HD8141

Audio/Video Integrated Conference Terminal

Description

This product adopts a compact all-in-one design, with powerful audio and video functions; it utilizes a variety of advanced AI intelligent algorithms, and integrates multiple AI intelligent framing technology such as face detection, sound source localization, and voice tracking, which can automatically adjust the screen size according to the changes in the number and location of participants to present the best shot; it detects the speaker's position in real time and locks the target for close-ups, eliminating the need to manually adjust camera operations, providing a simpler, more focused meeting experience; it features plug-and-play USB for easy connection to personal devices for video conferencing at any time, ideal for small and medium-sized conference rooms.

Features

- All-in-one integration: It integrates the camera, microphones, and speakers in one.
- Voice tracking: It has built-in 6 array microphones to enable voice tracking function and track each speaker in real time, allowing remote participants to break the limitation of distance and get an immersive and face-to-face experience.
- Built-in speakers: It has built-in high-quality dual speakers to ensure that every attendee can clearly hear the distant sound, providing a unique remote experience.
- Audio processing: It adopts high-fidelity 48K audio sampling rate for audio processing algorithm and lossless audio transmission technology, and supports AEC, AGC, ANS processing for high quality 6m full-duplex calls.
- Smart framing: It has built-in face detection algorithm to automatically detect participants and provide ideal framing.
- Ultra HD: It adopts 8-megapixel high-quality CMOS image sensor to capture 4K Ultra HD images, delivering clear and lifelike Ultra HD videos, vividly showing the expressions and movements of characters, and providing superior image quality in both clarity and resolution.
- Aberration-free lens with wide viewing angle: It features 120° wide viewing angle and aberration-free

lens, no need to adjust the camera position to get a panoramic view of all participants, easily covering every corner of the conference room.
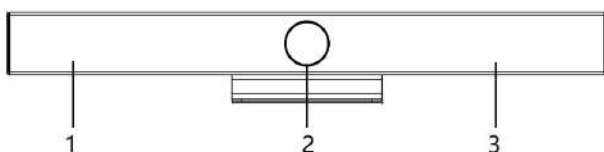
- Low noise and high signal-to-noise ratio: Low noise CMOS effectively guarantees a very high signal-to-noise ratio in the picture. It employs advanced 2D and 3D noise reduction technology to further reduce noise while ensuring image clarity.
- Compatibility: Compatible with Windows 7, Windows 10, Mac OS 10.10 or higher, applicable to mainstream cloud and video platforms, including but not limited to the following: Microsoft Teams, Skype for Business, Zoom Room and Zoom Client, Tencent Meeting, DingTalk, Huawei Cloud WeLink and more.
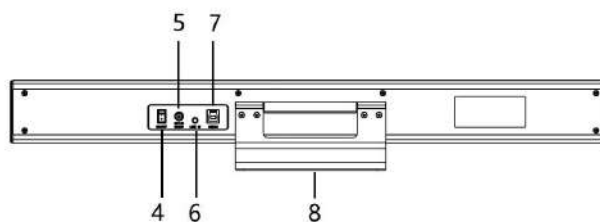
Specifications

Model		HD8141
Module	Function	Description
Camera	Image Sensor	1/2.8-inch,8-megapixel high-quality CMOS image sensor
	Camera Angle	120° (D)/107.2° (H)/74.1° (V)
	Zoom	5x digital zoom
	Video Output	Output up to 4K images
	AI Intelligent Framing	Face detection & source localization & voice tracking
	Video Resolution	4K/30 backward compatible
	PTZ	EPTZ
	Digital Noise Reduction	2D&3D
	Backlight Compensation	Support
	S/N Ratio	≥55dB
Audio	Microphone Type	6 array microphones
	Pick-up Distance	6m
	Audio Processing	AEC & AGC & ANS & Source Localization
	Speaker	2*7W
Controller	Remote Controller	Infrared remote controller
Physical Interface	USB Port	1*USB3.0 (Type-B), compatible with USB2.0
	Audio Interface	1*3.5mm linear input
	Power Connector	HEC3800 power socket (DC12V)
	Wall Mount Bracket	Standard wall mount bracket

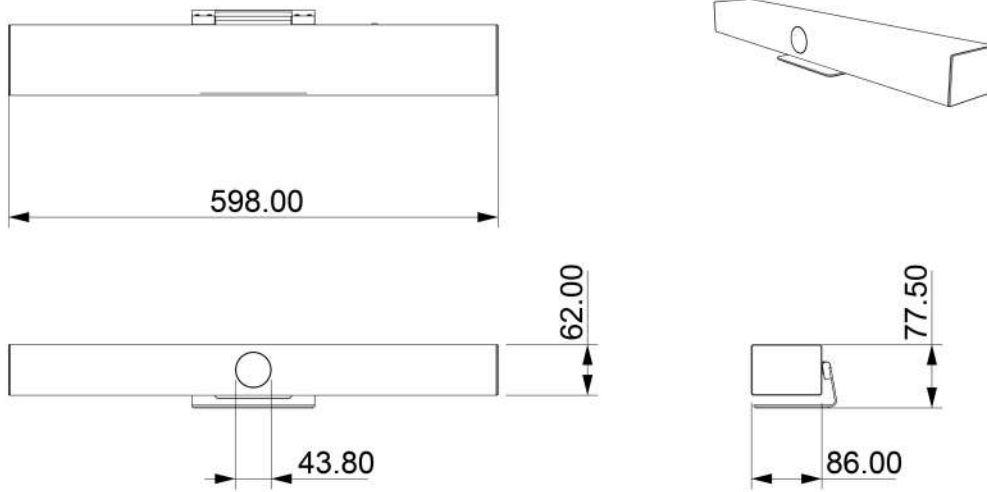## Front / Rear Panel

Product Interface

1. Speaker   2. Lens

3. Built-in Array Microphones   6. Line In Port (Reserved)
4. Power Switch   7. USB3.0 Port
5. Power Connector   8. Stand

Product Dimensions

598.00

62.00

43.80

77.50

86.00

Unit: mm

Remote Controller

Standby Switch

VOL-

Zoom Out

HOME Button

Preset Setting
(Preset Setting Button
+ Number Key to set the
corresponding preset)

Answer

Smart Framing &
Voice Tracking Switch

VOL+

Zoom In

UP/DOWN/LEFT/RIGHT

MENU

MENU

Hang Up

0-9 Number Keys
(Short press to recall
the corresponding preset)