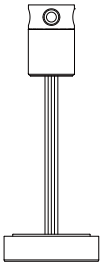
innex Omni

Quick Start Guide

Package Contents



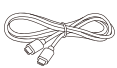
innex Omni

Remote control &
AAA Baterry x2

Power adapter
1.5m / 5ft x1
(With multi-plugs)

Power extension
cable 2m / 6.6ft x1

DC to USB-C (12V)
converter x1



USB C-C cable
1.5m / 5ft x1

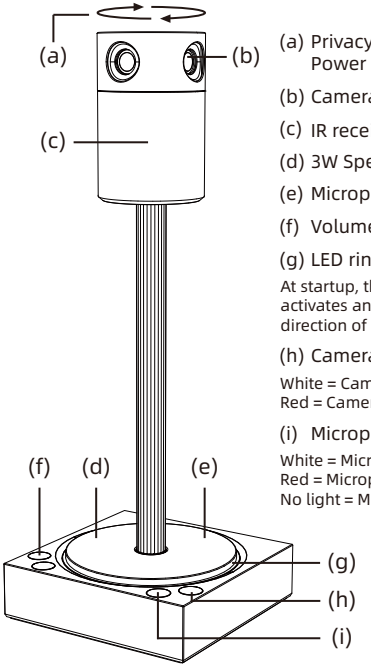
USB C-A
converter x1

Warranty card

Quick start guide

Safety documents

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

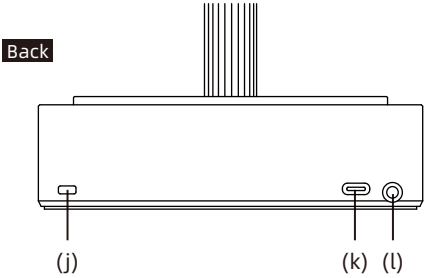
At startup, the light ring activates and tracks the direction of sound.

(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

If the AC adapter is too short, please use the included power extension cable.

Power extension cable 2m / 6.6ft

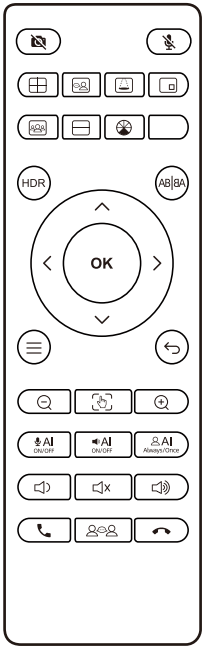
To supply power via USB-C instead of the power adapter, use the included DC to USB-C adapter.

DC to USB-C (12V) converter

*Ensure that the USB-C power source can provide sufficient power for the Innex Omni.

Remote control

*Use the remote control within 10cm to 8m from the device.



	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

AI ON/OFF	Microphone AI on/off
AI ON/OFF	Speaker AI on/off
AI Always/Once	People tracking on/off

	Vol -		Vol +
	Mute		Duplex mode on/off
	Pick up		Hang up

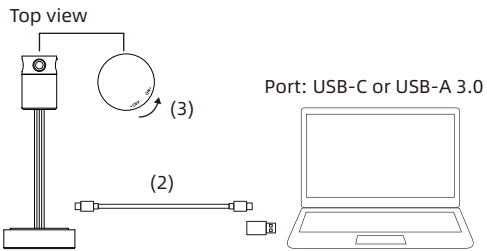
Getting started

(1) Connect the power adapter to Innex Omni and a wall outlet.

(2) Connect to your PC with the USB-C cable. Or use the C-A adapter for USB-A 3.0 ports.

(3) Turn the privacy shutter to power on the device.

(4) The camera starts in Gallery Mode. Use the remote to switch modes or change the default in Settings.



Use a USB 3.0 port on your PC or USB hub (note that some hubs require external power). If 4K video doesn't display properly via USB-A, try reversing the USB-C cable.

Built-in AI for Smarter Meetings

Microphone Pickup AI

AI ON/OFF

The built-in Mic AI enhances voice clarity by filtering out unwanted noise.
If you need to capture ambient sounds or music, please turn this feature off.

Speaker Clarity AI

AI ON/OFF

Speaker AI reduces remote noise and enhances human voices for a more immersive meeting.

People Tracking AI

AI Always/Once

People Tracking AI automatically follows participants in real time to keep them in view. To fix the view on a participant without continuous tracking, switch to Track Once mode. Press OK to retrack when needed.

Duplex Mode

For two-way discussions, turn on “Duplex Mode” to ensure clear and smooth communication. Turn it off when only one side is speaking

Ignore Zone

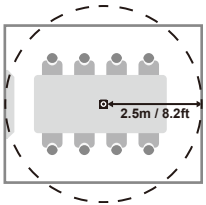
In semi-open spaces, use the Ignore Zone to prevent the AI from tracking people who are not participating in the meeting.

Optimal AI Performance

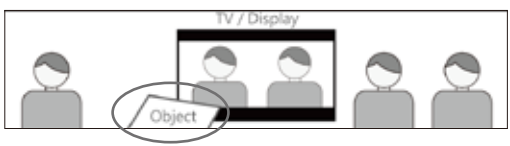
Ideal Coverage for AI Modes

With an effective coverage within a 2.5m / 8.2ft detection radius.

AI modes are recommended to be used in small sized to medium-sized conference rooms.



AI Detection Behavior

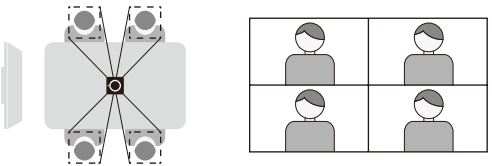


The AI is designed to detect real people in the room, not those displayed on a monitor. However, any obstruction between the camera and the display may affect its accuracy.

