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DVDO-C9-1-G

4K 360° All-in-One Camera with IP / USB-C

User Manual

Version v1.0

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.



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

FCC Regulatory Conformance:



This device complies with Part 15 of the FCC Rules. The operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

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

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



This product is herewith confirmed to comply with the requirements set out in the Council Directives on the Approximation of the laws of the Member States relating to Electromagnetic Compatibility Directive 2014/30/EU.

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1 Safety Precautions

- During the installation and operation, all electrical safety regulations of the country and region of use must be strictly observed.
- Please use the 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 or press the head of the camera by hand, as this may cause mechanical failure.
- To avoid heat build-up, please keep smooth ventilation around the device.
- If the device smokes, smells, or makes noises, please turn off the power and unplug the power cord immediately, then contact the dealer in time.

- This device is not waterproof, please keep the device dry.
- This product has no user-serviceable parts, damage caused by the user's disassembly is not covered by the warranty.



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

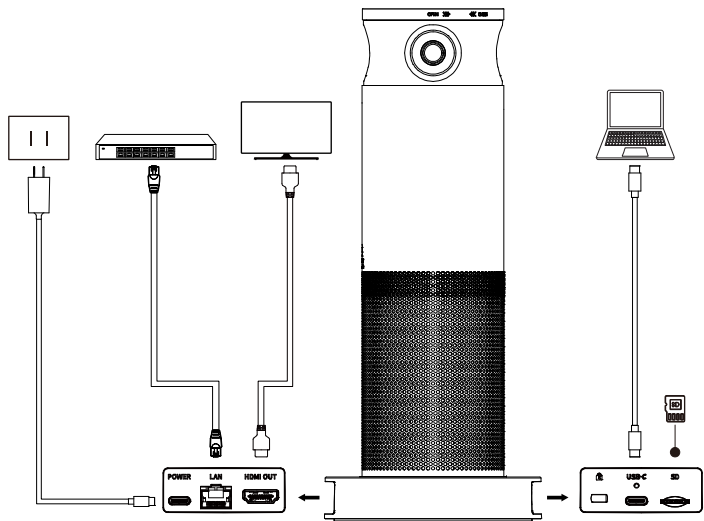
2 Packing List

Name	Quantity
Camera	1
PD Power Adapter	1
Power Cable	1
USB Cable	1
Quick Start Guide	1

3 Quick Start

3.1 Connections

The cable connection contains optional configurations and for reference only. Please connect the cables according to actual needs.



When the camera is connected to both PD power adapter and PC, it supports reverse charging for the PC.

3.2 Screen Sharing

Use a USB cable to connect the PC (with Type-C port for screen sharing) to the USB-C port of the camera, then press the “Sharing” button on the camera to start screen sharing. The PC screen will then be displayed on the display.

4 About the Product

4.1 Features

- **Seamless 360° View with 4K Clarity**

Four synchronized lenses work together to deliver panoramic room coverage, seamlessly combines multiple lenses into a single 360° panoramic view, with the option to switch to a 270° mode when needed—all while maintaining crisp 4K video and consistent image clarity.

- **One-Cable BYOM, Works the Way You Do**

DVDO-C9-1-G supports BYOM (Bring Your Own Meeting), giving teams the freedom to run meetings on any platform they prefer. Click, share, and collaborate instantly. One USB cable handles content sharing, device connection, and PD charging, creating a cleaner and simpler meeting experience. Unlike traditional room systems, the DVDO-C9-1-G doesn't limit you to one ecosystem. Use Zoom, Teams, Google Meet, or any platform you prefer.

- **360° Smart Gallery, Flexible Multi-View Layouts**

Powered by AI including facial recognition, sound source tracking, and intelligent gallery, DVDO-C9-1-G supports layouts such as 2 x 180° panoramic, Grid layout, Speaker + Grid layout, Single Speaker layout, adapt instantly with one-touch switching.

- **AI Video Fencing for Cleaner Framing**

AI automatically detects and excludes people shown on in-room displays, preventing duplicate framing and keeping focus on real participants only. Custom exclusion zones also help block distractions like posters, glass walls, or passersby, delivering cleaner, more accurate AI close-ups for remote attendees.

