Omni
User Manual

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HISTORY

VERSION	REMARK	EDITOR
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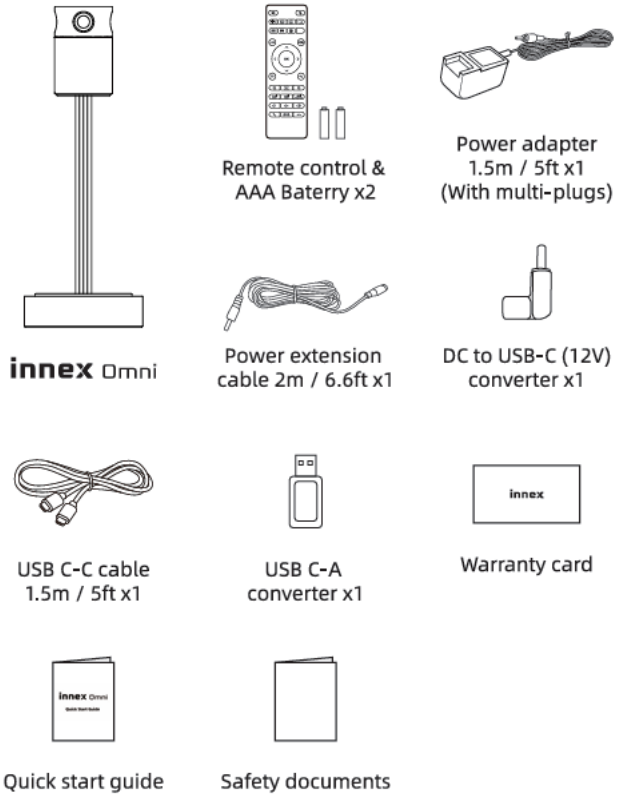
1 Introduction

The Omni is a cutting-edge 360° conference camera designed to elevate modern hybrid communication. Featuring four 4K lenses and advanced AI technologies, it delivers an immersive panoramic video experience while intelligently tracking speakers and voices for natural, engaging meetings. With built-in two-way noise cancellation and customizable audio/video modes, Omni ensures clear communication and seamless collaboration for teams of any size — whether in-room or remote.

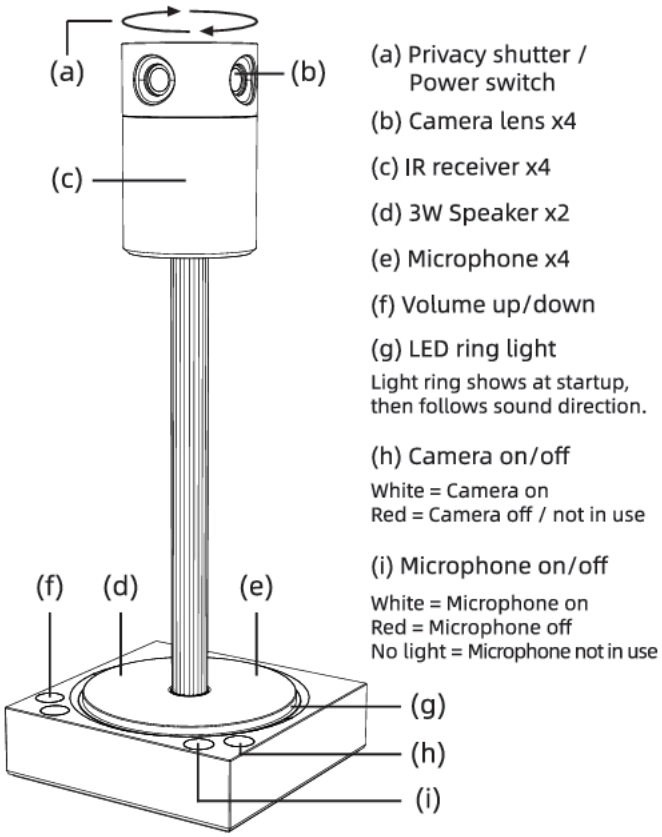
2 Package Content

Thank you for choosing OMNI. Please ensure that all the following items are included in the package.



3 Product

3.1 Overview



(a) Privacy shutter / Power switch

(b) Camera lens x4

(c) IR receiver x4

(d) 3W Speaker x2

(e) Microphone x4

(f) Volume up/down

(g) LED ring light

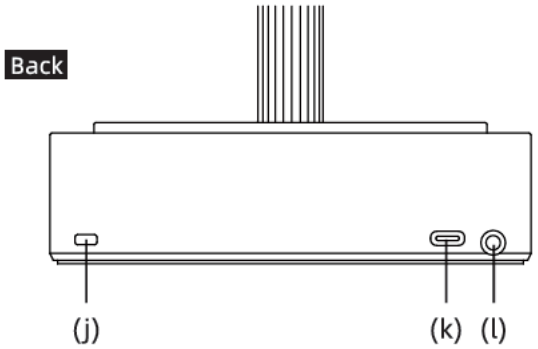
Light ring shows at startup, then follows sound direction.

