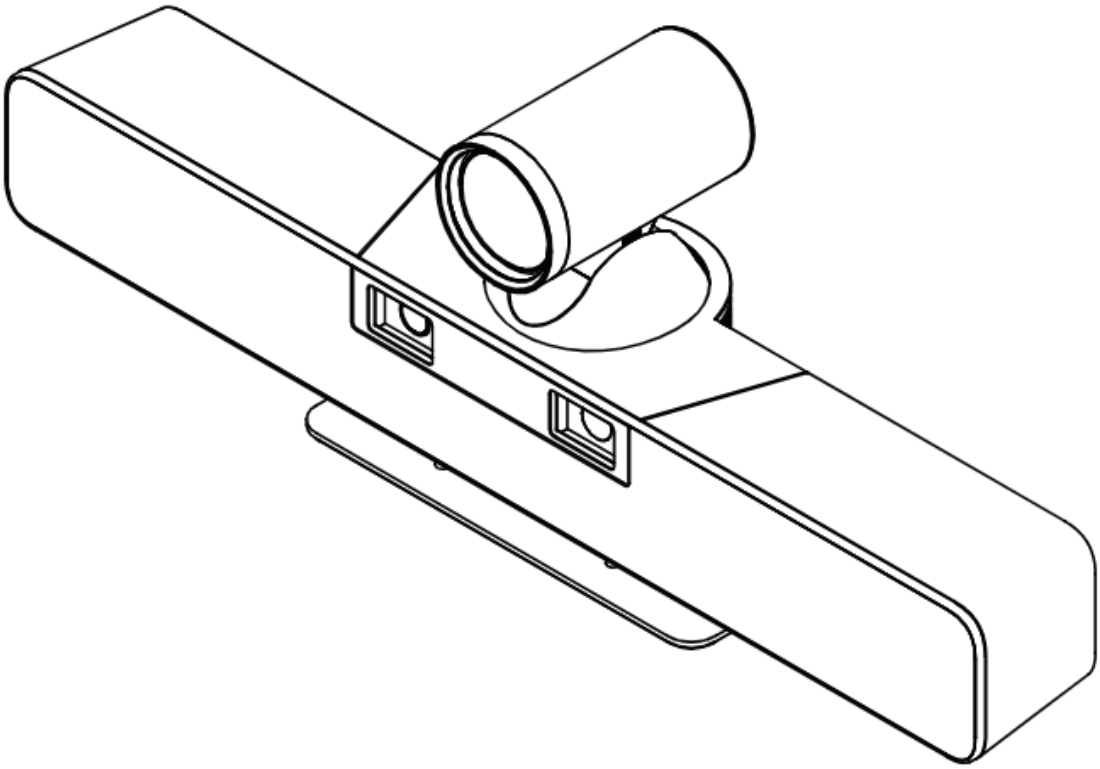
A&T

IKON 700

4K Dual-lens PTZ Video Soundbar

User Manual



EXPERIENCE NEXT

Limitation of Liability

This manual does not contain any warranties or implied warranties of any kind. The contents of this manual may be updated at any time without notice.

Warning: Operating this equipment in a residential environment may cause radio interference.

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1. System Overview

1.1. System Introduction

The A&T IKON 700 is a 4K dual-lens PTZ video Soundbar designed for medium and large meeting rooms. It integrates a 12x optical zoom close-up PTZ camera, a 120° panoramic camera, a 6-MEMS microphone array and dual-channel stereo speakers in one compact unit, with AI framing, tracking and BYOM (Bring Your Own Meeting) wired and wireless screen sharing.

Usage Environment

Option 1: Connect a conferencing PC via USB and use the IKON 700 as a USB camera, microphone and speaker for any cloud meeting software.

Option 2: Use the BYOM wired or wireless Pod to share a laptop screen and run meetings from the participant's own laptop.

Option 3: Use a computer on the same network for remote web control and management.

Features

Applicable Scenarios: Designed specifically for medium and large meeting rooms, with a dual-camera integrated design, easy deployment and maintenance, creating a smart, comfortable and efficient remote communication environment for business negotiations and team collaboration.

Customer Value: Innovative high-magnification optical zoom gimbal camera delivers exceptional image quality; integrates leading AI scene detection and AI audio algorithms to significantly improve meeting efficiency.

Integrated Design: Close-up and panorama dual-lens, array microphones and dual-channel speakers all integrated into one compact design, featuring minimal wiring for quick and easy deployment and maintenance.

Dual-lens Collaborative Shooting: The panorama camera is equipped with a 120° ultra-wide-angle lens, providing a comprehensive view of the entire venue. Real-time AI detection and analysis ensure zero omissions. The close-up camera is equipped with a high-performance mechanical gimbal and a 12x optical zoom lens, delivering lossless close-up shots of participants.

- **4K UHD:** Both close-up and panorama cameras are equipped with high-quality UHD CMOS sensors, supporting smooth 4K30 video output.
- **Integrated Mechanical Pan-Tilt:** The close-up camera is equipped with a high-precision silent electric pan-tilt unit, with a horizontal rotation range of ±90° and a vertical rotation range of ±23°, providing comprehensive coverage of the entire meeting space.
- **Presenter Tracking:** Equipped with AI algorithms such as ReFace, ReID and gesture recognition, it locks onto the presenter. When the presenter moves, the camera seamlessly follows and captures them.
- **Group Framing:** Identifies the number of participants and changes in their positions, automatically adjusting the PTZ of the camera to obtain the best composition, ensuring that all participants are in the frame.
- **Speaker Framing:** High-precision AI sound source localization links with the close-up camera to automatically present clear close-up images of one or more presenters, ensuring that the active speaker is always in focus.
- **Smart Gallery:** Facial and human recognition automatically presents close-up images of multiple participants, dynamically adjusting the screen layout so that every participant can engage equally in the meeting.
- **Wired and Wireless BYOM:** With the wired and wireless BYOM Pod, participants can share their screens with a single click from their personal laptops. They can also use the device's camera, microphone and speakers and join any cloud meeting software.
- **Dual-mode Automatic Switching:** Equipped with an HDMI IN interface, supporting smart detection and automatic seamless switching between peripheral mode and BYOM mode.
- **8-meter Pickup Range:** Built-in 6 MEMS microphone arrays with a low-distortion beamforming algorithm accurately capture the presenter, with an effective pickup range of up to 8 meters.
- **Expanded Audio Pickup:** Equipped with a PSE-powered multi-purpose expansion interface, supporting the cascading of three M702 array microphones to cover larger meeting spaces.
- **Stereo Amplification:** Built-in full-range stereo speaker system with 8+8 W high-power output and a professional acoustic structure.

- **Intelligent Audio Algorithm:** Intelligent audio 3A algorithm (AEC/AGC/ANS) with deep learning capabilities eliminates environmental noise, reverberation and background noise, suppresses echoes and ensures consistent, full-duplex voice clarity.
- **Privacy and Security Protection:** The close-up camera supports automatic privacy mode and can link the privacy cover of the panorama camera to open and close, protecting meeting-space information.
- **Easy Deployment:** Offers multiple installation options, including desktop placement, wall mounting and TV/display mounting. Supports USB plug-and-play.

1.2. Attentions

The A&T IKON 700 is a sophisticated device. To avoid failures or damage caused by installation, debugging, usage or other human factors, please ensure that personnel involved in installing and using this product read the following guidelines carefully.

- Before installation and use, carefully read the product user manual.
- During installation and operation, all electrical safety regulations of the country and region of use must be strictly observed.
- Please use the 12 V 5 A power adapter that comes standard with this product.
- Do not connect multiple devices to the same power adapter (exceeding the capacity of the adapter may generate excessive heat or cause fire).
- Do not rotate the camera by hand, otherwise it may cause mechanical failure.
- When installing this product on a wall or ceiling, make sure the device is secure and there are no obstacles within the rotation range. Do not power on until all installations are completed.
- To avoid heat build-up, please keep smooth ventilation around the device.
- If the device smokes, smells or makes noises, turn off the power and unplug the power cord immediately, then contact the dealer.
- This device is not waterproof; please keep the device dry.
- This product has no user-serviceable parts. Damage caused by user disassembly is not covered by the warranty.

NOTE

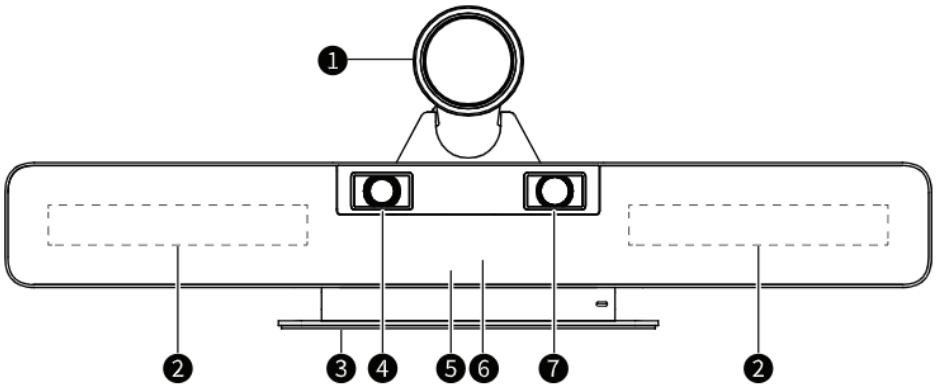
Running this device in a residential environment may cause radio interference.

1.3. Packing List

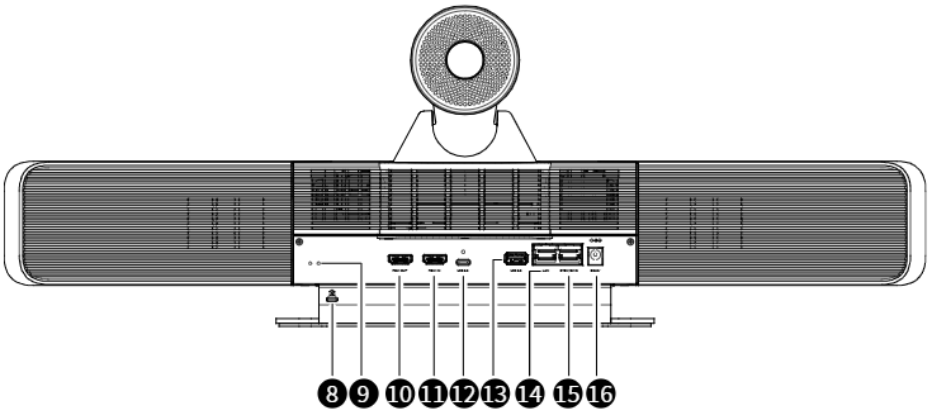
Name	Quantity
Video Soundbar (with Base)	1
Power Adapter	1
Remote Control	1
USB Cable	1
Wall Mount Bracket (with Screws)	1
User Manual QR Code	1

1.4. Interface Description

Front



Rear Interface

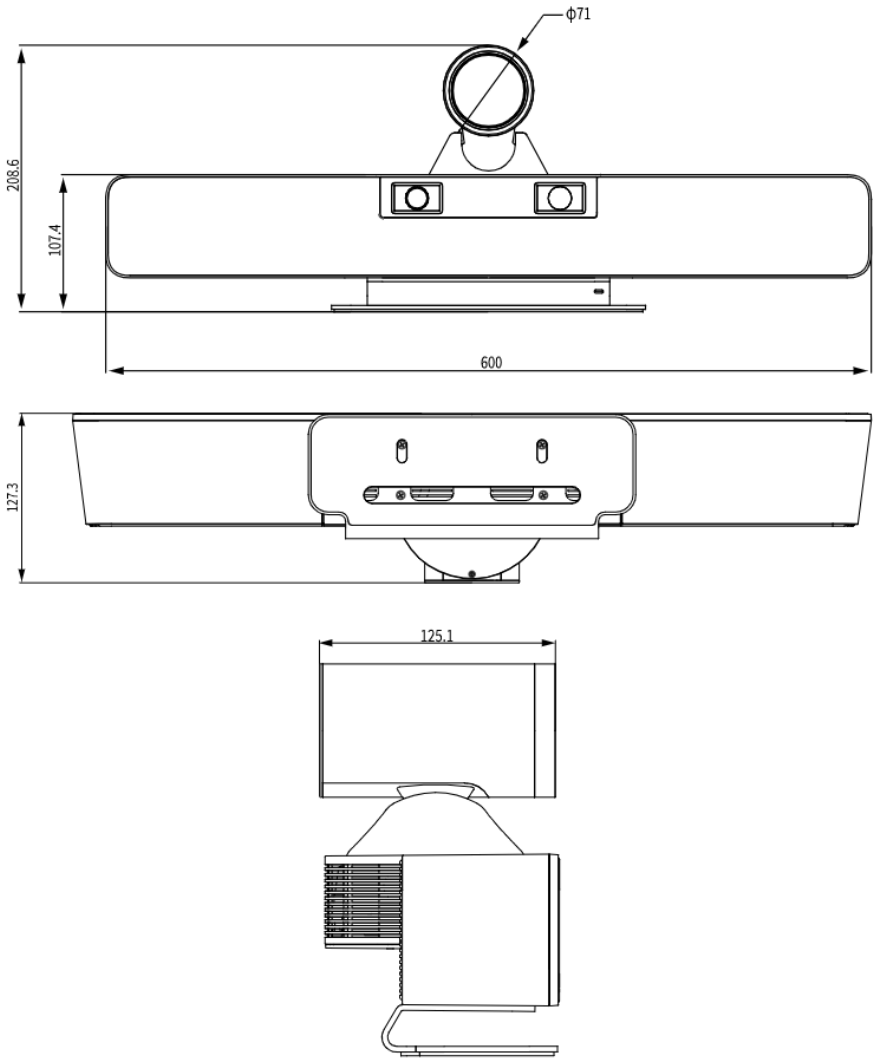


Hardware interface description:

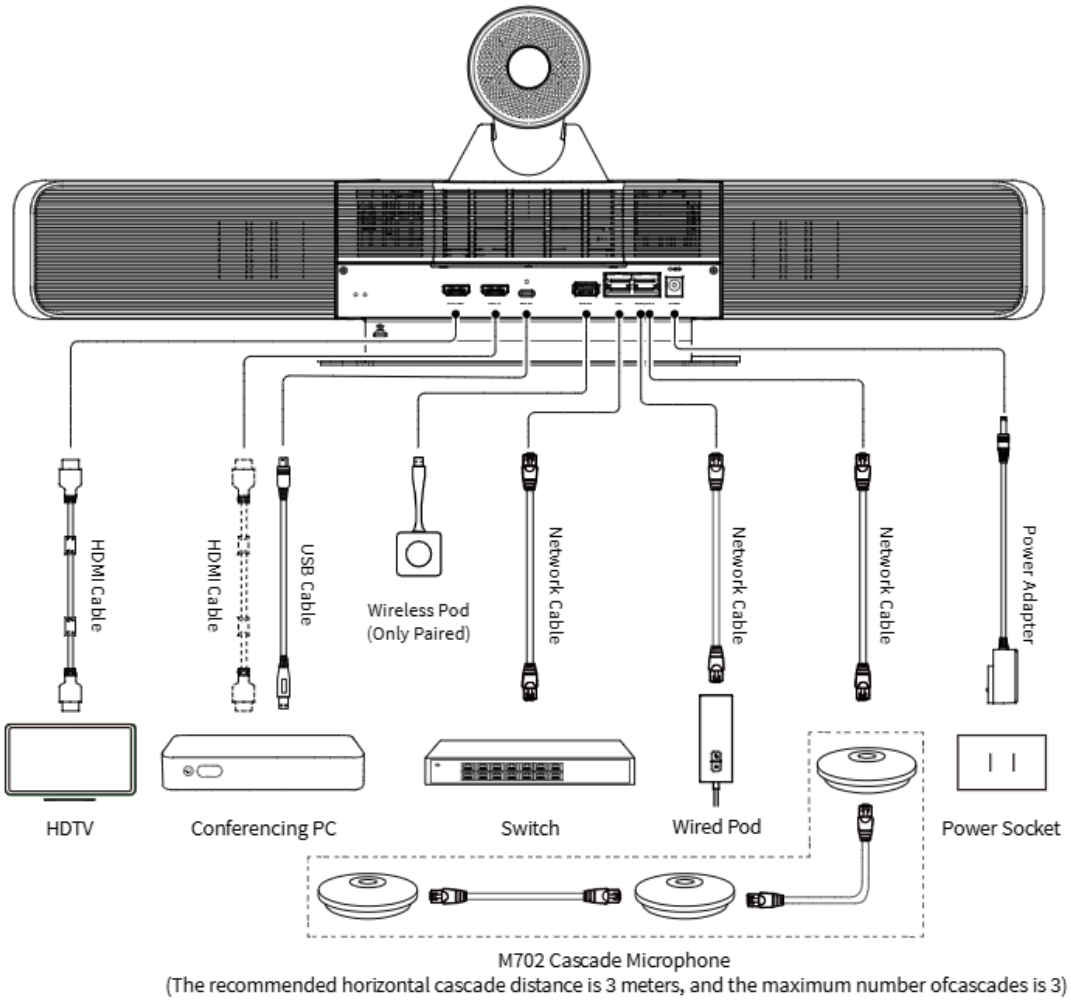
No.	Name	No.	Name
1	Close-up Lens	9	Burning Port
2	Loudspeaker	10	HDMI OUT Interface
3	Base	11	HDMI IN Interface
4	Panorama Lens	12	USB 3.0 Type-C Interface
5	Microphone	13	USB 3.0 Type-A Interface
6	Status Indicator	14	LAN Interface
7	IR Window	15	BYOM/DMIC Interface
8	Security Lock	16	DC 12V Interface

1.5. Dimension

Unit: mm



1.6. Connection Diagram



The above are the devices recommended for each interface of the A&T IKON 700. The cable connection contains optional configurations and is for reference only; please connect the cables according to actual needs. For specific product matching solutions, please contact our sales staff for recommendations.

Instructions for BYOM Wireless Pod

Insert the wireless Pod into the USB 3.0 Type-A interface of the camera. The blue indicator on the Pod will turn on; after approximately 5 seconds, the indicator will switch to red to indicate that pairing is complete. Remove the wireless Pod and connect it to the PC to enable the BYOM & BYOD functionality.

Instructions for BYOM Wired Pod

Connect to Presentation Device

- Connect one end of the network cable to the LAN interface of the BYOM Pod and the other end to the BYOM/DMIC interface of the presentation device.
- When using a cascade microphone, connect one end of a network cable to the UP interface of the cascade microphone and the other end to the BYOM/DMIC interface of the presentation device; connect one end of another network cable to the DOWN interface of the cascade microphone and the other end to the LAN interface of the BYOM Pod.

Connect to PC

- When the PC has a full-function USB-C interface (supporting DP Alt Mode), connect the USB-C cable of the BYOM Pod to the USB-C interface of the PC to share screen and meetings.
- When the PC does not have a USB-C (DP) interface, use an HDMI cable to connect the HDMI IN interface of the BYOM Pod to the HDMI OUT interface of the PC to share your screen. Then connect a USB-A/USB-C cable to the USB interface of the PC to enable meeting sharing.

Pairing

After connecting the host device and PC, the BYOM Pod powers on automatically and searches for the paired host device (the BYOM Pod indicator light is steadily purple, and the mute indicator light is steadily orange). When pairing is successful and the video input source is detected, the BYOM Pod key light will be steadily red.

NOTE

If pairing restarts, please pair again after the restart.

Screen Sharing

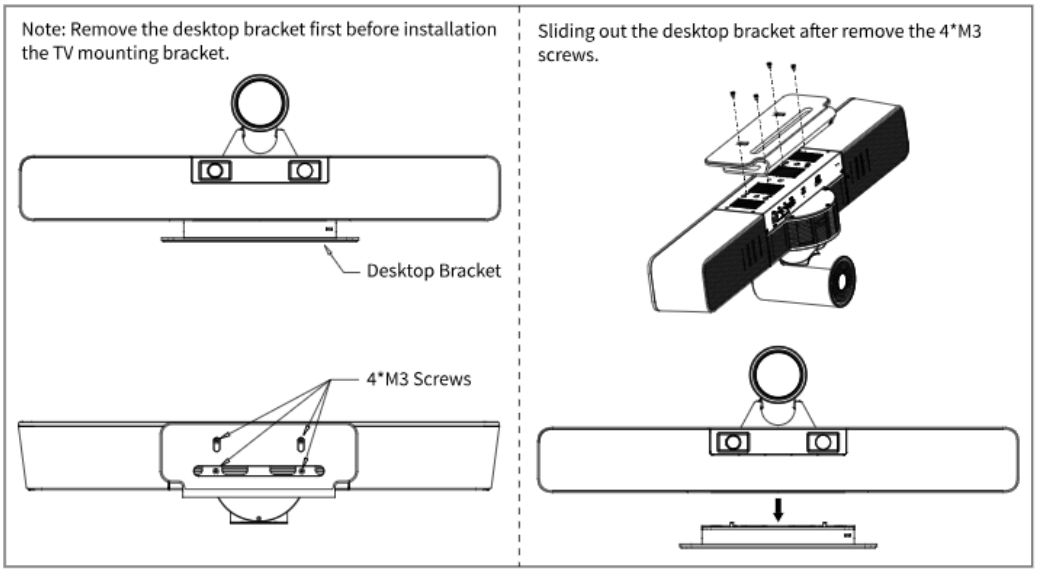
After successful pairing, short-press the sharing key to activate screen sharing mode (the sharing key indicator turns solid blue). Press the sharing key again to deactivate screen sharing mode.

NOTE

The recommended horizontal cascade distance for M702 cascade microphones is 3 meters, and the maximum number of cascades is 3.

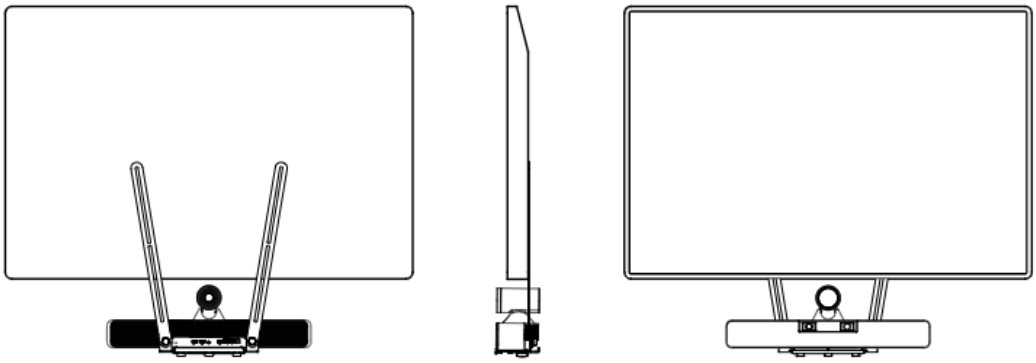
1.7. Installation

1.7.1. TV Mounting (Optional)

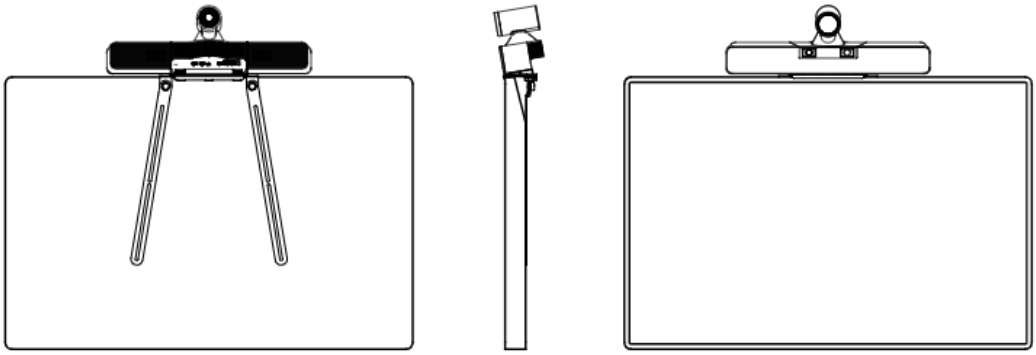


Remove the desktop bracket first before installing the TV mounting bracket: remove the 4 × M3 screws and slide out the desktop bracket.

