Panoramic 360-degree Video Conference Camera with Speakerphone
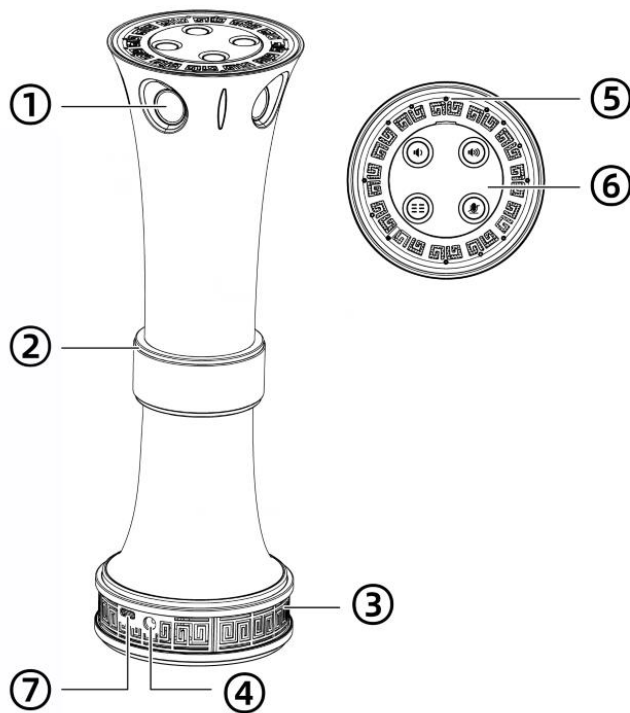
Quick Start Guide

V00

202203

① HD Optics lens (4 x lens)

② Work status indicator LED

③ Speaker

④ 12v DC JEITA Socket

⑤ 8X Omni-directional Microphone Array for Voice Tracking,

  2X Omni-directional Microphone Array works in 3M range

⑥ Touch Panel Buttons for audio and video control

⑦ USB Type-c Interface
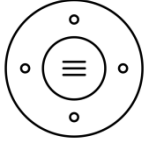
Touch Panel function

TouchButtons Functions	LED Indicator status		Function of touch panel While access to OSD Menu
Microphone Mute	*Blue*	*Microphone is working*	*move cursor down*
	Red	*Mute microphone*	
OSD Menu	*In OSD Menu, Blue LEDIndicatorblinkingwhile Pressing it*		*Enter/Exit OSD Menu*
VolumeDown	*White LED lights go offsequentially from right to left*		*Return previous Menu*
VolumeUp	*White LED lights light up sequentially from left to right*		*Enter next level Menu*

Remote control function
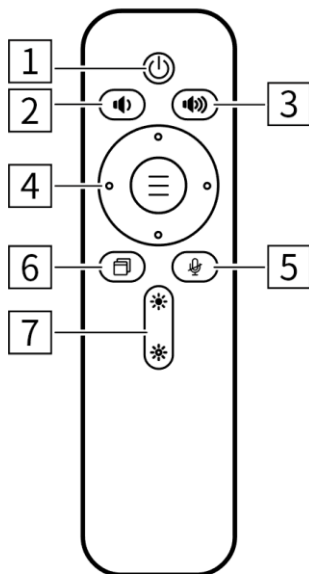
Description	Key	Functions
1 Power Switch of camera		Turn On/OFF Camera on screen
2 Volume down		Volume down
3Volume up		volume up

4 OSD Menu		1. OSD Menu log in/log off; 2. Confirmation while access to OSD Menu; 3. Up/down/left/right arrow to adjust values and effects once adjusted, no need confirmation;
5 Microphone Mute		Microphone Mute
6 Display Mode switch		Voice Tracking Mode, 360 degree Patrol mode, 180 degree Patrol Mode, Close Up speaker Mode
7Brightness +/-		Increase/decrease brightness of image