(h) Camera on/off

White = Camera on
Red = Camera off / not in use

(i) Microphone on/off

White = Microphone on
Red = Microphone off
No light = Microphone not in use



(j) Kensington Nano Security Slot™

(k) USB-C port

(l) DC in

3.2 Remote Control

✧ **Notice: Ensure that the remote control is used within an effective operating range of 10 cm to 8 m.**

	Camera on/off		Microphone on/off
	Gallery		Speaker tracking
	Spotlight		Picture in picture
	Auto-framing		Conversation
	Focus zone		
HDR	HDR on/off	AB|BA	Mirror / Unmirror OSD
	Select / adjust	OK	Confirm
	Menu		Return
	Manual FOV		Zoom out
			Zoom in
	Microphone AI on/off		
	Speaker AI on/off		
	People tracking on/off		
	Vol -		Vol +
	Mute		Duplex mode on/off
	Pick up		Hang up

4 Installation & Setup

This section provides instructions for installing and setting up OMNI. Follow the steps below to ensure proper operation.

Recommended Room Size and Placement

OMNI is primarily designed for huddle spaces and small to medium-sized meeting rooms. For optimal audio and video performance, install the device in a meeting environment that matches these room types.

To achieve the best experience:

- ✓ Place OMNI at the center of the meeting table or an appropriate central location within the room.
- ✓ Ensure that all participants are seated within the effective pickup range of the microphones and within the camera's field of view.
- ✓ Avoid installing the device in large rooms or spaces that exceed the recommended room size, as this may affect audio pickup and speaker tracking performance.

Proper placement within a suitable room environment ensures accurate speaker detection, clear audio capture, and an immersive panoramic video experience.

Step 1: Place the Device

Place OMNI on a stable, flat surface on your meeting room table.

Ensure that:

- ✓ The device is positioned within the recommended operating range of the remote control.
- ✓ The camera lenses are unobstructed.
- ✓ The installation location allows adequate ventilation.

Step 2: Connect the Power

Connect the supplied power adapter to OMNI and plug it into a power outlet.

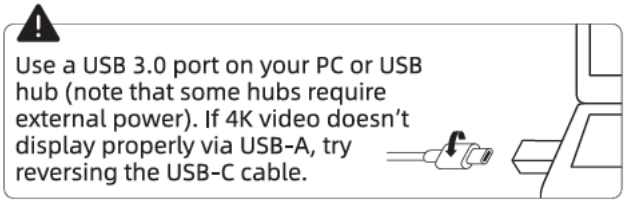
If the distance to the power outlet exceeds the length of the supplied power adapter, you may use the provided power extension cable to extend the distance up to 3 meters.

Use only the supplied power accessories or alternatives as described in the Power & Accessories section.

Step 3: Connect to a PC

Use the supplied 1-meter Type-C to Type-C USB cable to connect OMNI to your PC.

If your PC is equipped with a Type-A USB port, use the included Type-C to Type-A adapter to complete the connection.



If a longer cable is required, you may use:

- ✓ A longer Type-C cable that supports data transmission, or
- ✓ A Type-C to Type-A USB cable that complies with the USB 3.0 specification.

Step 4: Power On

Once all connections are complete, power on OMNI. The device will automatically initialize and be recognized by the connected PC.

Step 5: Select OMNI as the Audio and Video Device

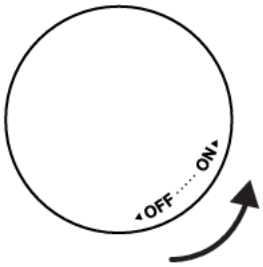
On your PC or conferencing application, select OMNI as the default camera, microphone, and speaker device.

OMNI is compatible with standard USB audio and video drives and does not require additional driver installation.

5 Operation

5.1 Basic Operation

5.1.1 Power On Using the Privacy Cover



The privacy cover on the upper camera also functions as the power switch for OMNI.

To power on the device:

- ✓ Rotate the privacy cover in the direction indicated on the cover.
- ✓ Opening the privacy cover will automatically turn on the device.

When the device is powered on:

- ✓ A dedicated OMNI startup sound will be played.
- ✓ The ring LED on the speaker will illuminate and flash three times.
- ✓ The camera status indicator will turn red.
- ✓ The microphone (MIC) indicator will remain off.

These indicators confirm that OMNI has been successfully powered on.

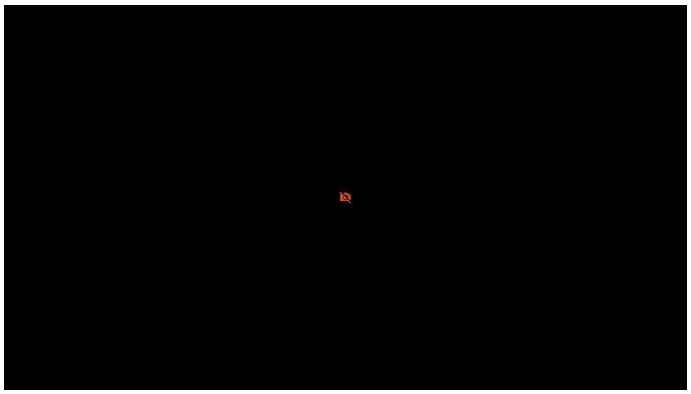
5.1.2 Camera on/off

The camera on/off function can be controlled using either the camera status touch button on OMNI device or the CAMERA button on the remote control.

When the camera is turned off:

- ✓ OMNI will display a black screen with a camera off icon.
- ✓ The camera status indicator on the device will illuminate red.

These indications confirm that the camera has been successfully disabled.



