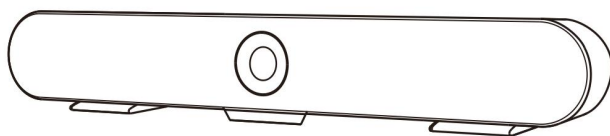


VIDEO SOUNDBAR

User Manual V1.0



SYMBOLS INSTRUCTION

Symbol	Instructions
 Explanation	To represent the supplement and explanation of the text.
 Note	To indicate that the user is alerted to some important operation or to prevent the potential danger of injury and property damage.
 Warning	To indicate a potential risk that, if not avoided, may result in injury accidents, equipment damage or business interruption.
 Dangerous	To indicate a high potential risk that, if not avoided, may result in significant risk of death or injury.
	The symbol indicates polarity of d.c. power connector.
	Direct Current.

SAFETY NOTES

The following important notes must be followed carefully to run the camera and respective accessories in total safety. The camera and relative accessories are called video system in this section.

- Before installing the camera, please read this manual carefully. Please follow installation instructions indicated in this manual during installation. Please keep this manual for future use.
- Please put the power cable, video cable and control cable in safe place.

■ Do not operate the camera beyond the specified temperature and humidity. Working temperature range of the camera is between 0°C ~ +25°C. The ambient humidity range is 10%RH ~ 90%RH.

■ During transporting, avoid violent shake or force to the camera.

■

■ This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference

(2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

FCC RF Radiation Exposure Statement Caution: To maintain compliance with the FCC's RF exposure guidelines, place the product at least 20cm from nearby persons.

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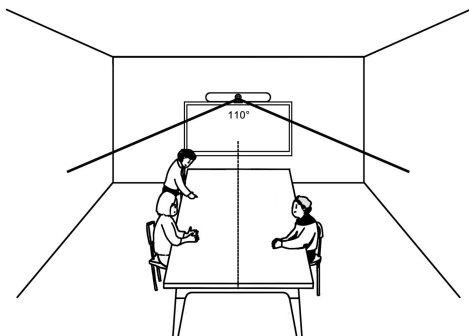
1. ABOUT THE PRODUCT	1
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1. ABOUT THE PRODUCT

1.1.Characteristics & Functions

- Designed with built-in all-in-one camera, microphone, and speaker;
- With Speaker Tracking Function and Auto Framing Tracking Function;
- 110° ultra-wide FOV with no distortion, full coverage of the whole meeting room;
- 4K Ultra HD video @30FPS, brings super clear video experience;
- EPTZ realizes auto framing of all participants;
- Effective, accurate speaker detection and tracking function, fast and accurately give close-up view of the speaker;
- Built-in high-sensitive omnidirectional microphone, up to 5 meters of sound pickup distance, supports ANS, AEC, AGC;
- Supports USB 3.0, MJPEG/H.264/H.265;
- Supports UVC/UAC protocol;
- Configure mute and mute prompt functions;
- Exquisite remote control settings, easy to hold and control.

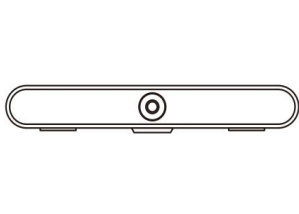
1.2.Application Scenarios



2. COMPONENTS

2.1. Accessories

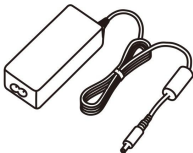
When you open the box, check all accessories according to the packing list.



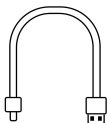
Camera X1



Remote Control X1



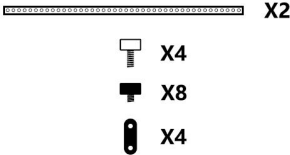
AC Adapter X1



USB Cable X 1



Bracket X 2

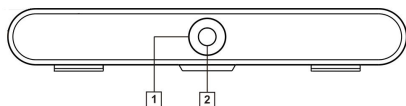


X2



TV Mount Bar with
Screws X1

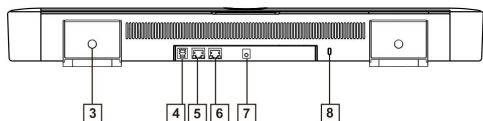
2.2.Main Parts & Interfaces



Front View



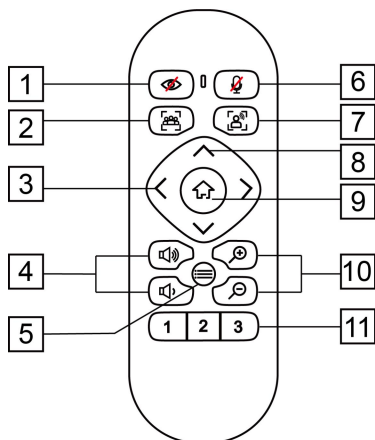
Side View



Bottom View

No.	Interface/ Component	No.	Interface/ Component
1	LED Light	5	Ethernet
2	Camera Lens	6	EXT(connect with external microphone)
3	Bracket	7	Power(DC12V)
4	USB Type B	8	Reset

2.3.Remote & Control (Standard)