Preparing for use
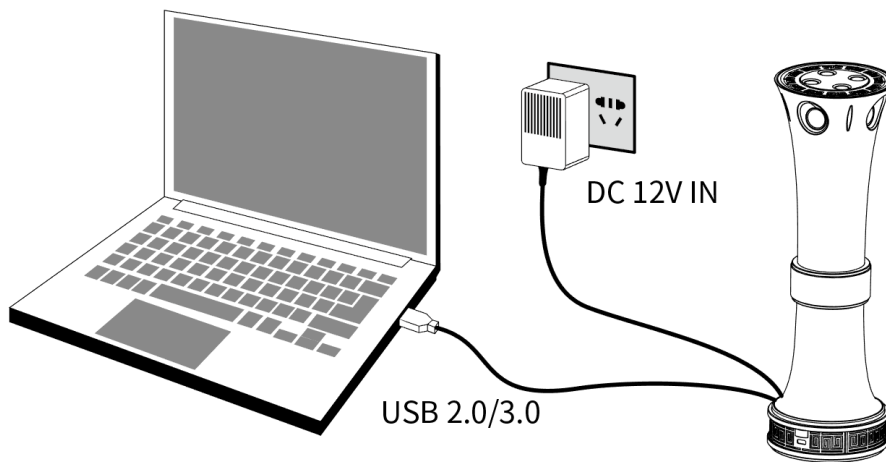
Connect Power DC12V Cable, and use supplied USB cable to your PC; Chose Video and Audio device from your video conferencing software to start your Video call.
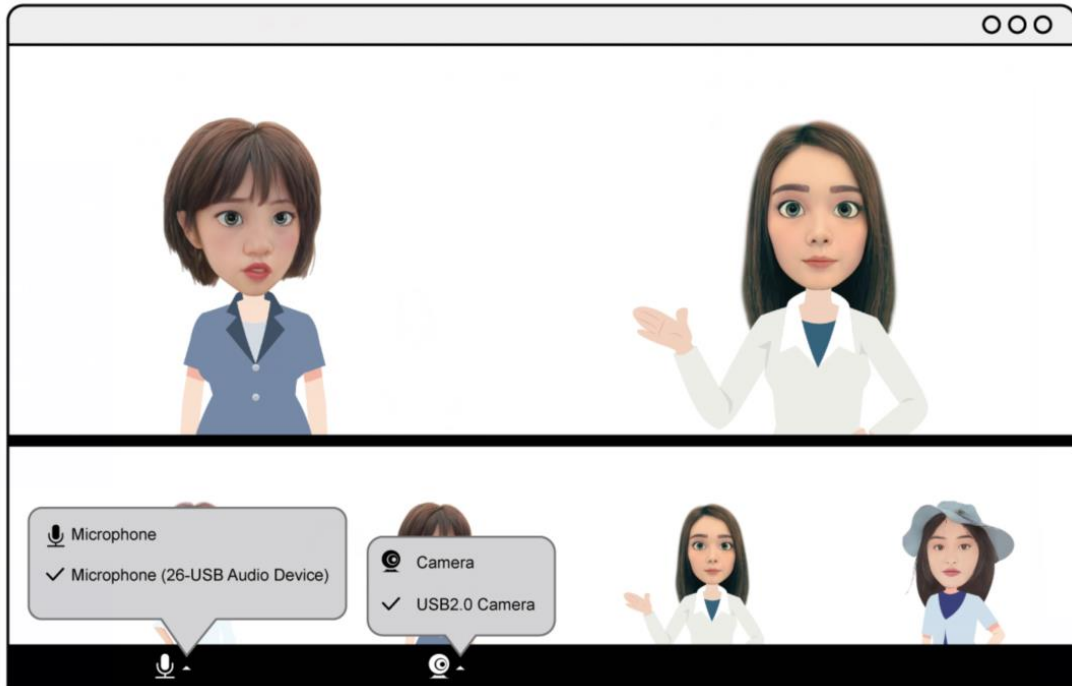
System Requirements:

Plug & Play working with Windows XP/Windows Vista/Windows7/ Windows8/Windows10, iOS and Android 4.4 or later OS, connecting to USB 2.0 or USB3.0 with supplied Cables;

OSD Menu Function

Access to OSD Menu by remote or press button ⊜ *on top of device, you will see main OSD Menu:*