5.1.3 MIC mute/unmute

The microphone mute/unmute function can be controlled using either the MIC status touch button on OMNI or the MIC button on the remote control.

When the microphone is muted:

- ✓ A microphone mute icon will appear in the top-right corner of the display when the microphone is muted.
- ✓ The MIC status indicator on the device will illuminate red.

These indicators confirm that the microphone has been successfully muted.

5.1.4 Speaker Volume control

The speaker volume can be adjusted using either the volume up/down buttons on OMNI or the speaker volume up/down buttons on the remote control.

The ring LED on the device is divided into eight illuminated segments, which reflect the speaker volume level. The LED segments change in response to the Windows PC system volume, ranging from 0 to 100, providing a visual indication of the current volume level.

5.1.5 Speaker mute/unmute

The remote control includes a **Speaker Mute** button that allows you to mute the speaker with a single press.

To unmute the speaker, either:

1. Press the **Speaker Mute** button again, or
2. Press the **volume up** or **volume down** button on the remote control or the device.

These actions will restore the speaker's output to the previous volume level.

5.1.6 MIC Pickup AI

When MIC AI is enabled, OMNI significantly reduces non-voice sounds to enhance speech clarity. This includes sounds such as:

- ✓ Table tapping or knocking
- ✓ Keyboard typing
- ✓ Environmental noises (e.g., vacuum cleaners)
- ✓ Background music

MIC AI is designed to prioritize human voice and improve meeting audio quality.

If non-voice audio needs to be shared during a meeting, such as music or other sound effects, it is recommended to disable MIC AI to ensure that these sounds are properly captured and transmitted.

5.1.7 Speak Clarity AI

Speaker AI is designed to improve audio clarity when sound from remote participants contains excessive non-voice noise, which may make it difficult to clearly hear spoken content through OMNI.

When Speaker AI is enabled, OMNI filters out non-voice sounds from the incoming audio, allowing remote participants' voices to be reproduced more clearly. This helps enhance speech intelligibility and improves overall meeting efficiency.

Speaker AI is recommended for meeting environments where background noise from remote participants may interfere with clear communication.

5.1.8 People Tracking AI

People Tracking AI is enabled by default. When activated, OMNI continuously adjusts the camera framing based on participant movement and changes in the number of people in the meeting.

When People Tracking AI is disabled, OMNI performs single-time human detection only and does not continuously track movement. This setting is primarily applicable to Gallery Mode and Auto-Framing Mode.

Disabling People Tracking AI can help prevent unnecessary framing changes in scenarios such as:

- ✓ A person briefly entering the camera's field of view (FOV) during a meeting
- ✓ Participants making small movements while seated
- ✓ Gestures or body movements that may trigger frequent AI re-framing

By reducing frequent frame adjustments, this setting helps maintain a stable and distraction-free viewing experience for remote participants.

If People Tracking AI is disabled and you wish to perform a one-time human detection, press the OK button on the remote control. OMNI will then re-detect participants and update the framing accordingly.

5.1.9 Duplex Mode

Duplex Mode is enabled by default and is designed for discussion-based meetings, allowing participants on both sides to speak simultaneously while their voices are transmitted clearly to the other side.

When Duplex Mode is disabled, the speaker output level can be increased by approximately 6 dB. This configuration is recommended for non-discussion scenarios, such as one-way presentations or lectures, where only one participant is speaking at a time.

Selecting the appropriate Duplex Mode setting helps optimize audio performance based on the meeting format.

5.1.10 HRD

HDR is disabled by default.

HDR is primarily intended for meeting environments where OMNI is installed in a space with strong backlighting, such as rooms with large floor-to-ceiling windows, and where participants are positioned against a bright background.

When HDR is enabled, OMNI applies image processing to balance highlights and shadows, allowing both participants and background details to remain visible under high-contrast lighting conditions. This helps improve overall image clarity and visibility in challenging lighting environments.

5.1.11 OSD mirror

In some conferencing applications, the local video preview may be mirrored, which can cause on-screen display (OSD) text and icons to appear reversed when entering the settings menu.

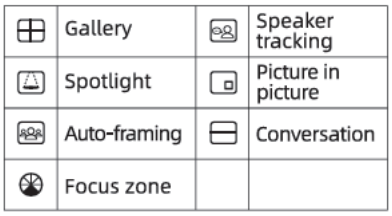
To improve usability without changing the mirror settings of the conferencing software, OMNI provides an OSD Mirror option. When enabled, the OSD elements are mirrored accordingly, allowing menus, text, and icons to be displayed in a correct and readable orientation for easier operation.

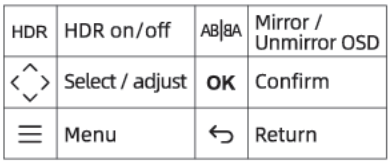
This feature ensures convenient and accurate menu navigation even when the conferencing software's mirror function remains enabled.

5.1.12 Omni usage mode overview

OMNI provides multiple usage modes designed for different meeting scenarios. These modes can be switched with a single press using the remote control.

Detailed descriptions and functions of each mode are provided in the next section.





Default Settings

- ✓ Gallery Mode is set as theI default viewing mode.
- ✓ MIC AI is enabled.
- ✓ Speaker AI is disabled.
- ✓ Auto Tracking is enabled.
- ✓ HDR is disabled.
- ✓ Duplex Mode is enabled.