TV Mounting Effect

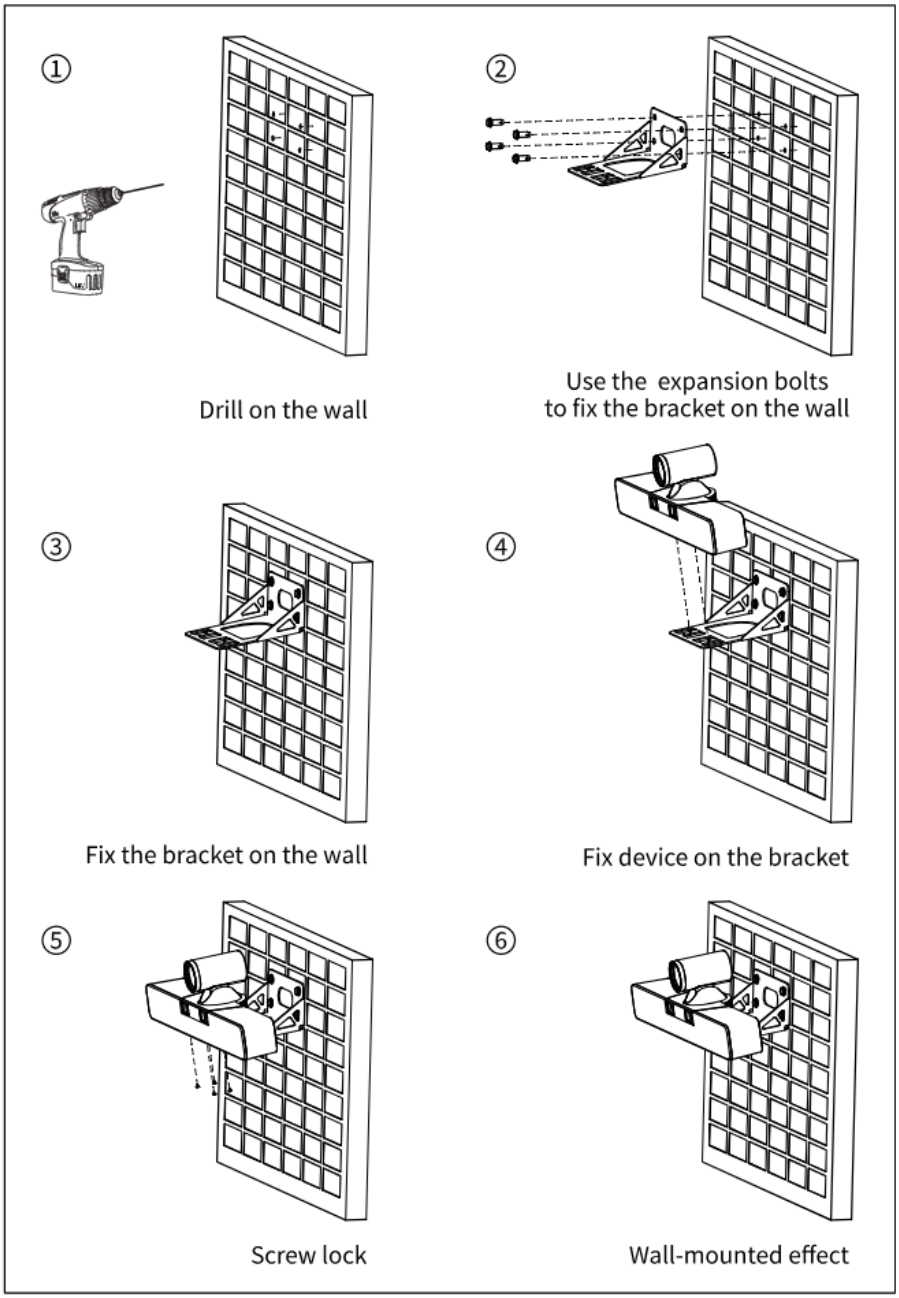


Bottom Installation



Top Installation

1.7.2. Wall Mounting

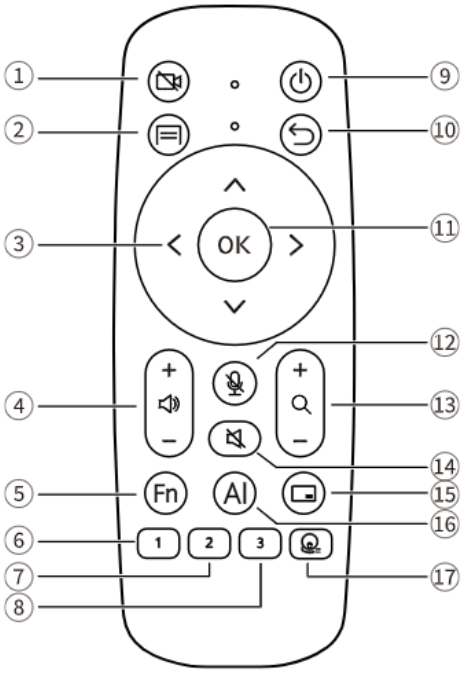


① Drill on the wall. ② Use the expansion bolts to fix the bracket on the wall. ③ Fix the bracket on the wall. ④ Fix the device on the bracket. ⑤ Lock the screws. ⑥ Wall-mounted effect.

NOTE

The installation diagram is for reference only. Please refer to the actual product for installation accessories.

1.8. Remote Control



No.	Key	Description
1	**Privacy Cover Switch**	When closing the video: the privacy cover of the panoramic camera closes, and the close-up camera turns to the privacy position. When opening the video: the privacy cover opens, and the close-up camera returns to the previous position.
2	**Menu Key**	Enter/Exit the OSD menu.
3	**Direction Keys**	Menu mode: select and set the menu. Non-menu mode: turn the close-up lens Up/Down/Left/Right.
4	**Volume +/- Keys**	Press to increase or decrease the volume.
5	**Fn Key (Custom Function Key)**	Reserved; supported after future software upgrades.
6	**Preset 1 Key**	Press to call preset 1.
7	**Preset 2 Key**	Press to call preset 2.
8	**Preset 3 Key**	Press to call preset 3.
9	**Standby Key**	Enter/Exit standby mode.
10	**Return Key**	Menu mode: return to the previous menu.

No.	Key	Description
11	**OK Key**	Menu mode: confirm option. Non-menu mode: after zooming the camera view, press OK to quickly return to the Home position.
12	**Microphone Mute Key**	Turn the microphone on/off.
13	**Zoom Keys**	Zoom in [+]; zoom out [-].
14	**Speaker Mute Key**	Turn the speaker on/off.
15	**Layout Switch Key**	Press repeatedly to switch the screen layout.
16	**AI Key**	Press to bring up the AI settings menu.
17	**Preset Key**	Successively press [Preset] + number key (1–3) to set the preset position.

2. AI Tracking

The A&T IKON 700 supports Presenter Tracking, Smart Gallery, Speaker Framing, Group Framing and Gesture Control tracking functions.

2.1. Group Framing

Step 1 Press the [AI] key on the remote control to enter "AI Framing", then select "Group Framing". The icon will be displayed in the lower-left corner of the screen.



Step 2 When participants move, the camera automatically adjusts the image for the best composition using facial recognition.



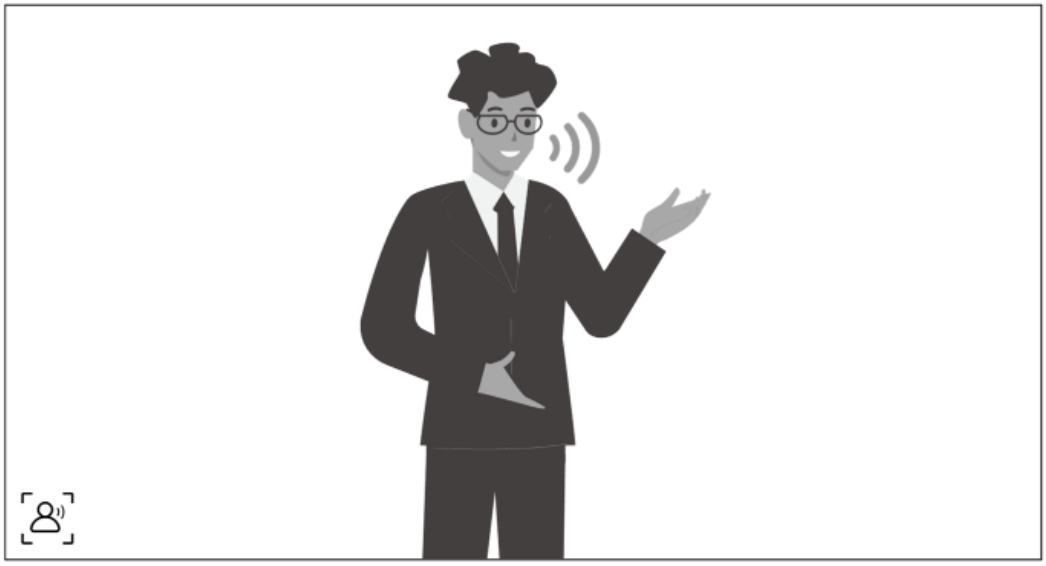
Step 3 Press the [AI] key on the remote control to enter "AI Framing", then select "Off" to exit Group Framing.

2.2. Speaker Framing

Step 1 Press the [AI] key on the remote control to enter "AI Framing", then select "Speaker Framing". The icon will be displayed in the lower-left corner of the screen.



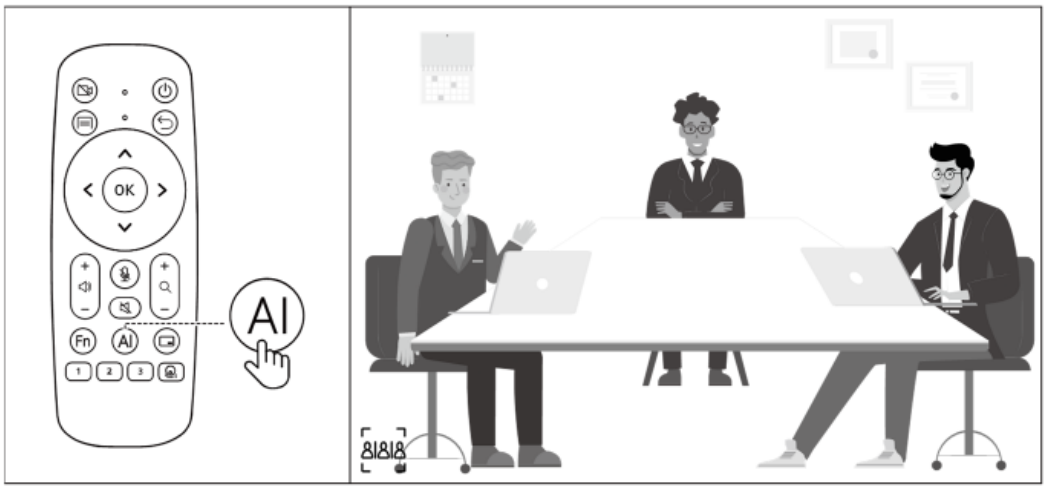
Step 2 When a participant speaks, the camera automatically locks onto the speaker's position based on the sound source and provides a close-up shot. Speaker Framing has two modes: "Close-up Mode" (icon) and "Discussion Mode" (icon).



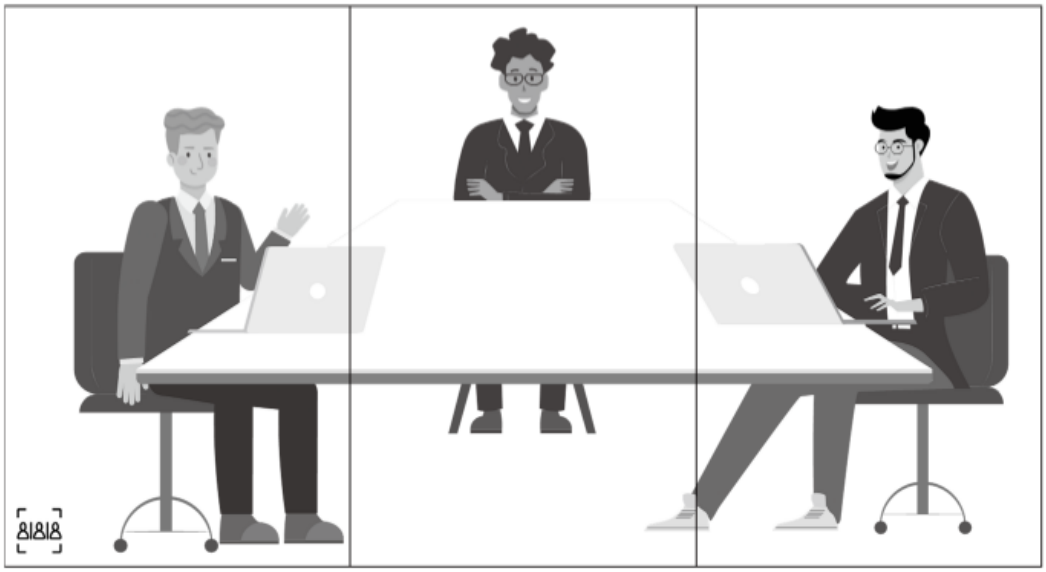
Step 3 Press the [AI] key on the remote control to enter "AI Framing", then select "Off" to exit Speaker Framing.