No	Name	Function
1	Privacy	Reserved
2	Auto Framing	Turn on / Turn off Auto framing
3	Pan	➤ In menu mode, set menu options ➤ In non-menu mode, pan right / left
4	Volume	Increase / decrease volume
5	Menu	Open/close the OSD menu
6	Mute	Turn on/off the microphone sound
7	Speaker tracking	Turn on/off the speaker tracking
8	Tilt	➤ In menu mode, set menu options ➤ In non-menu mode, tilt up / down
9	HOME	➤ In menu mode, confirm to Enter ➤ In non-menu mode, press to move camera to Home position ➤ Long press Home button to switch between USB and Bluetooth audio
10	Zoom	Zoom in/out
11	Number	➤ Short press to CALL saved preset ➤ Long press(2 seconds) to set preset

2.4.Common Function

2.4.1. EPTZ

The camera supports EPTZ control, and 4x digital zoom. The EPTZ can be controlled via direction keys to adjust the image position. And the current image size can be adjusted via zoom button.



Note: The Pan/ Tile button can not work under the max FOV

2.4.2. Auto Framing

This product has auto framing function. Press the corresponding key and the camera screen can be intelligently scaled according to the number of people in the meeting scene, and centralize all participants. Press again to turn off the automatic box.



Note: The auto framing state will be ended by press PTZ buttons or Auto Framing button.

2.4.3. Speaker tracking

The all-in-one supports Speaker Tracking function. Press The Speaker Tracking button to turn on/ off the Speaker Tracking function. The all-in-one will give the person who is speaking a close-up view under the Speaker Tracking ON state.

2.4.4. Set/Call the preset

Long press (2 seconds) the number buttons to set preset;

Short press the number buttons to CALL saved preset, and the camera will quickly go to saved preset position.

2.4.5. Menu Function

After entering the menu, select the menu options via direction keys.

Press the HOME key to enter the options, adjust the options by using the pan button.

Press the menu key to return to previous menu until the exit menu.

2.4.6. Built-in USB to network adapter

The camera has a built-in USB network adapter. After connecting the network cable to the camera, the computer connected with the camera through the USB cable can access the network without

other network cables. Only one USB cable can realize the synchronous transmission of audio, video and network, free of multiple wiring troubles.

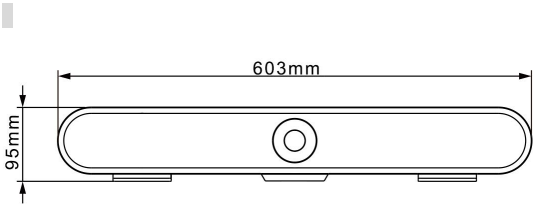
2.4.7. Indicator

Action	Indicator Status
Power on, video disabled	Green
Power on, video enabled	Blue
Mic Mute	Red
Adjust The Volume	Green, the range of lights varies with the volume

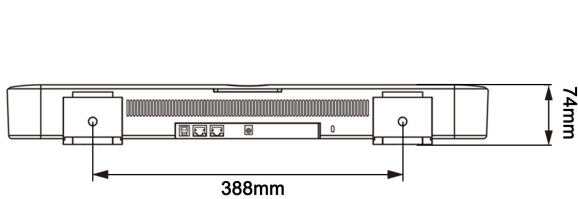
3. INSTALLATION

3.1.Dimension Figure

Front



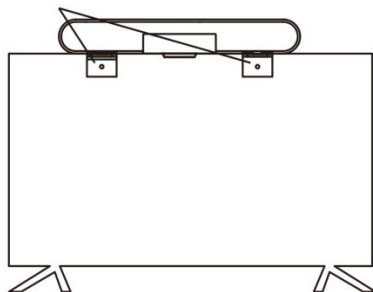
Bottom



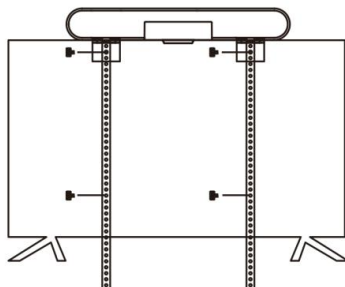
3.2.Installation

3.2.1. Bracket (Standard)

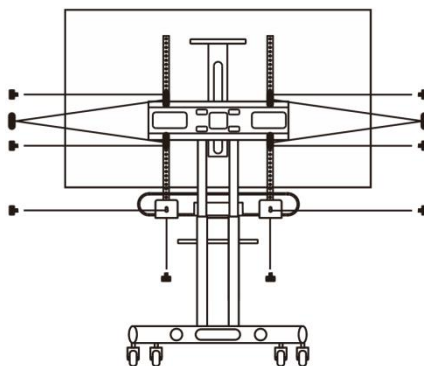
Mount



- If your TV doesn't have mounting bracket, please fix the mount bars with screw holes on the back of your TV.

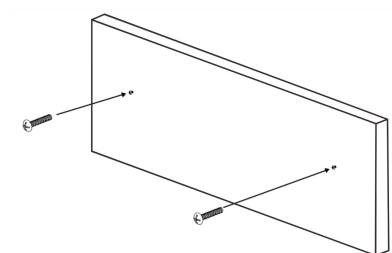


- If your TV has a mounting bracket, please fix the mount bars with screw holes on the mounting bracket.