These default settings are optimized for typical huddle spaces and small to medium-sized meeting rooms.

5.2 Led Indicated Introduction

OMNI is equipped with multiple LED indicators to display the current operating status of the camera, microphone, speaker, and audio pickup behavior.

The following section explains the meaning of each LED status.

Camera LED

LED Status	**Description**
Red	- The camera is **not connected to a PC**, or is connected but **not currently being accessed by any application**. - The camera has been **turned off** using the device button or the remote control, and a **black screen** is displayed.
White	The camera is **actively in use** by a conferencing application.

Microphone (MIC) LED

LED Status	**Description**
Off	The camera is **not connected to a PC**, or is connected but **not currently being accessed by any application**.

LED Status	Description
White	The microphone is **actively in use** by a conferencing application.
Red	The microphone has been **muted** using the device button or the remote control.

Ring LED (Speaker / Audio Pickup / Volume Indicator)

LED Behavior	Description
Full ring flashing	The device is **powering on**.
Segmented illumination (8 segments)	Displays the **current speaker volume level** during volume adjustment. The 8 segments correspond to the **Windows PC system volume (0–100)**.
Partial area flashing	Indicates the **current microphone audio pickup area**.
Fixed illuminated area	Indicates the configured **Focus Zone** for audio pickup in **Focus Zone Mode**.

These LED indicators provide clear and intuitive visual feedback, allowing users to quickly understand the device status, audio behavior, and current operating mode of OMNI.

5.3 Camera mode Introduction

OMNI is equipped with edge-based AI capabilities, enabling a variety of intelligent usage modes without relying on cloud processing. However, the AI processing capacity at the device level is subject to inherent performance limitations.

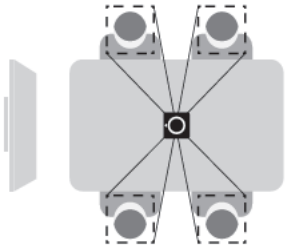
The camera's human detection and tracking AI is optimized for meeting scenarios with approximately 10 to 12 participants.

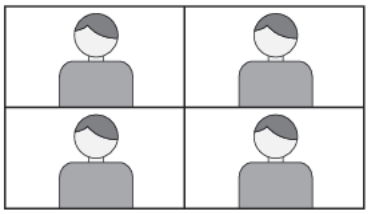
If the number of participants in the meeting space exceeds 12, the use of AI-enabled modes is not recommended, as performance may be affected.

For larger meetings or crowded environments, it is recommended to use Conversation Mode or Manual Mode to ensure stable and consistent operation.

5.3.1 Gallery mode

(~10 people)





When Gallery Mode is activated, a Gallery Mode icon will appear in the top-left corner of the display and remain visible for approximately 1.5 seconds before disappearing.

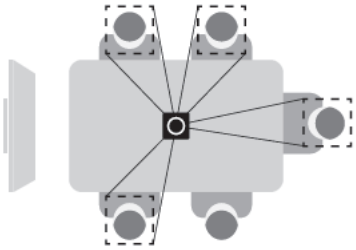
Gallery Mode supports a maximum of six individual frames on the screen.

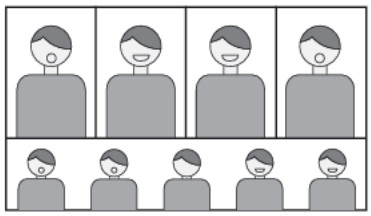
In meetings with fewer than six participants, OMNI detects each person in the room and assigns an individual frame to each participant, providing a more immersive and balanced meeting experience.

If the meeting includes more than six participants, or if the angular distance between participants is less than 30 degrees, OMNI will automatically merge participants into shared frames to ensure that all participants are visible within the six available frames.

5.3.2 Speaking Tracking mode

(~12 people)





When Speaking Tracking Mode is activated, a Speaking Tracking Mode icon will appear in the top-left corner of the display and remain visible for approximately 1.5 seconds before disappearing.

Speaker Tracking integrates video analysis with beamforming audio technology to accurately detect and follow active speakers.

In this mode, the display layout is structured as follows:

- ✓ The lower portion of the screen displays a 360° panoramic view of the meeting space.
- ✓ The upper portion of the screen displays up to four speaker frames.

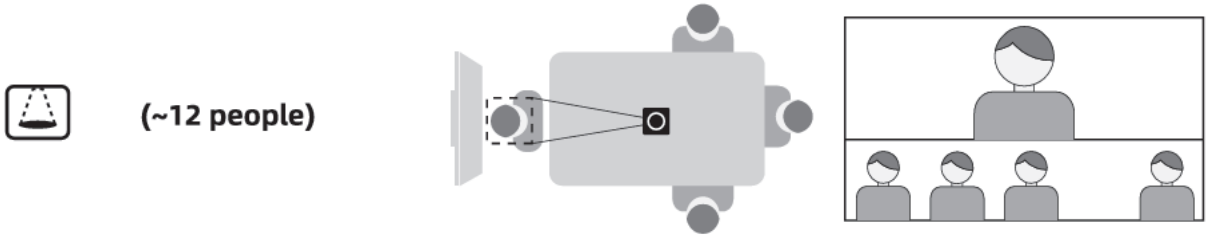
When the first participant begins speaking, the speaker's video frame appears in the upper section.