2.3. Smart Gallery

Step 1 Press the [AI] key on the remote control to enter "AI Viewing", then select "Smart Gallery". The icon will be displayed in the lower-left corner of the screen.



Step 2 The meeting layout changes according to the number of participants, and the close-up images of participants are extracted and arranged intelligently (see the figure below for a typical layout).



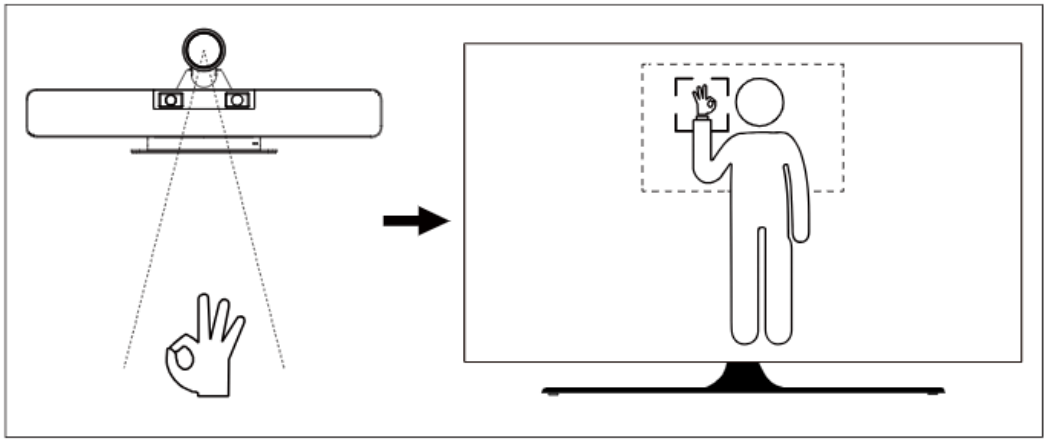
Step 3 Press the [AI] key on the remote control to enter "AI Viewing", then select "Off" to exit Smart Gallery.

2.4. Presenter Tracking

Step 1 Press the [AI] key on the remote control to enter "AI Framing", then select "Presenter Tracking". The icon will be displayed in the lower-left corner of the screen.

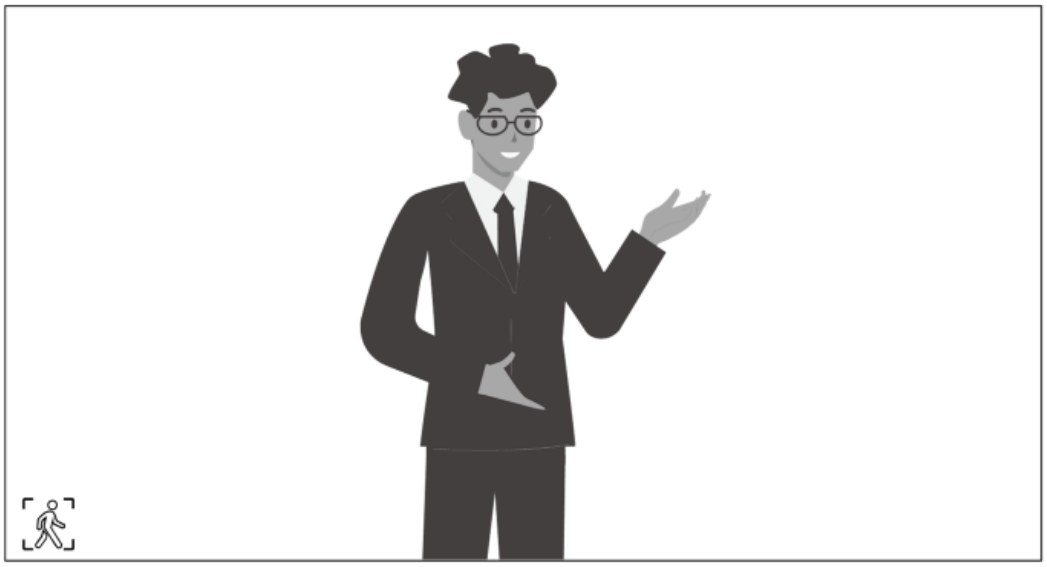


Step 2 Face the camera and make the gesture. A green frame will appear on the screen around the gesture to select the person to be tracked. After the tracked person is selected, the screen displays "Presenter Tracking Active", indicating that tracking mode is activated. Release the gesture after tracking mode has been activated.

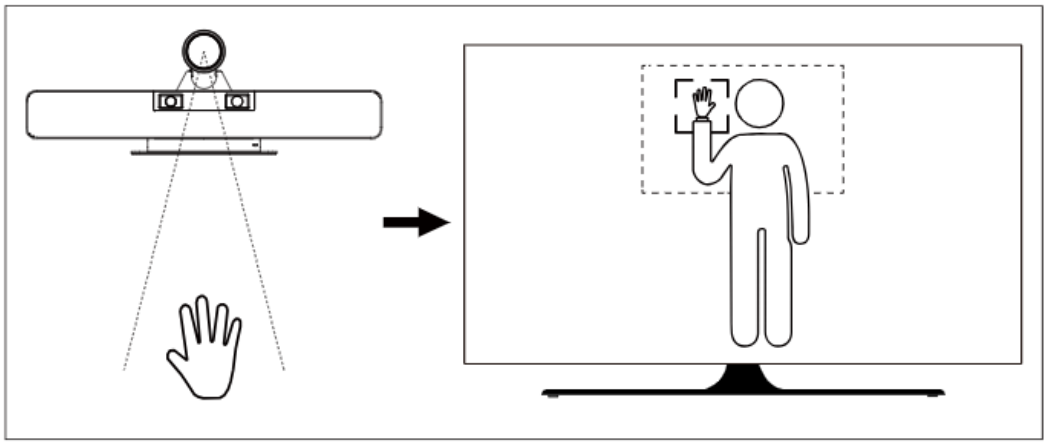




Step 3 When the tracked person moves, the camera automatically locks the position and gives a close-up image.



Step 4 Face the camera and make the gesture. The Presenter Tracking function will be turned off and the screen will display "Presenter Tracking Inactive".





Step 5 Press the [AI] key on the remote control to enter "AI Framing", then select "Off" to exit Presenter Tracking.

NOTE

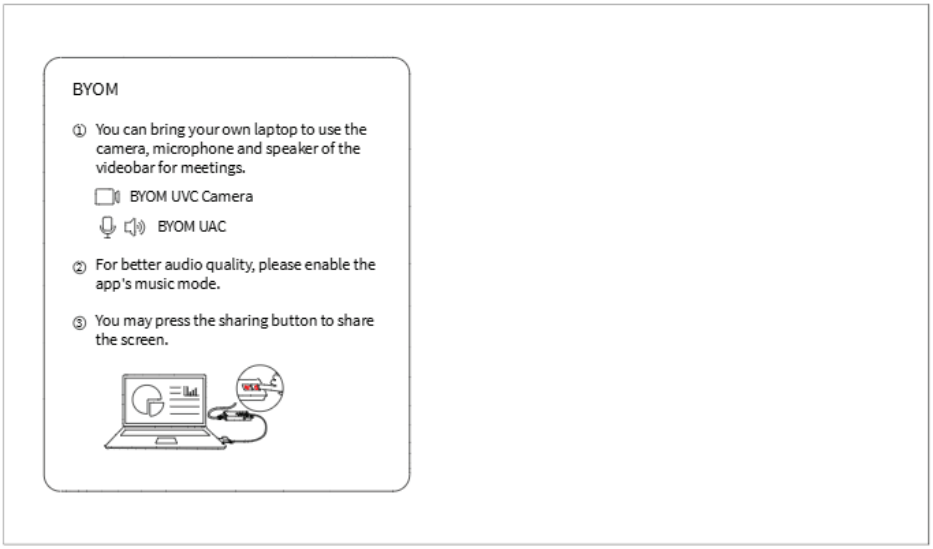
When making the gestures toward the camera, place your hand at least one fist and no more than two fists away from your ear.

3. BYOM

The A&T IKON 700 supports wired screen sharing, sending the input audio and video sources to the video sounbar, which then outputs them to a TV or other display device. It also supports BYOM, transferring the audio and video sources from the video sounbar to a PC via USB. After the Power Interface is enabled in the menu, the device displays the BYOM instruction interface when it starts up.

3.1. Operation

Step 1 Press the [Menu] key on the remote control and select "General Setting > Power Interface > On" to display the BYOM instruction interface when the device starts up.



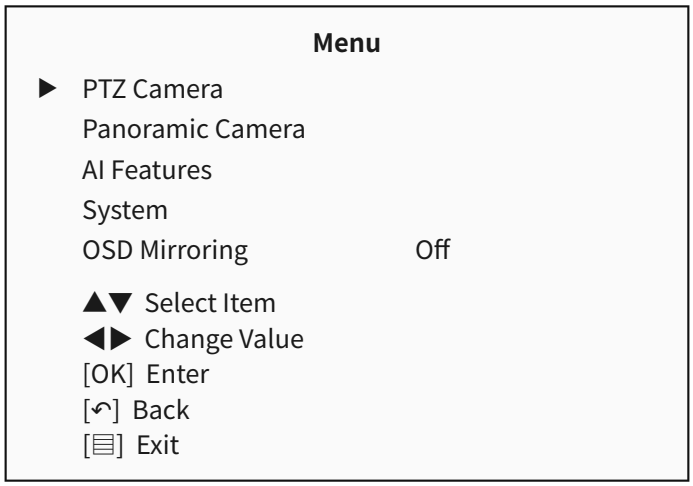
Step 2 Follow the on-screen instructions to complete the operation and share the PC screen to the video sounbar.

Step 3 Press the [↶] key on the remote control to exit the BYOM instruction interface.

4. OSD Menu Settings

4.1. Main Menu

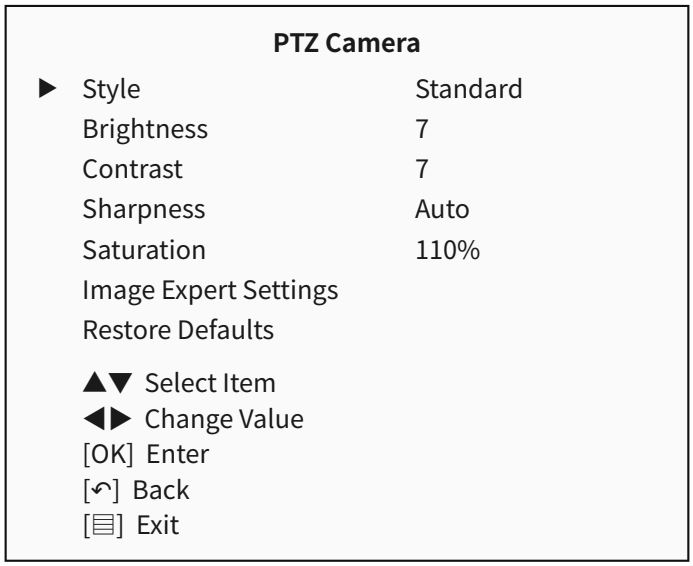
Press the [Menu] key on the remote control to display the main menu. Move the arrow cursor (hereinafter referred to as the cursor) to the desired item and press the [OK] key on the remote control to confirm and enter the submenu.



OSD Mirroring: On, Off.

4.2. PTZ Camera

Navigate to "PTZ Camera" in the main menu using the cursor, then press [OK] to enter the PTZ camera settings interface.



Style: Standard, Custom.

Brightness: 0~14.