1. **Main OSD Menu**

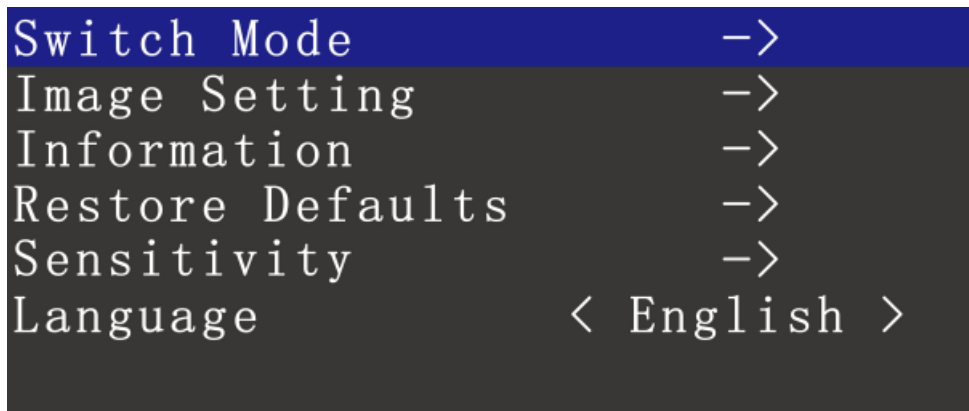| Main item	Description
Switch Mode	There are four video display layout: Voice Tracking Mode, 360-degree Patrol Mode, 180-degree Patrol Mode, Close Up speaker Mode
Settings	To adjust values of image brightness, Saturation, contrast, flickering etc.
Information	Factory firmware information
Restore Defaults	Return to default settings.
Voice tracking settings	Sensitivities of voice tracking settings.
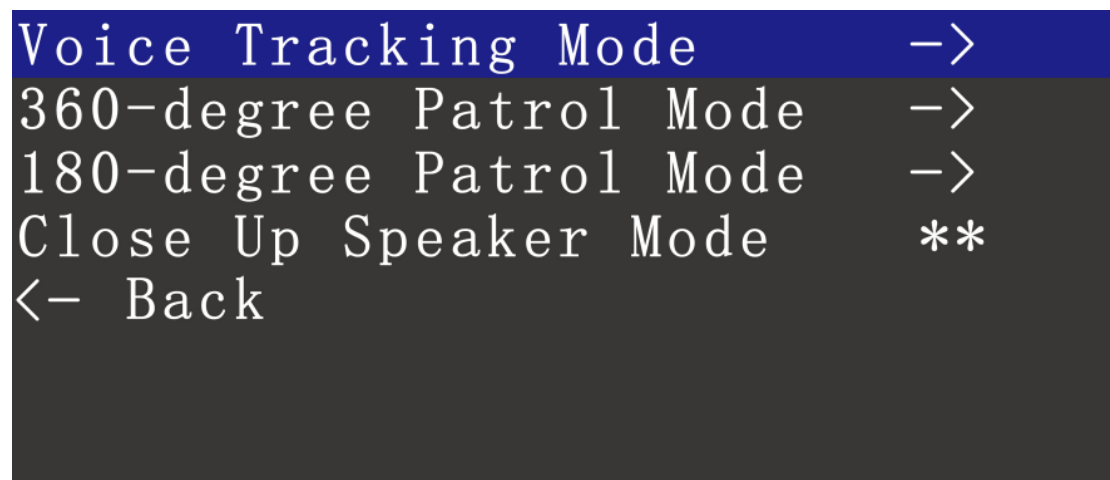
Switch Mode

item	Reference scope	Default value	Description
Voice Tracking Mode	**	-	Camera shot by voice tracking who is speaking on screen;
360-degree Patrol Mode	**	-	Camera shot 360 degree full video around and patrol continuously.
180-degree Patrol Mode	**	-	There are two screen which shows 180 degree video each on screen;
Close Up speaker Mode	**	-	Highlight the speaker mode;

2. Image settings

item	Reference scope	Default value	Description
Image switch	ON/OFF	ON	Switch turn on Image or turn Off
Brightness	0-99	32	Adjust image brightness value
Saturation	0-30	12	Adjust image saturation value
Contrast	0-30	10	Adjust image contrast value
Flickering	50Hz/60Hz	50Hz	Flickering switch

3. Information

item	Description
Firmware version	V1.0.0.11826M

4. Return to default settings.

5. Voice tracking Settings

item	Reference scope	Default value	Description
Voice tracking sensitivity	1-4	1	To adjust sensitivities of voice tracking value

Remark: the OSD Menu will log-off automatically in case of no activities in 30 seconds;

How it works with four different Switch Modes?