As additional participants speak, the display dynamically expands from two frames up to four frames.

When all four speaker frames are occupied and a fifth participant begins speaking, the new speaker's video frame will replace the participant who has been inactive for the longest time, ensuring that the most relevant speakers remain visible.

The video frame of the currently active speaker is highlighted with a green border, providing a clear visual indication of the speaker in focus.

5.3.3 Spotlight mode



When Spotlight Mode is activated, a Spotlight Mode icon will appear in the top-left corner of the display and remain visible for approximately 1.5 seconds before disappearing.

Spotlight Mode is designed for meeting scenarios with a single primary speaker, such as presentations or lectures, where the speaker may move around within the presentation area. In this mode, the camera actively tracks the selected speaker using video-based tracking.

The display layout is structured as follows:

- ✓ The lower one-third of the screen displays a 360° panoramic view of the meeting space.
- ✓ The upper portion of the screen displays the video of the selected speaker.

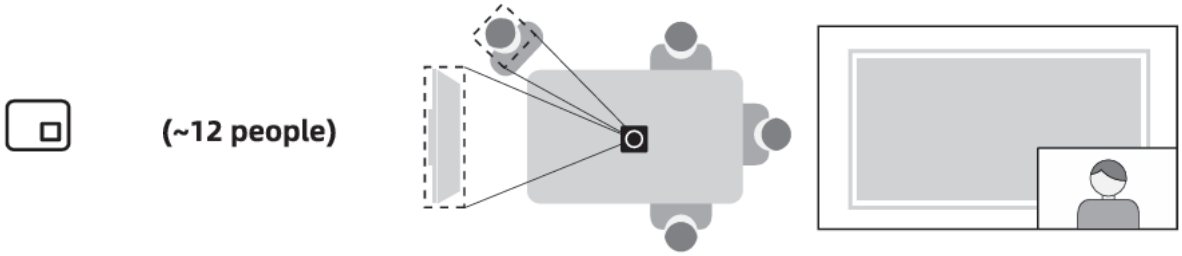
When Spotlight Mode is enabled, the initial display shows the 360° panoramic view. A green selection frame will appear on the screen. Use the directional buttons on the remote control to select the desired speaker, then press the OK button to enter Spotlight Mode.

Once selected, OMNI will continuously track the speaker as long as:

- ✓ The speaker remains within the camera's field of view (FOV), and
- ✓ The speaker's body does not overlap significantly with other participants.

Under these conditions, OMNI is able to maintain stable and accurate tracking of the speaker as they move.

5.3.4 Picture in picture Mode



When Picture in picture Mode is activated, a Picture in picture Mode icon will appear in the top-left corner of the display and remain visible for approximately 1.5 seconds before disappearing.

Picture-in-Picture (PiP) Mode is designed for scenarios where a primary speaker needs to be shown together with shared content, such as a whiteboard or presentation area.

When PiP Mode is activated, the display initially shows a 360° panoramic view. A green selection frame will appear on the screen, allowing you to use the directional buttons on the remote control to select the participant to be displayed in the PiP window. After confirming the selection, PiP Mode will be enabled.

In PiP Mode:

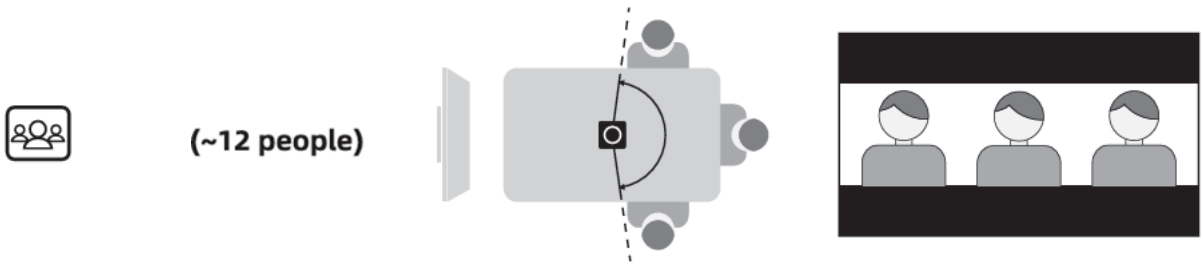
- ✓ The main (large) view can be repositioned using the directional buttons on the remote control.
- ✓ The Zoom In / Zoom Out buttons can be used to adjust the size of the main view.
- ✓ The participant displayed in the PiP window will continue to be tracked automatically if movement occurs.

Tracking performance is maintained as long as the selected participant:

- ✓ Remains within the camera's field of view (FOV), and
- ✓ Does not significantly overlap with other participants.

Under these conditions, OMNI can reliably capture and track the selected participant while simultaneously sharing additional visual content.

5.3.5 Auto-framing Mode



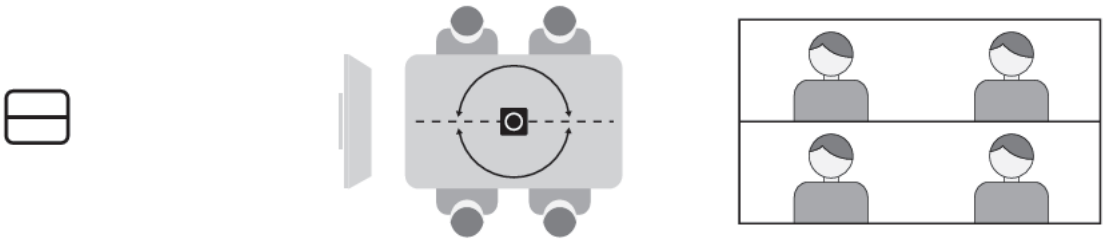
When Auto-framing Mode is activated, an Auto-framing Mode icon will appear in the top-left corner of the display and remain visible for approximately 1.5 seconds before disappearing.