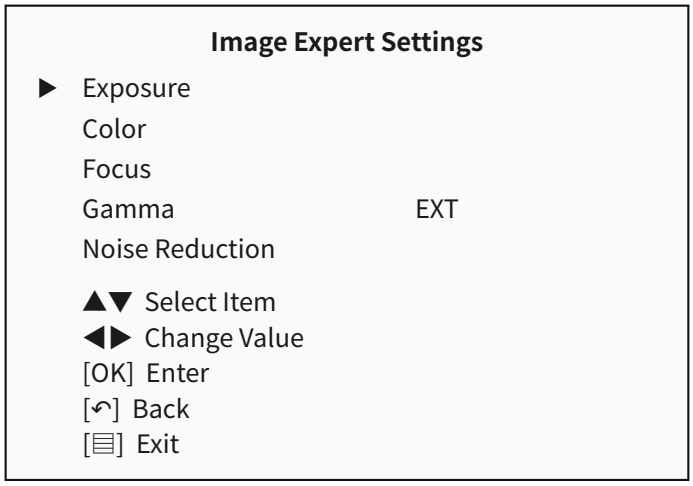
Contrast: 0~14.

Sharpness: 0~15, Auto.

Saturation: 60%~200%.

Image Expert Settings: Exposure, Color, Focus, Gamma, Noise Reduction.

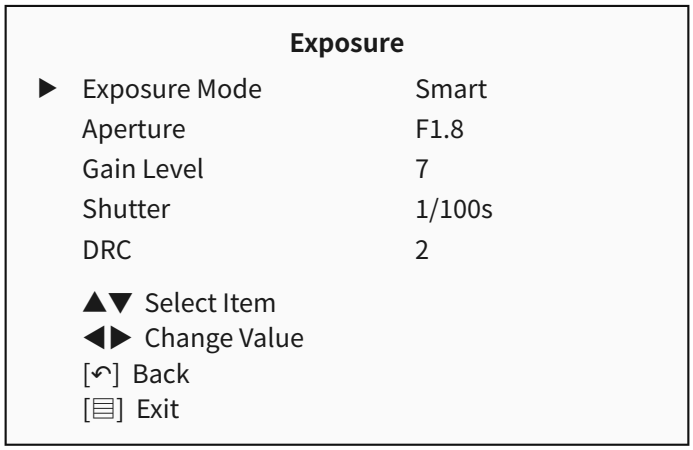
Restore Defaults: Yes, No.



Gamma: EXT, Default, 0.45, 0.5, 0.56, 0.63.

4.2.1. Exposure

In the Image Expert Settings interface, move the cursor to "Exposure" and press [OK] to enter the exposure interface.



Exposure Mode: Smart, Auto, Manual, Shutter Priority, Aperture Priority.

Exposure Compensation: On, Off (effective in Auto mode).

Compensation Level: -7 to +7 (only active when exposure compensation is enabled).

Gain Limit: 0~15 (effective in Auto and Aperture Priority modes).

Metering: Average, Center, Bottom, Top (effective in Auto and Aperture Priority modes).

Backlight: On, Off (effective in Auto mode).

Aperture: F1.8, F2.0, F2.4, F2.8, F3.4, F4.0, F4.8, F5.6, F6.8, F8.0, F9.6, F11.0, Off (effective in Manual and Aperture Priority modes).

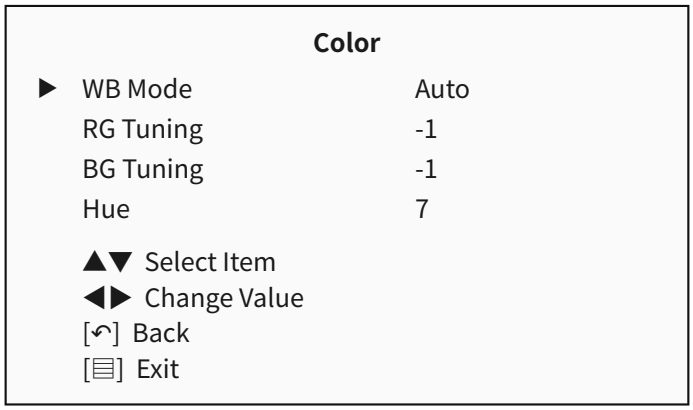
Shutter: 1/30s, 1/60s, 1/90s, 1/100s, 1/125s, 1/200s, 1/250s, 1/350s, 1/500s, 1/725s, 1/1000s, 1/1500s, 1/2000s, 1/3000s, 1/4000s, 1/6000s, 1/10000s (effective in Manual and Shutter Priority modes).

Gain Level: 0~7 (effective in Manual mode).

DRC: 0~8.

4.2.2. Color

In the Image Expert Settings interface, move the cursor to "Color" and press [OK] to enter the color interface.



WB Mode (White Balance Mode): Auto, One Push, Manual, VAR.

RG Tuning (Red Gain Tuning): -10~10 (effective in Auto, One Push, VAR mode).

BG Tuning (Blue Gain Tuning): -10~10 (effective in Auto, One Push, VAR mode).

Red Gain: 0~255 (effective in Manual mode).

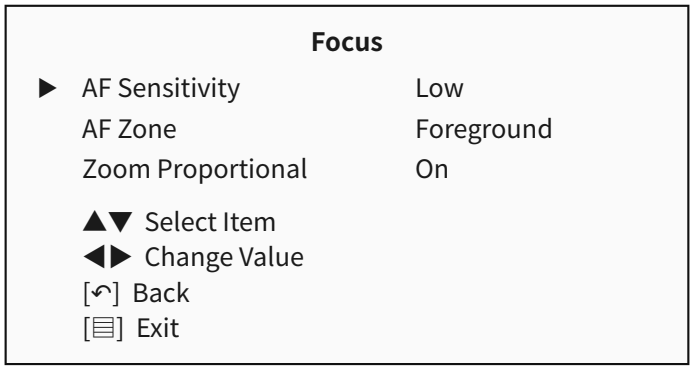
Blue Gain: 0~255 (effective in Manual mode).

Color Temperature: 2500K~8000K (effective in VAR mode).

Hue: 0~14.

4.2.3. Focus

In the Image Expert Settings interface, move the cursor to "Focus" and press [OK] to enter the focus interface.



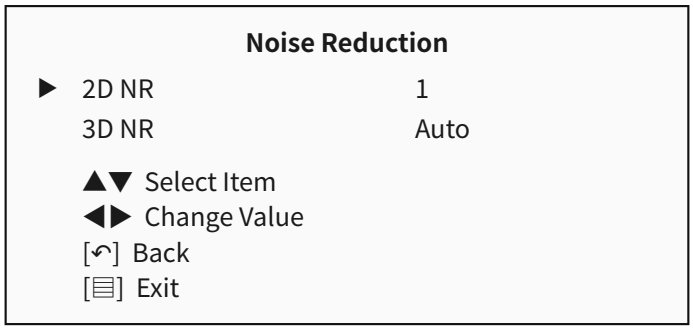
AF Sensitivity: Low, Normal, High.

AF Zone: Foreground, Top, Middle, Bottom.

Zoom Proportional: On, Off.

4.2.4. Noise Reduction

In the Image Expert Settings interface, move the cursor to "Noise Reduction" and press [OK] to enter the noise reduction interface.

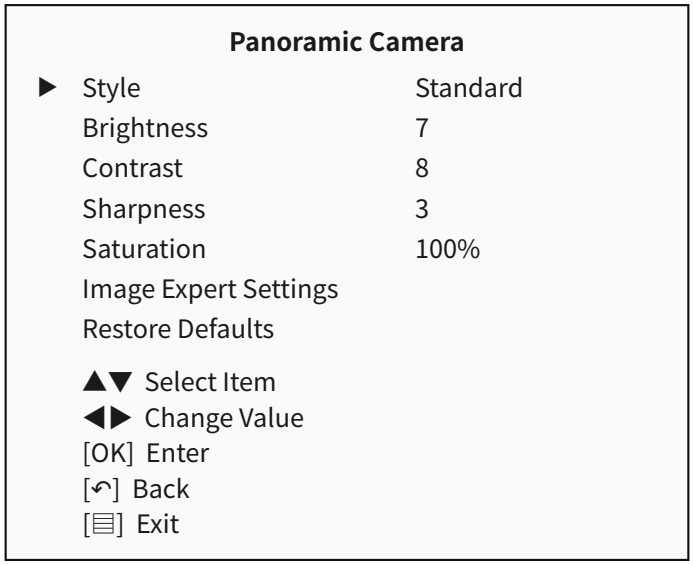


2D NR: Off, Auto, 1~5.

3D NR: Off, Auto, 1~8.

4.3. Panoramic Camera

Navigate the cursor to "Panoramic Camera" in the main menu, then press [OK] to enter the panoramic camera settings interface.



Style: Standard, Custom.

Brightness: 0~14.

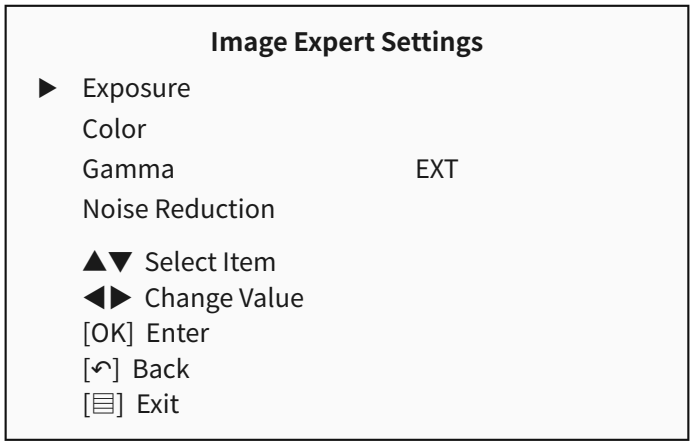
Contrast: 0~14.

Sharpness: 0~15, Auto.

Saturation: 60%~200%.

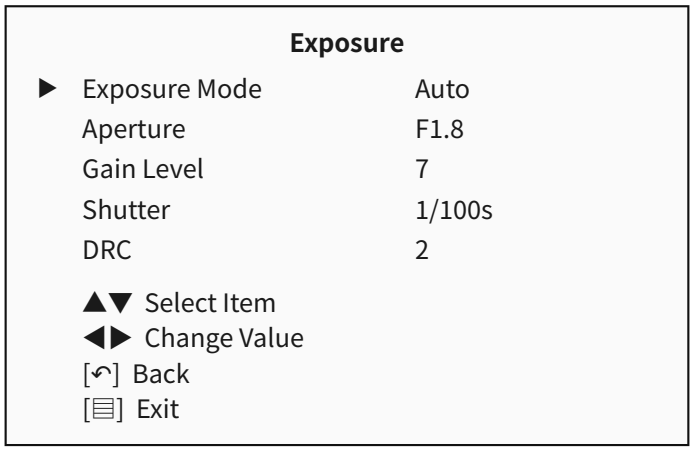
Image Expert Settings: Exposure, Color, Gamma, Noise Reduction.

Restore Defaults: Yes, No.



Gamma: EXT, Default, 0.45, 0.5, 0.56, 0.63.

4.3.1. Exposure



Exposure Mode: Auto, Manual, Shutter Priority.

Exposure Compensation: On, Off (effective in Auto mode).

Compensation Level: -7 to +7 (only active when exposure compensation is enabled).

Gain Limit: 0~15 (effective in Auto mode).

Metering: Average, Center, Bottom, Top (effective in Auto and Aperture Priority modes).

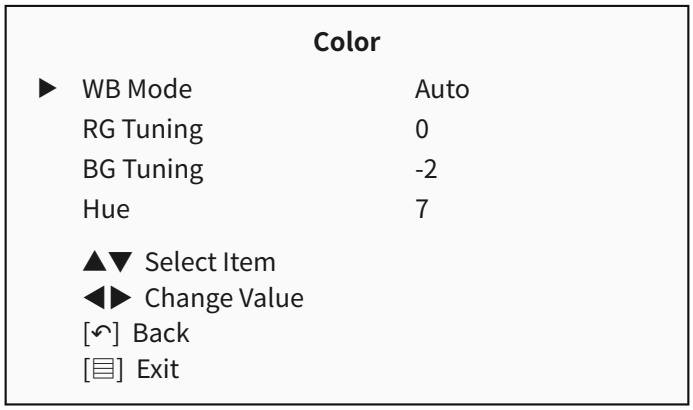
Backlight: On, Off (effective in Auto mode).

Shutter: 1/30s ~ 1/10000s (effective in Manual and Shutter Priority modes).