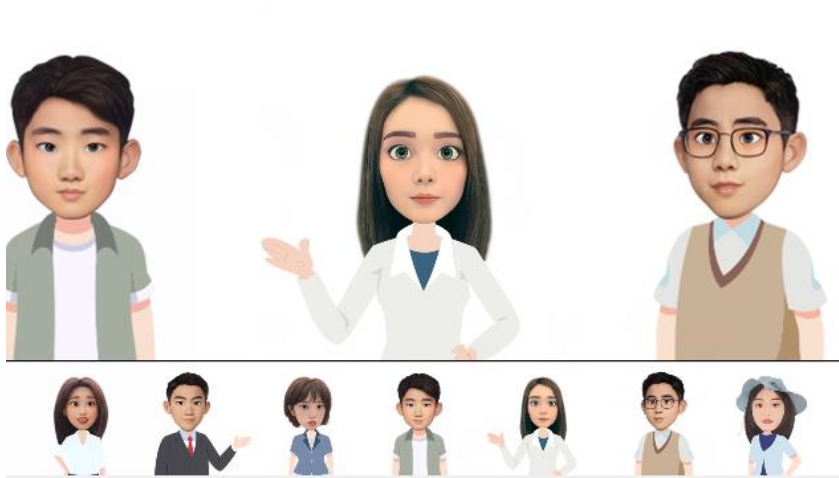**You can use remote control press** **or access to OSD Menu-> Switch Mode:**
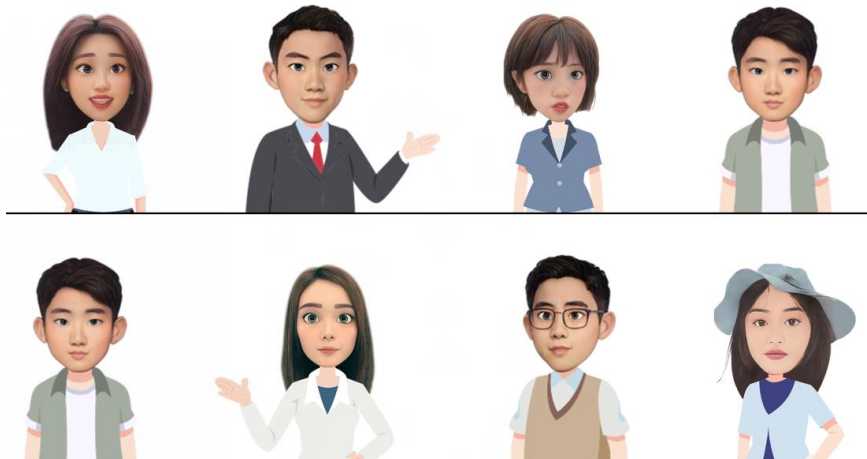
Voice Tracking Mode

To show who is speaking and switch another when the one stop;