AI-Driven Video Modes

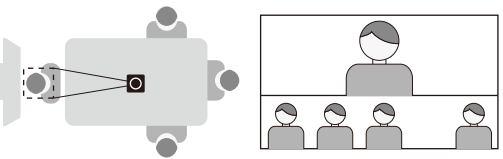
Gallery (~10 people)

Gallery Mode shows a close-up box for each person. People sitting close together will share one box. Recommended for meetings with fewer than 10 people.



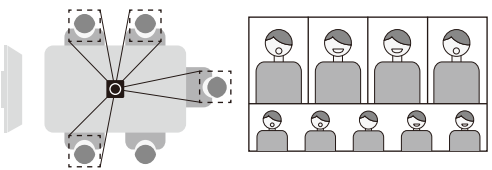
Spotlight (~12 people)

In Spotlight mode, you can pin and track a selected person in the top view, while a 360° panoramic view is displayed at the bottom.



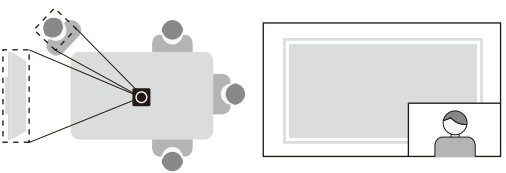
Speaker tracking

Speaker Tracking mode automatically frames and displays up to four active speakers at the top, with a 360° panoramic view shown at the bottom.



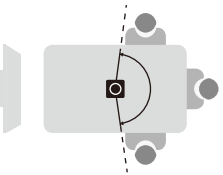
Picture in picture (~12 people)

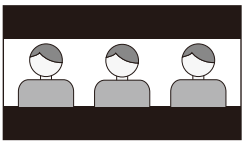
Pin and track a selected person in the window at the bottom-right corner. Use the arrow and zoom button to set the main view.



Auto-framing

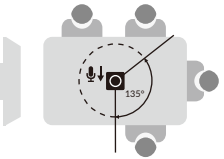
Auto-framing adjusts the view to keep people in frame and crops out unnecessary areas.

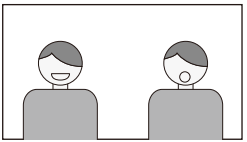




Focus zone

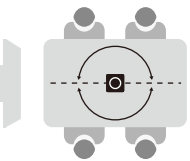
Focus Zone allows you to set a preferred viewing angle while minimizing sounds from outside that range. Available options: 90°, 135°, or 180°.

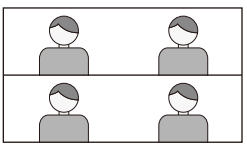




Coversation

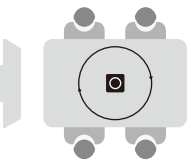
Conversation mode splits participants from both sides into two equal 180° views.

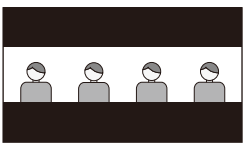




Manual mode

In Manual mode, you can freely control your view within the 360° scene using the arrow and zoom buttons.





More Features & Settings

HDR mode *Enabling HDR may reduce the frame rate.

HDR makes the image clearer and more balanced in different lighting. You can easily turn it on or off with the remote control.

Recommended for:
- Rooms with strong backlight
- Spaces with direct sunlight or uneven lighting
- High-contrast environments
- Conference rooms with mixed lighting sources

Image settings

Press the Menu button on the remote to enter the Settings menu.

In the Settings menu, you can adjust image quality, including brightness, contrast, saturation, sharpness, and white balance. You can also flip the image, save your preferred view, and change the default video mode.

Status bar

At the top of the Settings page, you can see status indicators showing whether the key features are turned on or off.

Specification

Camera

Sensor Resolution	8 Megapixels
Camera Sensor Quantity	4
Camera Sensor	1/2 9" CMOS
Stitching Technology	Dynamic Real-Time Stitching Technology
Resolution & Frame Rate	3840 x 2160 @30fps (Panoramic View)
	2560 x 1440 @30fps
	1920 x 1080 @30fps
	1280 x 720 @30fps
	640 x 360 @30fps
Minimum Focus Distance	60 cm / 2 ft
Max. Output Field of View	Horizontal: 360° ; Vertical: 60°
HDR	Yes
Image AI	Support human body detection and framing
Flicker	60 Hz (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. Manul (EPTZ)

Microphone

DOA Microphone	4 mics
Audio AI	AI Voice Communication
Automatic Gain Control (AGC)	Yes
Active Noise Suppression (ANS)	Yes

AI Noise Cancellation	Yes
AI Beamforming	Yes
Far Field Voice	Yes
Acoustic Echo Cancellation	Yes
De-reverberation	Yes
Bi-Directional Noise Cancellation	Yes
Sensitivity	94dB SPL @1KHZ Min.: 29, Typ.: 26, Max.: 23 dBFS
Signal to Noise Ratio	65dB
Pick Up Distance	80dp 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 x2
Sensitivity	92±3dB @0.5m
Speaker Impedance	4 ohm
Speaker Frequency Range	100Hz to 20KHz (Speaker AI off) 100Hz to 8 KHz (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	140 x 140 x 380mm / 5.5 x 5.5x 15 in
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 / 5ft x1, Power extension cable 2m / 6.6ft x1, DC to USB-C (12V) converter x1, USB C-C cable 1.5m / 5ft x1, USB C-A converter x1, Quick Start Guide x1, Warranty card x1, Safety documents

For any product related question please visit
www.funtechinnovation.com/faq