Gain Level: 0~7 (effective in Manual mode).

DRC: 0~8.

4.3.2. Color



WB Mode (White Balance Mode): Auto, One Push, Manual, VAR.

RG Tuning (Red Gain Tuning): -10~10 (effective in Auto, One Push, VAR mode).

BG Tuning (Blue Gain Tuning): -10~10 (effective in Auto, One Push, VAR mode).

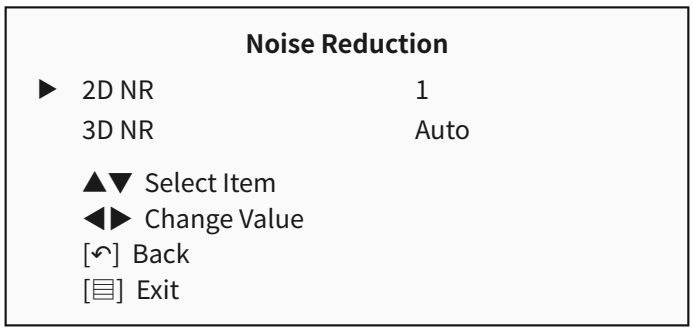
Red Gain: 0~255 (effective in Manual mode).

Blue Gain: 0~255 (effective in Manual mode).

Color Temperature: 2500K~8000K (effective in VAR mode).

Hue: 0~14.

4.3.3. Noise Reduction

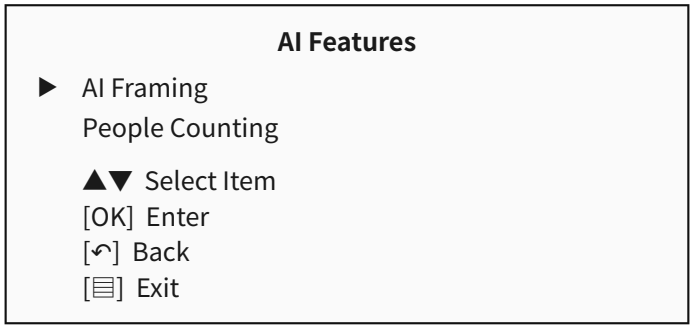


2D NR: Off, Auto, 1~5.

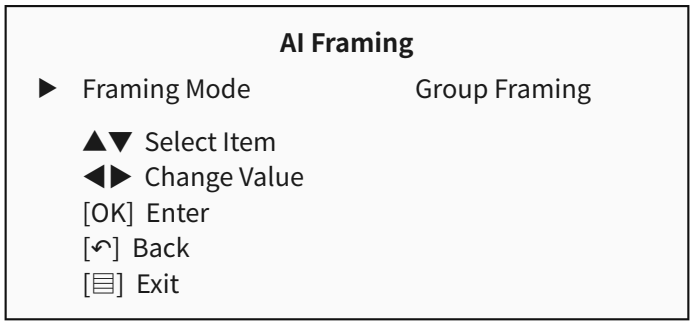
3D NR: Off, Auto, 1~8.

4.4. AI Features

Navigate to "AI Features" in the main menu using the cursor, then press [OK] to enter the AI features interface.



4.4.1. AI Framing



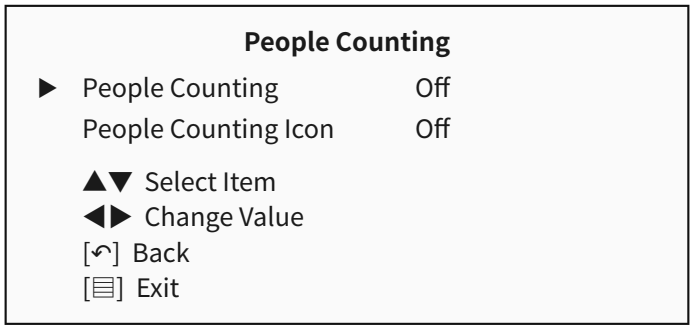
AI Mode: Off, Presenter Tracking, Smart Gallery, Speaker Framing, Group Framing.

Speaker Framing Effect: Discussion, Close-up (effective in Speaker Framing mode).

Transition Effect: Panorama, Close-up, Seamless Switching (effective in Speaker Framing mode).

Smart Gallery Preset: Default, Custom (effective in Smart Gallery mode).

4.4.2. People Counting

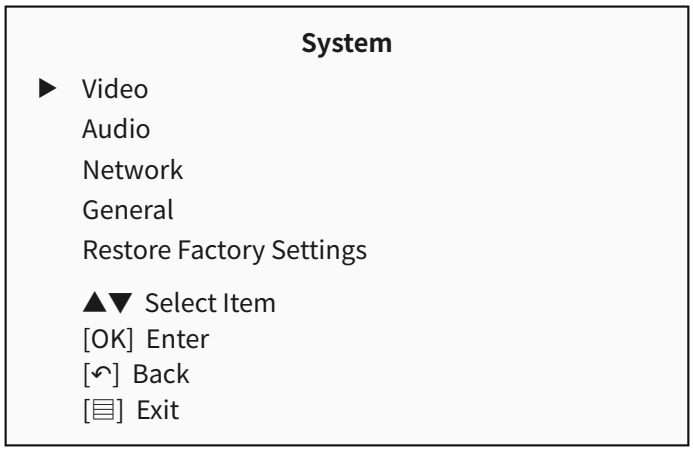


People Counting: On, Off.

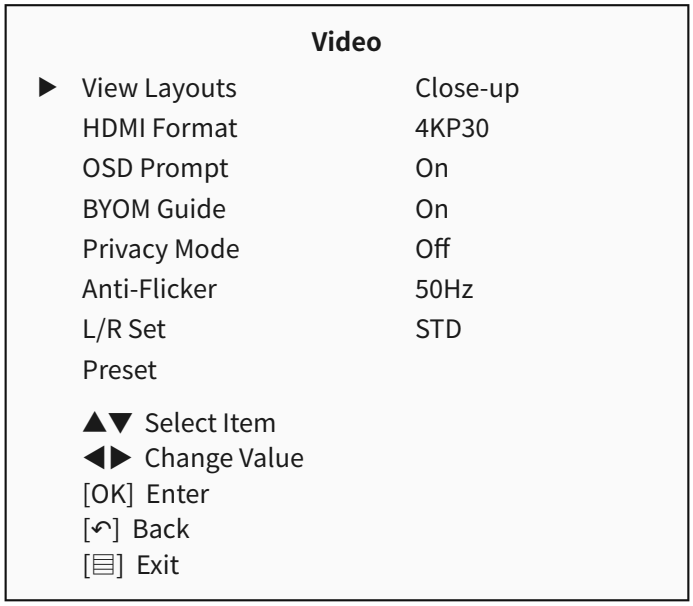
People Counting Icon: On, Off.

4.5. System

In the main menu, move the cursor to "System" and press [OK] to enter the system interface.



4.5.1. Video



View Layouts: Close-up, Panorama, Close-up_PIP_TR, Panorama_PIP_TR, Close-up_PIP_BC, Panorama_PIP_BC.

HDMI Format: 4KP30, 1080P60, 1080P30, 720P60.

OSD Prompt: On, Off (when set to "On", the interface displays prompts related to functions such as speaker tracking and setting/recalling preset positions).

BYOM Guide: On, Off.

Privacy Mode: On, Off (when set to "On", the interface displays a video-closed indicator, the close-up lens automatically moves to the lower-left privacy position, and the privacy cover of the panorama lens closes).

Anti-Flicker: Off, 50Hz, 60Hz.

L/R Set: STD, REV.

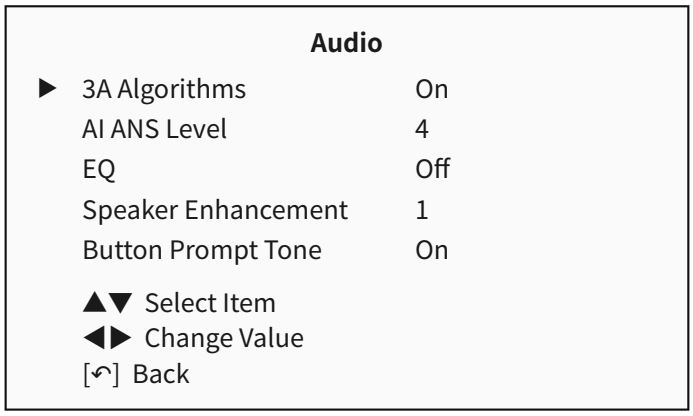
Preset: Image Freezes During Preset (On/Off), Preset PT Speed (0~24), Preset Zoom Speed (0~7).

NOTE

Privacy mode is also activated in the following situations:

- Opening/closing the camera in meeting software such as Microsoft Teams enters or exits privacy mode.
- During a meeting, opening the camera exits privacy mode; the device automatically enters privacy mode again when the meeting ends.

4.5.2. Audio



3A Algorithms: On, Off.

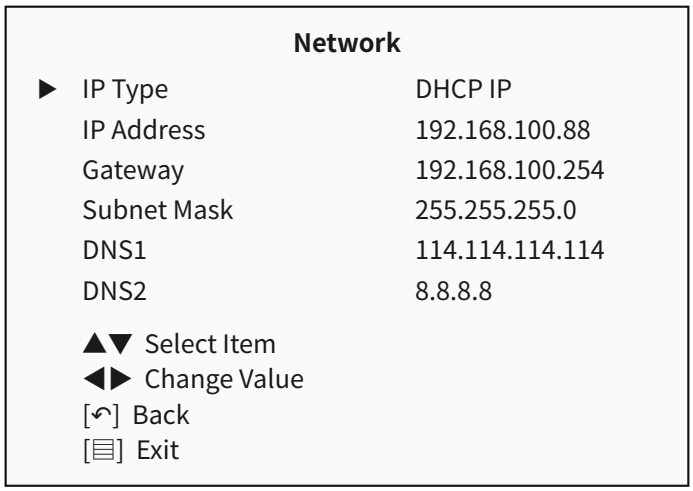
AI ANS Level: 0~8.

EQ: On, Off.

Speaker Enhancement: Off, 1~2.

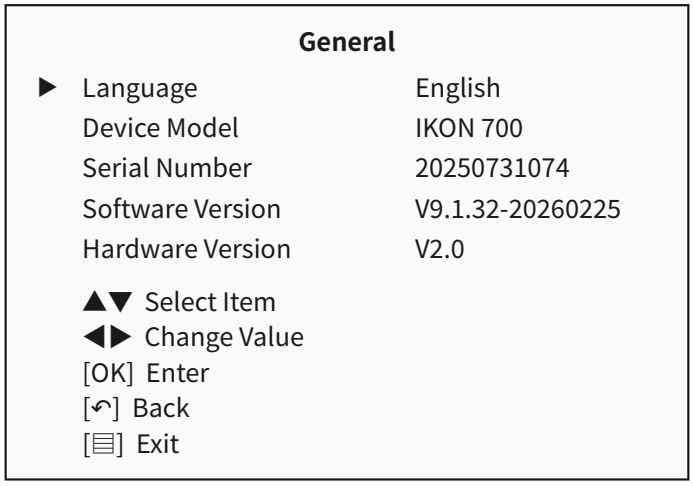
Button Prompt Tone: On, Off.

4.5.3. Network



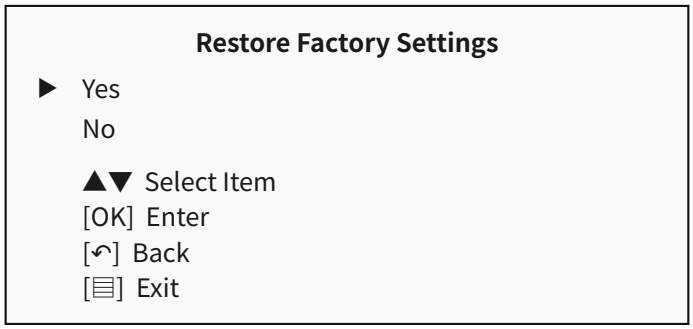
IP Type: DHCP IP, Static IP.

4.5.4. General



Language: Chinese, English.

4.5.5. Restore Factory Settings



Restore Factory Settings: Yes, No.