360-degree Patrol Mode

180-degree Patrol Mode

Close Up speaker Mode

< 3 meters
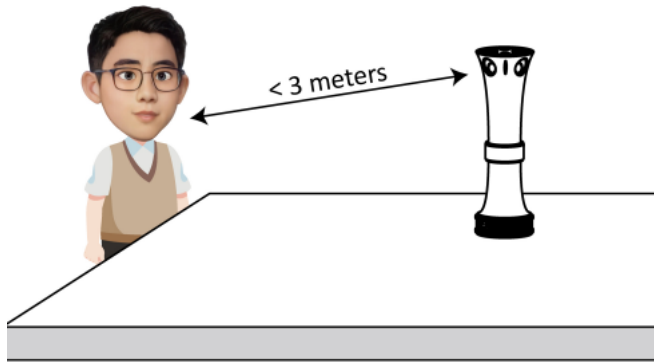
Specification sheet

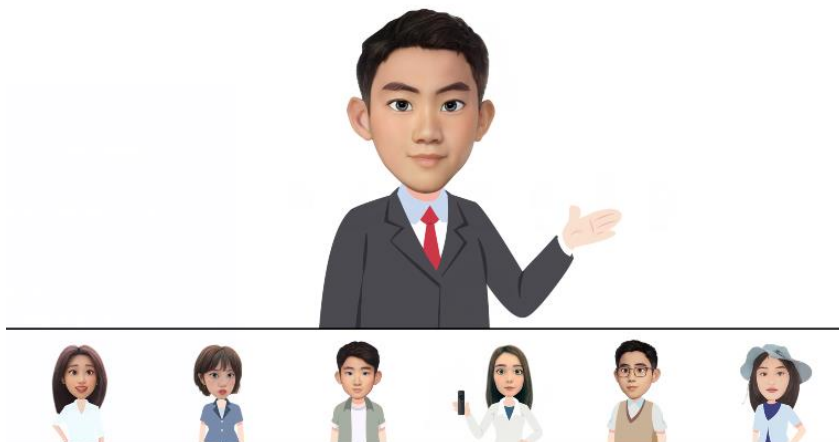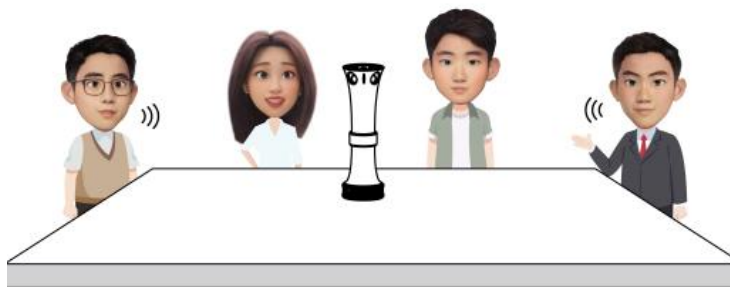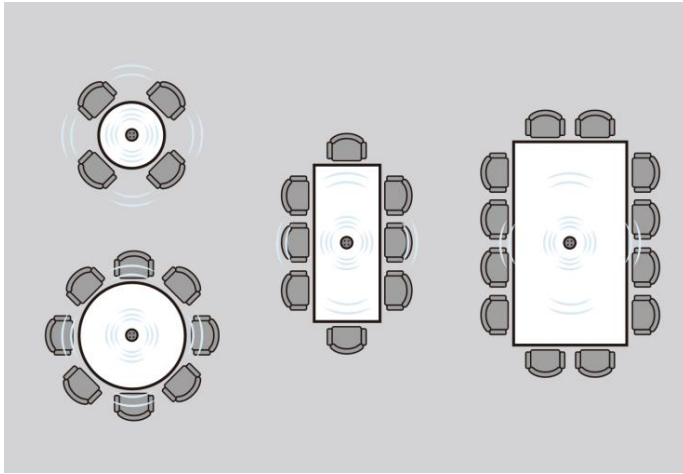| Video parameter	
Product Image	
Model No.	KP-F11-G
Image sensor	1/2.8" CMOS ,2.07 Megapixel, 4 Sensor
Focus	f=2.02mm
Iris	F2.5
HOV	360 Panoramic, Close up speaker
Focus system	Fixed
Exposure Control	AUTO
Shutter Speed	1/25～1/10,000S
White Balance	Manual
Digital Noise Reduction	2D/3D
S/N Ratio	≥ 50dB
BL Compensation	support
Video Adjustable Parameters	Brightness, Contrast, Saturation
Multiple Presentation Mode	Voice Tracking Mode, 360 degree Patrol mode, 180 degree Patrol Mode, Close Up speaker Mode
OSD MENU	English
Voice Localization	
Microphone	8x Omni-directional mic
Audio parameter	
Microphone	2pcs omni-directional mic
Sensitivity	-38±1dBV
S/N Ratio	65dB(A)
Frequency Range	100Hz~16kHz (Playback: 100HZ-16kHz Record:100Hz–8kHz)

Sampling Rate	48kHz (Playback: 48kHz Record: 16kHz)
Automatic Noise Reduction	support
Speaker power output	4.2W MAX
Automatic Gain Control	support
Echo Cancellation	Advanced echo cancellation algorithm, full duplex communication
Pick-up Radius Range	Max 5 Meters, suggest to work in 3 meters distance
Interface	
Power Supply	JEITA type, DC IN 12V2A input, JEITA Type, DC IN 12V1A input
Control connector	IR Remote control
USB Interface	1xType-C, support UVC, UAC protocol Resolution: 1920x1080, 1440x900, 1400x900, 1360x768, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 640x480 Fps: 30fps USB2.0: MJPG USB3.0: MJPG, YUY2
General Specification	
Consumption	< 24W
Work Environment	Work Temperature0～50, EnvironmentHumidity10%～95%
Dimension (L x W x H)	90mm x 90mm x 286mm
Net Weight	490g
Color	Grey