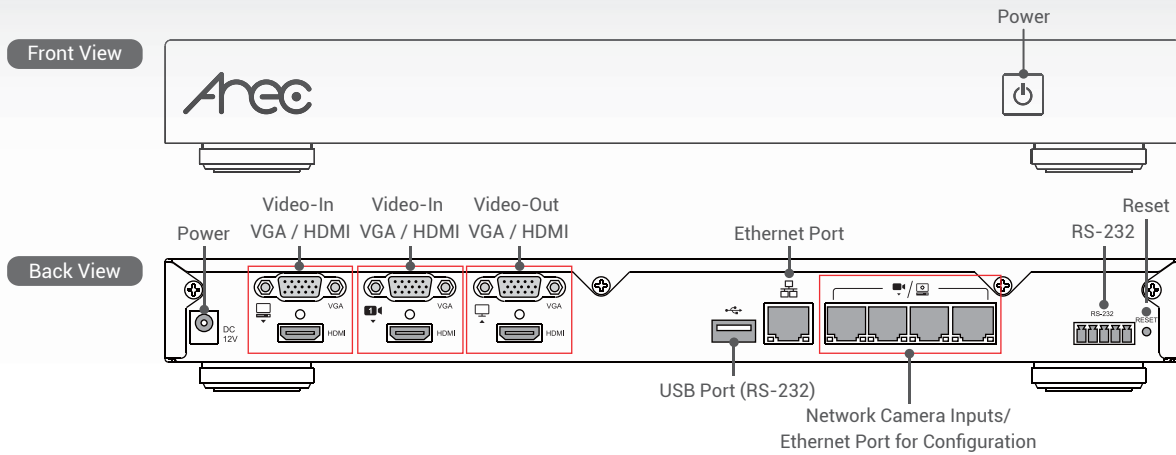
1. AREC DS-4CU enables PTZ Camera to shift and focus on the speaker automatically when speaker presses the PPT (push-to-talk) button.
2. DS-4CU supports users to easily add and select the output layouts and pre-made overlay images depending on your needs. (The pre-made overlay images can be uploaded.)
3. The PTZ Camera goes back to full view when speaker finishes talking by pressing cancel button.



Camera shift and focus/
speaker-view switch/
adds a custom graphic automatically/
recording layout and theme switch

* The third party microphone system should support related features.

Product Interface



Specifications

AREC DS-4CU Speaker Tracking Station	
Video Inputs	Max. 4 channels HDMI / VGA: up to 2 channels Full HD network camera: up to 4 channels
Resolution Range (Inputs)	HDMI : 480i~1080p60 VGA : 480i~1080p60 RTP/ RTMP/ RTSP, Max.: 1080p
Video Outputs	1x HDMI display port : 1080p60 1x VGA display port : 1080p60
Overlay Images	Multiple for user-defined
Video Output Layout	Multiple layouts for pre-defined, including full screen / picture-in-picture / picture-by picture / multi-channel split screen
Operation Control	
Camera Control	VISCA/ PELCO-D/ PELCO-P/ ONVIF profile S/ VISCA over IP
Mouse Device	Through USB interface connection
External Control	Yes, supports RS-232 port and TCP API command for system integration
Output Switch	Supports automatic output switching according to the setting of push-to-talk buttons with compatible conference microphone system
Recording Layout Switch	Supports automatic recoding theme switching according to the setting of push-to-talk buttons with compatible conference microphone system and AREC Media Station
Admin Management	Built-in web-based admin backstage. Sending control command through TCP API
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	1324 g

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
BOSCH	CCS 1000 D Digital Discussion System DCN-CCU2 Central Control Unit
HAYACO	Wireless WMS240-D
Sennheiser	ADN CU1 Digital Discussion Central
SHOW	DCS 100M Digital Conference System
SHURE	DDS 5900 Digital Discussion System
Audio-Technica	ATUC-50CU Digital Discussion System
Televic	Plixus AE-R Audio Engine



AREC Inc. | sales@arec.com

Exclusive Representative in Europe, Africa, Latin America and CIS Countries

ADENA Limited | www.a-dena.com

E-MAIL: info@a-dena.com

TEL: +886-2-8712-1882

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