NOTE

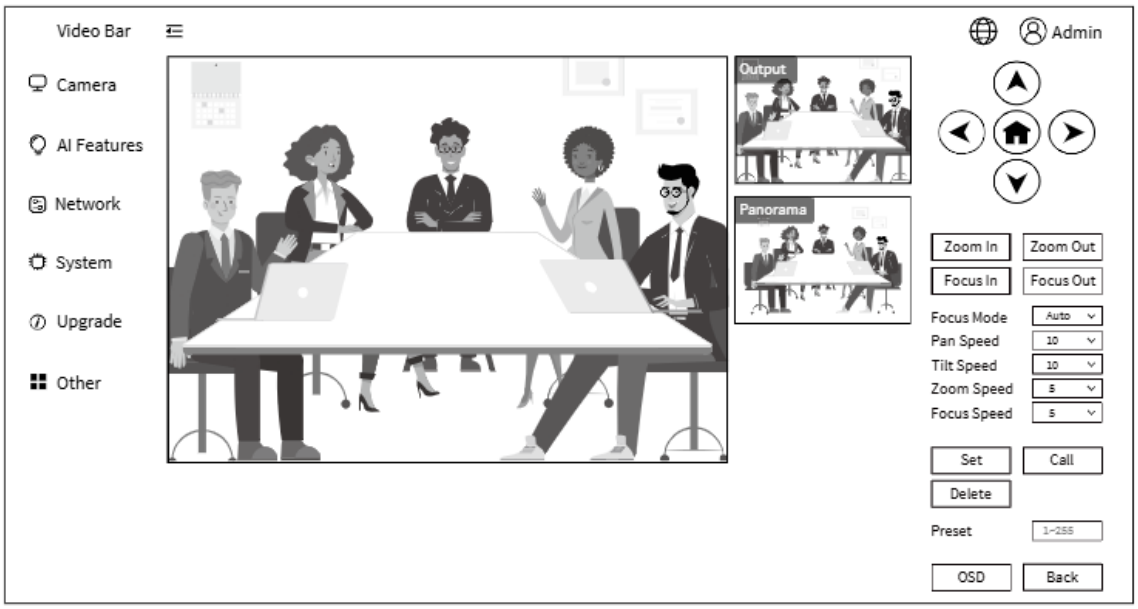
When "Yes" is selected and confirmed with the [OK] key, all parameters are restored to default.

The OSD menu and device information are subject to change without notice.

5. WEB Management Interface

5.1. Login Management

The system is compatible with browsers such as Microsoft Edge, Google Chrome and Firefox for accessing the web management interface. To access it, enter the IP address of the A&T IKON 700 into the browser's address bar (the address is assigned by DHCP by default; if DHCP fails, the default IP is 192.168.100.88). The login page will appear. Enter the username (default: admin) and password (default: admin), then click "Login" to enter the web management interface, as shown in the following image.



5.2. Home Page

5.2.1. Video Display Window

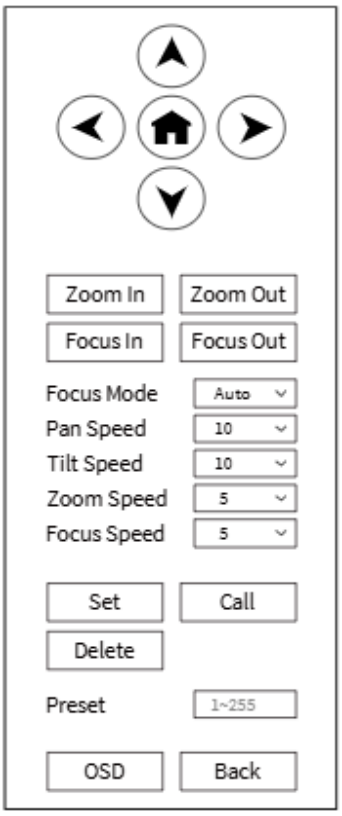
The video display window matches the video resolution: the larger the resolution, the larger the window. Double-click the display window to enter or exit full-screen mode. The status bar below the display window is shown below:



Pause key: Pause/resume the live preview.

Full screen key: Enter full-screen preview.

5.2.2. PTZ Function



Pan and Tilt Control: Click the arrow keys to turn the PTZ up, down, left and right; click the HOME key to return it to the middle position.

Zoom: Zoom In/Zoom Out the camera lens.

Focus: Focus In/Focus Out.

PTZ Speeds: The Pan speed can be set to 1~24; the Tilt speed to 1~20; the Zoom and Focus speeds to 1~7. Focus Mode can be set to Auto/Manual.

Presets: Use the arrow keys to turn the PTZ to the desired position, enter a preset number (0~255) in the preset box and click "Set" to save. To return to a preset, enter its number and click "Call". Click "Delete" to clear the saved preset.

OSD: Click "OSD" to show the on-screen menu in the upper-left corner of the video window. Use the up/down arrow keys to select a menu, click HOME to confirm and enter the sub-menu, and use the left/right arrow keys to change parameters. After making changes, click "Back" to save the settings and return to the previous menu.

5.2.3. Language and Admin

Language: Click the globe key to display the language box, then select "Chinese" or "English" to change the language of the webpage.

Home: Return to the home page of the WEB interface.

Logout: Exit to the WEB login page.

5.3. Camera (Output)

5.3.1. Exposure



Exposure Mode: Smart, Auto, Manual, Shutter Priority, Aperture Priority.

ExpComp Mode (Exposure Compensation Mode): On, Off (effective in Auto mode).

ExpComp (Exposure Compensation Value): -7~7 (effective when ExpComp Mode is On).

Gain Limit: 0~15 (effective in Auto, Aperture Priority mode).

Metering Mode: Average, Center, Bottom, Top (effective in Auto, Aperture Priority mode).

Backlight: On, Off (effective in Auto mode).

Iris: F1.8, F2.0, F2.4, F2.8, F3.4, F4.0, F4.8, F5.6, F6.8, F8.0, F9.6, F11.0, Close (effective in Manual, Aperture Priority mode).

Shutter: 1/30s ~ 1/10000s (effective in Manual, Shutter Priority mode).

Gain: 0~7 (effective in Manual mode).

DRC: 0~8.

5.3.2. Color



WB Mode (White Balance Mode): Auto, One Push, Manual, VAR.

R-Tuning (Red Gain Tuning): -10~10 (effective in Auto, One Push, VAR mode).

B-Tuning (Blue Gain Tuning): -10~10 (effective in Auto, One Push, VAR mode).

R-Gain: 0~255 (effective in Manual mode).

B-Gain: 0~255 (effective in Manual mode).

Color Temperature: 2500K~8000K (effective in VAR mode).

Hue: 0~14.

5.3.3. Image



Style: Standard, Custom.

Brightness: 0~14.

Contrast: 0~14.

Sharpness: 0~15, Auto.

Saturation: 60%~200%.

Gamma: Default, 0.45, 0.5, 0.56, 0.63, EXT.

2D NR (2D Noise Reduction): Off, 1~5, Auto.

3D NR (3D Noise Reduction): Off, 1~8, Auto.

5.3.4. Display



OSD Mirroring: On, Off.

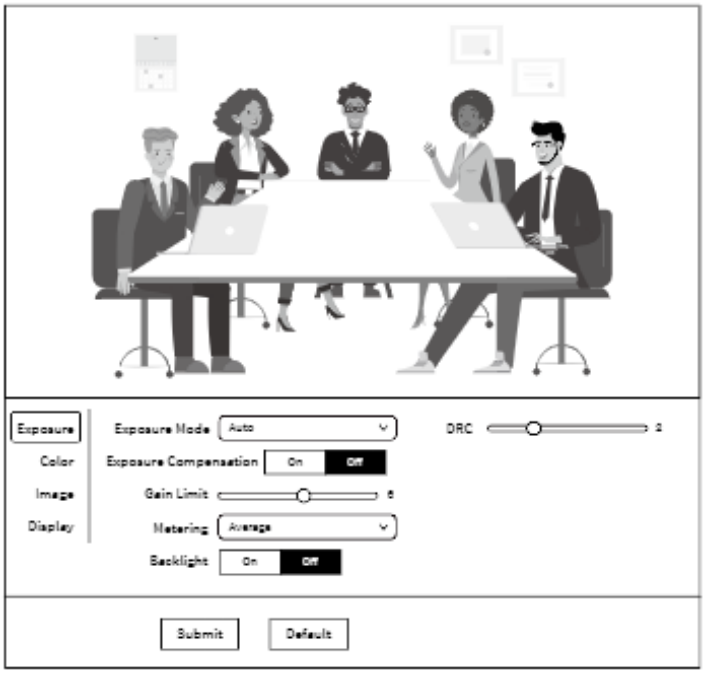
HDMI Format: 4KP30, 1080P60, 1080P30, 720P60.

OSD Prompt: On, Off.

View Layouts: Close-up, Panorama, Close-up_PIP_TR, Panorama_PIP_TR, Close-up_PIP_BC, Panorama_PIP_BC.

5.4. Camera (Panorama)

5.4.1. Exposure



Exposure Mode: Auto, Manual, Shutter Priority.

ExpComp Mode (Exposure Compensation Mode): On, Off (effective in Auto mode).

ExpComp (Exposure Compensation Value): -7~7 (effective when ExpComp Mode is On).

Gain Limit: 0~15 (effective in Auto mode).

Metering Mode: Average, Center, Bottom, Top (effective in Auto mode).

Backlight: On, Off (effective in Auto mode).

Shutter: 1/30s ~ 1/10000s (effective in Manual, Shutter Priority mode).

Gain: 0~7 (effective in Manual mode).

DRC: 0~8.

5.4.2. Color



WB Mode (White Balance Mode): Auto, One Push, Manual, VAR.

R-Tuning (Red Gain Tuning): -10~10 (effective in Auto, One Push, VAR mode).

B-Tuning (Blue Gain Tuning): -10~10 (effective in Auto, One Push, VAR mode).

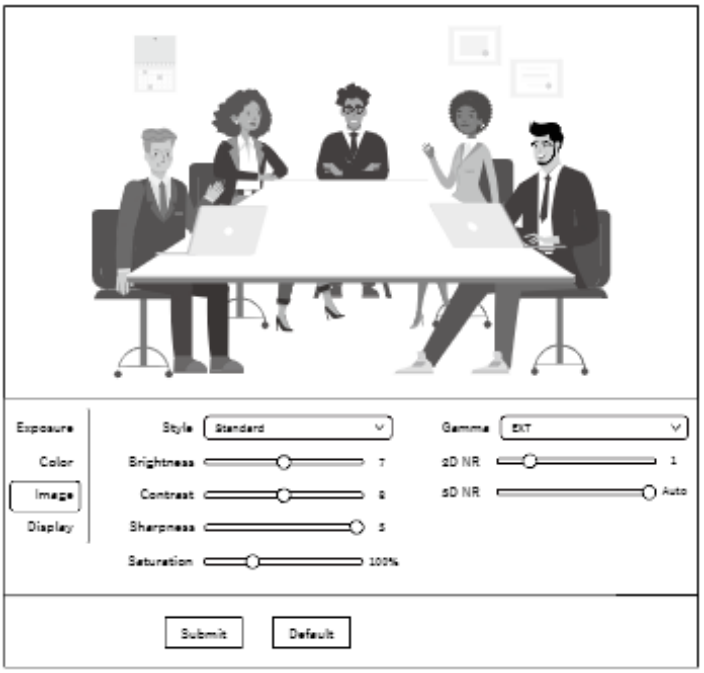
R-Gain: 0~255 (effective in Manual mode).

B-Gain: 0~255 (effective in Manual mode).

Color Temperature: 2500K~8000K (effective in VAR mode).

Hue: 0~14.

5.4.3. Image



Style: Standard, Custom.

Brightness: 0~14.

Contrast: 0~14.

Sharpness: 0~15, Auto.

Saturation: 60%~200%.

Gamma: Default, 0.45, 0.5, 0.56, 0.63, EXT.

2D NR (2D Noise Reduction): Off, 1~5, Auto.

3D NR (3D Noise Reduction): Off, 1~8, Auto.