Auto-Framing Mode automatically adjusts the camera view to keep all participants centered within the frame.

As OMNI is a 360° panoramic camera, it intelligently analyzes the meeting space and removes unused or empty areas from the image. The system dynamically crops and repositions the view to ensure that all detected participants are centered while eliminating unnecessary blank regions.

This mode provides a clean and balanced composition, allowing remote participants to focus on the meeting without distraction from unused space.

5.3.6 Conversation Mode



When Conversation Mode is activated, a Conversation Mode icon will appear in the top-left corner of the display and remain visible for approximately 1.5 seconds before disappearing.

Conversation Mode is a non-AI mode designed for meeting scenarios where participants are seated on opposite sides of a long table, such as negotiation or discussion settings.

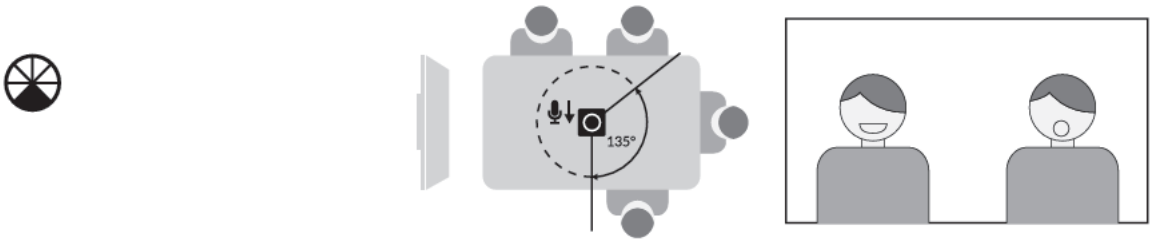
In this mode, the display is split into two 180° views, allowing participants on both sides of the table to appear on the screen simultaneously.

To use Conversation Mode correctly, please ensure that:

- ✓ The side of OMNI with the power connector and Type-C port is facing the front of the table, where the display or TV is located.

If fine adjustment of the 180°–180° split is required, you may use the directional buttons on the remote control to adjust the splitting reference line, ensuring optimal framing for both sides of the table.

5.3.7 Focus Zone Mode



When the Focus Zone Mode button is pressed, a Focus Zone Mode icon will appear in the top-left corner of the display.

The default audio pickup angle in Focus Zone Mode is 90°.

Each subsequent press of the Focus Zone Mode button will cycle the pickup angle as follows:

- ✓ 90°
- ✓ 135°
- ✓ 180°

These three angles cycle sequentially. After the desired pickup angle is selected, the Focus Zone Mode icon will remain visible for approximately 1.5 seconds before disappearing.

Once the pickup angle is confirmed:

- ✓ The ring LED on the device will illuminate to indicate the corresponding pickup direction and angle.
- ✓ The camera field of view (FOV) will automatically adjust to match the illuminated LED region, capturing a 90°, 135°, or 180° view accordingly.

At this stage, you may use the directional buttons on the remote control to fine-tune the pickup direction.

As the pickup direction is adjusted:

- ✓ The ring LED will update accordingly.
- ✓ The camera FOV will adjust in real time to match the selected audio pickup area.

Audio Pickup Behavior

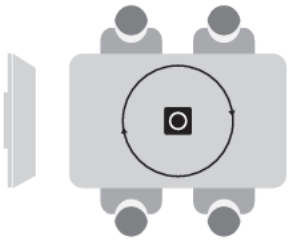
Focus Zone Mode follows the principle of “what you see is what you hear.”

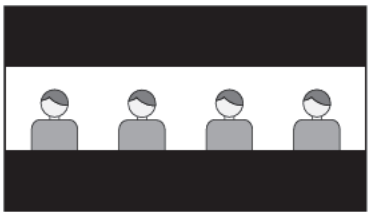
Only voices within the selected pickup area will be captured by the microphones.

Please note that if voices outside the pickup area are closer to or louder than the voices within the pickup area, audio pickup performance may be affected, and voices within the intended pickup area may not be captured as expected.

Focus Zone Mode Angle	Ring LED Indication	Camera FOV	Audio Pickup Behavior
90°	LEDs illuminate to indicate a **90° directional zone**	Camera captures a **90° field of view**	Only voices within the 90° pickup area are captured
135°	LEDs illuminate to indicate a **135° directional zone**	Camera captures a **135° field of view**	Voices within the 135° pickup area are captured
180°	LEDs illuminate to indicate a **180° directional zone**	Camera captures a **180° field of view**	Voices within the 180° pickup area are captured

5.3.8 Manual Mode





When the Manual Mode button is pressed, a Manual Mode icon will appear in the top-left corner of the display.

Manual Mode allows full manual control of the camera field of view (FOV).

When entering Manual Mode for the first time, the display shows a 360° panoramic view. You may use the directional buttons on the remote control to adjust the center position of the panoramic view, and use the Zoom In / Zoom Out buttons to adjust the FOV.