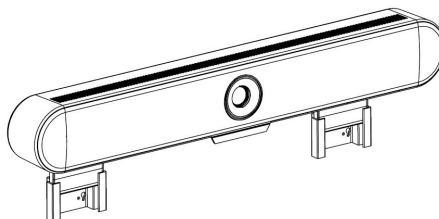


3.2.2. Wall-mount

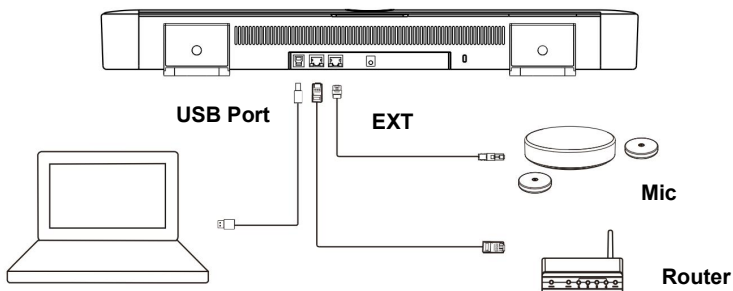
- Referring to the aperture and position of the mounting hole, drill the corresponding hole at the mounting place and fix the bracket in the mounting place with screws.



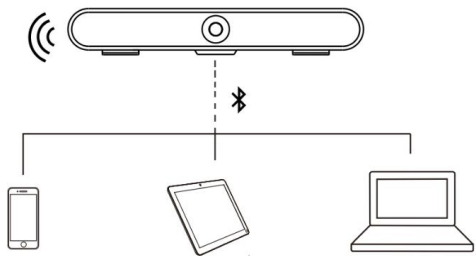
- Insert the camera base into the groove of the bracket. To ensure the safety of the camera, make sure the camera is firmly attached to the bracket before you let it go.
- The installation height does not exceed 2m.



3.3.Connection



Bluetooth connection:



4. MENU

4.1. Menu Structure

< Image >	AUTO FRAME	ON, OFF
	BRIGHTNESS	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14
	CONTRAST	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14
	HUE	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14
	SATURATION	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14
	SHARPNESS	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
	GAMMA	0, 1, 2, 3, 4
	GAIN	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14
	ANTI FLICKER	50Hz, 60Hz
	BACKLIGHT	ON, OFF
	COMP	

< SYSTEM >	LANGUAGE	ENGLISH, CHINESE
	MIRROR	ON, OFF
	FLIP	ON, OFF
	DZOOMLIMIT	2X, 3X, 4X
	EXPERT MODE	ON, OFF
	DETECTION	HIGH, MIDDLE, LOW
	SENS.	
	FRAMING MOVE	0, 1, 2, 3, 4, 5, 6, 7, 8
	SENS	
	TARGETLOST	PRESET1, STAY
	ACT	
SPEAKER	ON, OFF	
TRACK		

< DEVICE INFO >	IR ADDRESS	1
	FIRM VERSION	1.0.23
	AUDIO VERSION	119

< DEFAULTS >	DEFAULTS	CONFIRM
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5. TECHNICAL DATA

Camera	
Image Sensor	1/2.8" 4K CMOS, 8.46MP
IRIS	F2.2
Focal Lens	f=2.1mm
Digital Zoom	4X
Field of View	Horizontal: 110°, Vertical: 74°
EPTZ	Support
Min Focus Distance	50cm
Min Illumination	50Lux
Max Frame Rate	4K@30fps
Exposure	Auto, Manual
White Balance	Auto, Manual
Digital Noise Reduction	2D, 3D
Image Flip	Flip, Mirror
Audio	
Built-in Mic	4MIC array
Pick-up Distance	5meter
Audio Process	AEC, ANC, AGC
Bluetooth	Support
Speaker	Support
Interface	
USB	1 channel USB3.0, Type B; support UVC 1.0 2. support MJPEG/H.264/H.265 MJPEG: 4K@30fps, 1920x1080@30/25fps, 1280x720@30/25fps H.264: 4K@20fps, 1920x1080@30/25fps, 1280x720@30/25fps H.265: 4K@20fps, 1920x1080@30/25fps, 1280x720@30/25fps 3. support UAC
Ethernet	1 channel RJ-45, 10/100/1000M
Other	

Intelligent Function	Auto Framing , Speaker Tracking, Bluetooth
Mic-Extension	Support
Remote-Control	Support
General	
Power(AC Adaptor)	Brand:  Model: CGSW30A-120-2500II Input: 100-240V~, 50/60Hz 0.8A Output: 12V  2.5A, 30W
Consumption	< 8W
Working Temperature	0°C ~ + 40°C
Storage Temperature	-20°C ~ +60°C
Working Humidity	10%RH ~ 90%RH
Storage Humidity	10%RH ~ 95%RH
Dimension (L×W×H)	602mm×74mm×95mm
Net Weight	1.66kg
Color	Black

This user manual is only for reference, it is subject to change; please ask for the latest version from your supplier.