5.4.4. Display



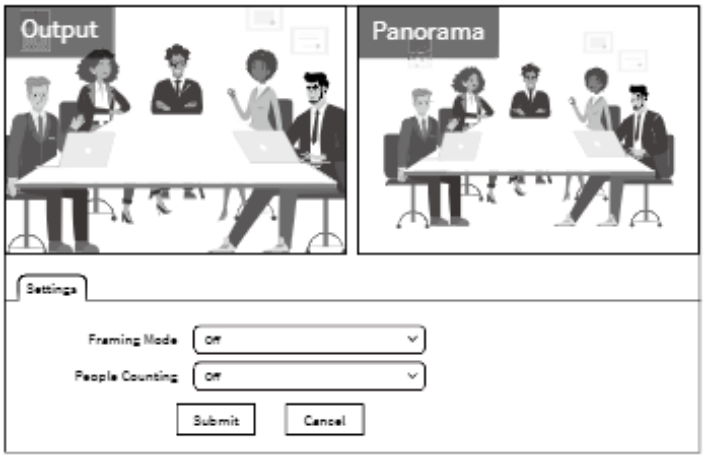
OSD Mirroring: On, Off.

HDMI Format: 4KP30, 1080P60, 1080P30, 720P60.

OSD Prompt: On, Off.

View Layouts: Close-up, Panorama, Close-up_PIP_TR, Panorama_PIP_TR, Close-up_PIP_BC, Panorama_PIP_BC.

5.5. AI Settings

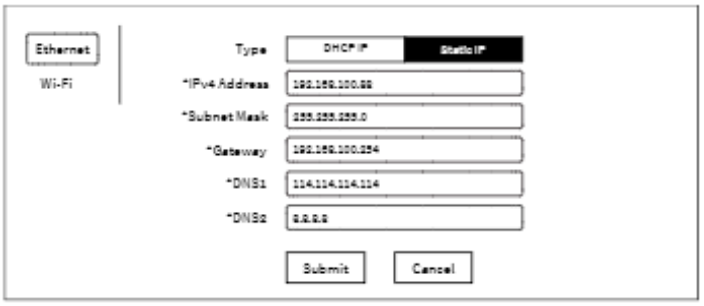


Framing Mode: Off, Group Framing, Speaker Framing, Smart Gallery, Presenter Tracking.

People Counting: On, Off.

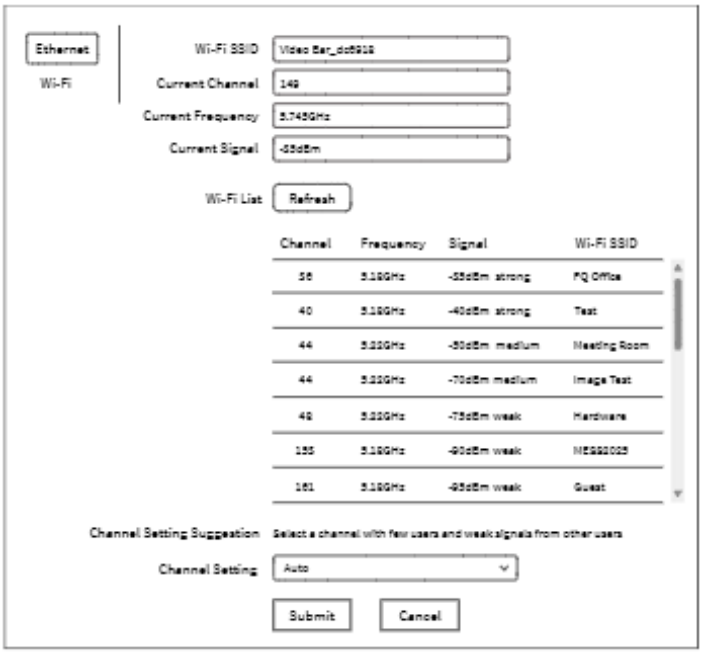
5.6. Network Settings

5.6.1. Ethernet



The IP address is assigned by DHCP by default; if DHCP fails, the default IP is 192.168.100.88.

5.6.2. Wi-Fi



Wi-Fi SSID: Displays the current Wi-Fi name.

Current Channel: Displays the current channel value.

Current Frequency: Displays the current frequency value.

Current Signal: Displays the current signal value.

Wi-Fi List: Click "Refresh" to refresh the Wi-Fi hotspot list.

Channel Setting: Auto, 36, 40, 44, 48, 153, 161.

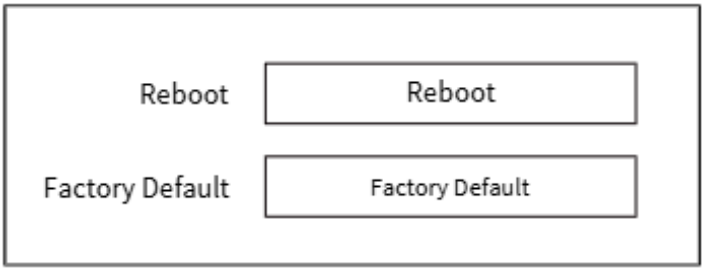
NOTE

The Wi-Fi SSID, Current Channel, Current Frequency and Current Signal cannot be changed.

When the Current Signal is 0 dBm, no other devices are connected to this device via the hotspot.

5.7. System Settings

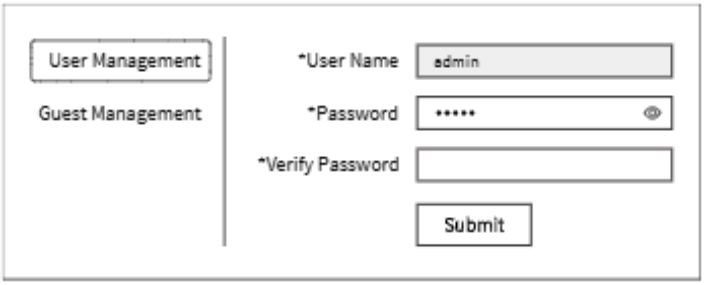
5.7.1. Initialize



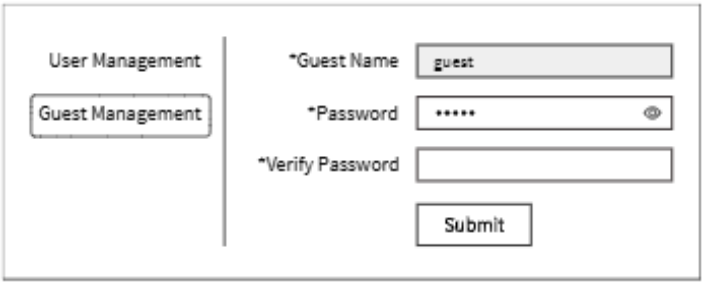
Reboot: Click "Reboot"; a prompt "Please press OK to reboot the camera." pops up. Select "OK" to restart the system.

Factory Default: Click "Factory Default"; a prompt "Would you like to restart and restore factory settings?" pops up. Select "OK" to restore the factory settings.

5.7.2. User



User Management: Change the user's login password (only letters, numbers and the symbols +-*/^$&_,. are supported).



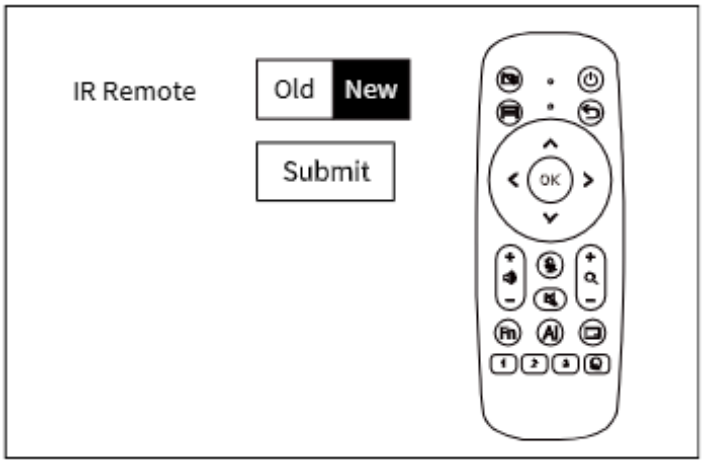
Guest Management: Change the guest's login password (only letters, numbers and the symbols +-*/^$&_,. are supported).

5.7.3. Log



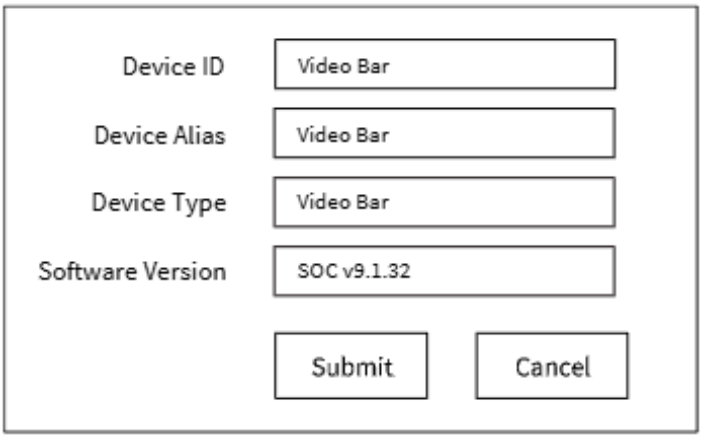
Click "Download Log" to download the logs to the local computer for system troubleshooting.

5.7.4. Remote Control Management



Select the IR remote type (Old / New) that matches the supplied remote control and click "Submit".

5.7.5. Device Information



Displays and edits the Device ID, Device Alias and Device Type, and shows the software version.

5.8. Upgrade

5.8.1. System Upgrade



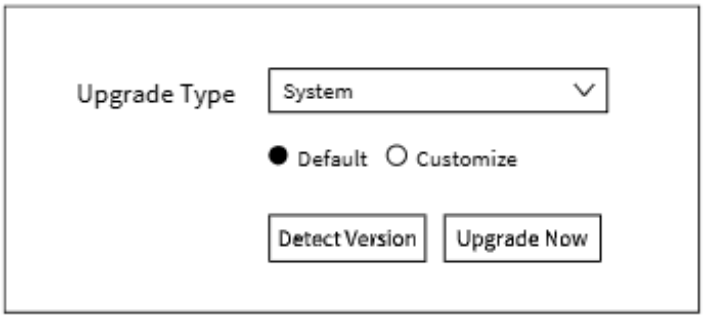
Drag the upgrade package into the system upgrade box, or click "Click to upload" to select the upgrade package, then follow the on-screen instructions to upgrade the system (only .img files are supported).

5.8.2. Accessory Upgrade



Select the accessory, then drag in or upload its upgrade package (.img file).

5.8.3. Online Upgrade



Upgrade Type: System, BYOM Pod, Expansion Mic. Click "Detect Version" to check for a new version, then "Upgrade Now".

NOTE

The online upgrade function is only available when the device is connected to the external network.

The WEB interface and device information are subject to change without notice.

6. Troubleshooting

6.1. Image

● The monitor shows no image.

1. Ensure that the power supply is connected, the voltage is normal, and the power indicator is always on.
2. Turn the power off and on again to check that the camera performs its self-test.
3. Ensure that the cable between the video platform and the TV is connected correctly.

● The image jitters after the camera is connected correctly.

1. Ensure that the camera is installed in a stable position.
2. Check whether any vibrating machinery or object is near the camera.

● There is no video image in the browser.

IE and IE-core browsers are not supported. The camera video image is displayed correctly in Google Chrome, Firefox, Microsoft Edge, etc.

● Unable to access the device through the browser.

1. Use a PC connected to the network to test whether network access is functional. Eliminate network faults caused by cables or viruses until the PC and the camera can pass the ping test.
2. Disconnect the network, connect the camera to the PC directly, and reset the PC's IP address if necessary.
3. Ensure that the IP address, subnet mask and gateway settings are correct.
4. Check whether the MAC address conflicts.

● Forgot the IP address or login password.

The device obtains an address via DHCP by default. If DHCP fails, the default IP is 192.168.100.88. Default username: admin. Default password: admin.

6.2. Control

● **Remote control malfunctioning.**

1. Check and replace with new batteries.
2. Ensure that the camera working mode is correct.

Important information

This manual records the precautions and product usage methods.
Please read and understand all the instructions before using the equipment.
The damage caused by failure to comply with the instructions is not covered by the warranty.

Maintenance & servicing

1. Please contact professional service personnel for all repair services.
2. Please do not insert any sharp object into the inside of the device.
3. Please do not drop or hit the device to avoid damaging it.
4. Do not rotate the camera head by hand; use the remote control or web interface to move it.

Statement

1. This manual is for reference only, and the actual function of the final product is subject to the actual function of the product received by the customer.
2. The picture is for reference only, please refer to the actual product. The company reserves the right to improve and change the appearance and design of the product without notice.

Manufactured in India by

A&T EXPERIENCE NEXT

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