If Manual Mode retains the previously used FOV settings, pressing the Manual Mode button again will clear the stored settings and return the display to the 360° panoramic view.

This mode provides maximum flexibility for users who prefer precise and manual control of the camera framing.

5.4 Settings

Press the Menu button on the remote control to enter the Settings menu of OMNI.

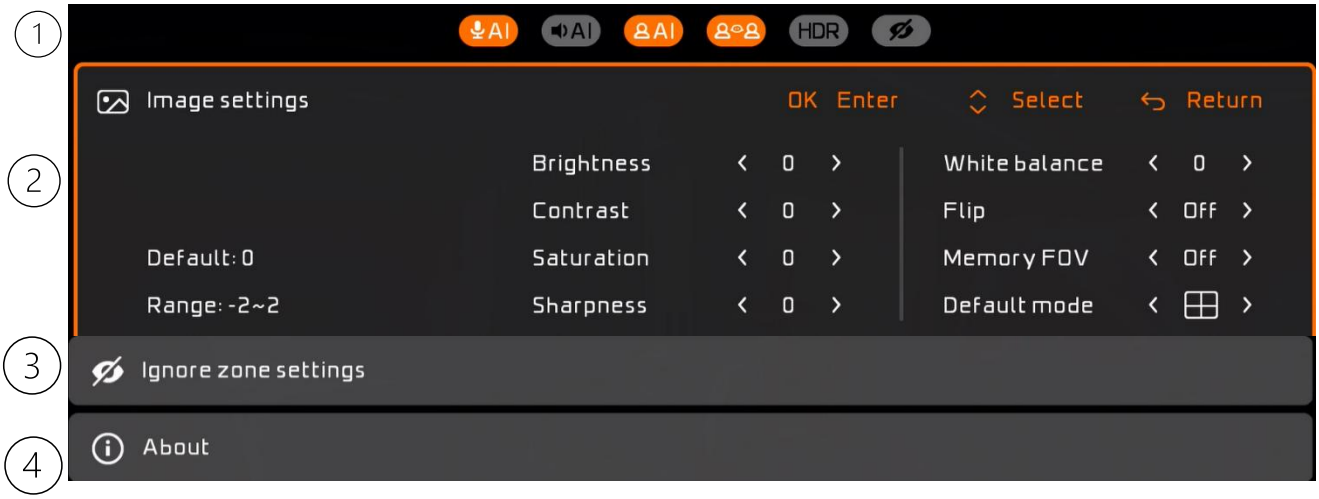
The Settings menu is divided into the following sections:

1 Status Bar
2 Image Settings
3 Ignore Zone Settings
4 About

Use the Up and Down directional buttons on the remote control to navigate between sections 2 ~ 4.

To enter a selected setting, press the OK button.

To exit the current menu or return to the previous level, press the Return button.



5.4.1 Status Bar

The Status Bar displays the on/off status of OMNI's key features, allowing users to quickly understand the current system configuration.

An orange icon indicates that the corresponding feature is enabled.

A gray icon indicates that the corresponding feature is disabled.

This visual design provides a clear and intuitive overview of the current feature status.

5.4.2 Image settings

Within the Image Settings menu, use the Up and Down directional buttons to select an image adjustment option.

To modify a selected setting:

- ✓ Press the OK button to enter adjustment mode.
- ✓ Use the Left and Right directional buttons to adjust the setting value.

After completing the adjustment, press the Up or Down directional button to exit the adjustment mode and move to another setting.

This navigation method allows users to efficiently adjust multiple image settings within the Image Settings menu.

5.4.2.1 Image adjustments

Although the image settings of OMNI are optimized by default to provide the best overall performance, different meeting environments may require manual image adjustments to achieve optimal visual results.

OMNI provides the following image parameters for manual adjustment.

Each parameter has a default value of 0 and can be adjusted by ±2 levels.

Once adjusted, the selected settings will be saved and applied automatically the next time OMNI is powered on.

The adjustable image parameters include:

- ✓ Brightness
- ✓ Contrast
- ✓ Saturation
- ✓ Sharpness
- ✓ White Balance

These controls allow users to fine-tune the image output to match specific lighting conditions and room environments.

5.4.2.2 Flip

If OMNI is installed upside down, such as when mounted on the ceiling, the image can be rotated by 180 degrees using the Flip function.

Once the Flip setting is enabled, the image orientation will remain flipped even after power cycling or restarting OMNI.

The Flip setting will continue to be applied unless one of the following actions is performed:

A factory reset is executed, or

The Flip setting is manually changed in the Image Settings menu.

This feature ensures correct image orientation for ceiling-mounted installations without requiring repeated configuration.

5.4.2.3 Memory FOV

Memory FOV determines whether OMNI retains the field of view (FOV) settings for Manual Mode and Conversation Mode after the device is powered off.

When Memory FOV is enabled, OMNI will store and restore the last configured FOV positions of Manual Mode and Conversation Mode after a power cycle.

When Memory FOV is disabled, OMNI will reset the FOV to the default state for Manual Mode and Conversation Mode after the device is powered off and restarted.

This setting allows users to choose between retaining customized camera views or restoring the default configuration after each restart.

5.4.2.4 Default mode

Default Mode defines the camera mode that is automatically activated when OMNI powers on.

The factory default setting is Gallery Mode.

This setting can be modified to select a different camera mode, which will then be applied as the startup mode after power cycling or restarting OMNI.

This allows users to configure OMNI to start in the most suitable mode for their specific meeting environment.

5.4.3 Ignore Zone settings

Ignore Zone Settings allow users to define specific areas within the camera's field of view that should be excluded from AI detection and tracking.

This feature is useful in meeting environments where there may be:

Walkways or entrances behind participants

Areas with frequent movement unrelated to the meeting

Background activity that may trigger unnecessary AI detection

By configuring Ignore Zones, OMNI can avoid detecting people or motion in these areas, helping to maintain stable framing and reduce unwanted camera adjustments during meetings.

Configuring an Ignore Zone

Use the Up / Down directional buttons on the remote control to navigate to the Ignore Zone Settings page.

Press the OK button to enter the settings page.

The Ignore Zone bar will be highlighted in orange, indicating that it is selected.

Use the Left / Right directional buttons to turn Ignore Zone On or Off.

Once Ignore Zone is enabled, press the OK button to enter adjustment mode.

Use the Up / Down / Left / Right directional buttons to adjust the angle and position of the ignore zone.

The preview area at the bottom of the screen displays the current position and coverage of the ignore zone in real time.

To exit the Ignore Zone Settings, press the Return button to go back to the previous menu.

Ignore Zone Memory

To retain the configured ignore zone after a power cycle, set Memory to On using the Left / Right directional buttons.

When Memory is enabled:

- ✓ The previously configured ignore zone will be preserved and restored after OMNI is powered off and restarted.

If an ignore zone has been configured, a visual ignore zone overlay will be displayed on the 360° panoramic view when Speaker Mode is active. This overlay indicates the current ignore zone area for reference.

This feature helps users confirm that the ignore zone is active and correctly applied during operation.

5.4.4 About

The About page provides system information and basic configuration options for OMNI.

This page displays:

- ✓ The device serial number
- ✓ The firmware version of the device

OSD Language

You can also change the OSD (On-Screen Display) language from this page.

The currently supported languages include:

- ✓ English
- ✓ French
- ✓ German
- ✓ Spanish
- ✓ Italian
- ✓ Portuguese
- ✓ Polish
- ✓ Traditional Chinese
- ✓ Japanese

To change the OSD language:

A. Use the directional buttons to select the language option.
B. Press the OK button to enter the language list.
C. Use the Up / Down directional buttons to select the desired language.
D. Press OK to confirm, or press Return to cancel and go back to the previous menu.

Factory Reset

The About page also provides the option to perform a factory reset.

Notice: Performing a factory reset will restore all settings to their factory default values,

Except for the OSD language, which will be retained.

Use this function with caution, as all customized configurations will be cleared.

6 Production Specifications

Camera

Sensor Resolution	8 Megapixels
Camera Sensor Quality	4
Camera Senor	½.9" CMOS
Stitching Technology	Dynamic Real-Time Stitching Technology
Resolution & Frame Rate	3840x2160@30fps
	2560x1440@30fps
	1920x1080@30fps
	1280x720@30fps
	640x360@30fps
Video Format	MJPG; YUY2
Minimum Focus Distance	60cm /2ft
Max. Output Field of View	Horizontal 360˚; Vertical: 60˚
HDR	YES
Image AI	Support human body detection and framing
Flicker	60Hz(Default)
Auto White Balance	Yes
Auto Exposure	Yes
Camera Embedded Mode	1. Gallery (Default mode) 2. Speaker tracking 3. Spotlight 4. Picture in Picture 5. Auto-Framing 6. Conversation 7. Focus zone; 90˚,135˚,180˚ 8. Manual (EPTZ)

Microphone

DOA Microphone	4 mics
Audio AI	AI Voice communication
Automatic Gain (AGC)	Yes
Active Nosie Suppression (ANS)	Yes
AI Noise Cancellation	Yes
AI Beamforming	Yes

Far Field Voice	Yes
Acoustic Echo Cancellation	Yes
De-reverberation	Yes
Bi-Direction Noise Cancellation	Yes
Sensitivity	94dB SPL@1KHZ Min:29, Typ:26,Max.:23dBFS
Signal to Noise Ratio	65db
Pickup Distance	80dB up to 5m/16.5ft
Response Frequency	40Hz to 20KHz (AEC, MIC AI off) 40Hz to 8KHz (AEC,MIC AI On)

Speaker

Max. Output Power	3W*2
Sensitivity	92±3dB@0.5m
Speaker Impedance	4 Ω
Speaker Frequency Range	100Hz – 20KHz (Speaker AI off) 100Hz – 8KHz (Speaker AI on)

Ports

DC in	1
USB-C	1 (3.0)

Others

Power Consumption	12V 1.5A (Max.)
Touch Buttons	1. Camera on/off
	2. Microphone on/off
	3. Volume up
	4. Volume down
Dimension	140x140x380mm/ 5.5x5.5x15in
Weight	930g/2.1lb
Kensington Nano Security Slot	Yes
Package Contents	Remote control x1. Battery (AAA)x2, Power adapter (with multi-plugs types)1.5m/5ftx1 DC to USB-C (12V) converter x1 USB C-C cable 1.5m/5ftx1 Quick Start Guide x1 Warranty card x1 Safety documents