DVDO-C9-1-G captures full-face shots of every attendee, unlike traditional video bars that may only show side profiles in some cases. This enables truly equal meetings – where every person, regardless of where they sit in the room, is seen as an equal participant by remote colleagues, not just the person at the head of the table.

- **Intelligent 360° Audio Capture, Clear Audio in Every Direction**

6-element MEMS microphone array, 360° Voice Pickup. Covers up to 5.5m in radius (11m diameter), Every voice is captured clearly, with background noise and echoes intelligently removed for cleaner conversations. Paired with a full-range speaker, it delivers 360° sound coverage for effective communication.

- **Designed with Privacy in Mind**

Stay in control of your privacy at all times. A built-in manual rotating cover provides a clear, physical barrier for the lens. Simply twist to open or close. No ambiguity, no guesswork. Just visible protection whenever you need it.

- **Simple and Smarter IT Operations**

PoE-enabled plug-and-play deployment with remote web management-minimizing cabling and simplifying every installation.

4.2 Specifications

Camera	
Output Format	● HDMI: 4KP30, 1080P30, 720P30 ● USB: Up to 4KP30
Image Sensor	4 x 1/2.8-inch CMOS
Lens	4 × Ultra-wide fixed-focus
Focal Length / Aperture	f=3mm, F2.3
Zoom	3x HD digital zoom
Shutter	1/30s – 1/10000s
Minimum Illumination	0.5 Lux @ (F2.3, AGC ON)
Focus	Auto, Manual
Exposure	Auto, Manual, Shutter Priority, Brightness Priority
White Balance	Auto, Manual, One Push, Specified Color Temperature
Backlight Compensation	Supported
Digital Noise Reduction	2D & 3D digital noise reduction
Signal-to-Noise Ratio	≥50dB
Stitched Horizontal FOV	360° / 270° switchable (horizontal)
Single Lens FOV	117° (H), 62° (V)
EPTZ	Supported
Privacy Cover	Built-in Manual Rotating
Microphone	
Type	6-MEMS Omnidirectional Array (Beamforming)
Pickup Range	5.5m (Effective), 3m (Clear)
Frequency Response	50Hz – 20kHz
Sensitivity	-38dBFS
Signal-to-Noise Ratio (SNR)	65dB(A)
Speaker	
Driver Type	1 × 1.5" Full-Range, Dual-Diaphragm Acoustic Chamber
Rated Power / Impedance	6W/4Ω (max power 8W)
Frequency Response	50Hz - 20kHz
Max SPL	82dB(A) @ 1m
THD	< 3%

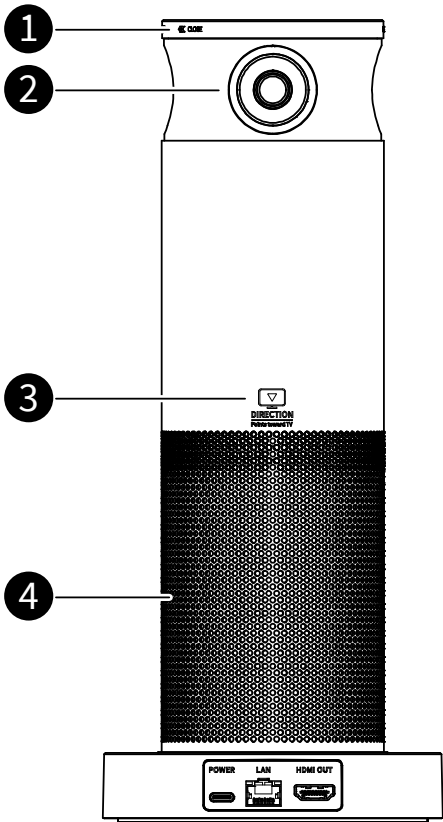
AI Enhanced Features	
AI Noise Suppression (ANS)	Supported
AI Echo Cancellation (AEC)	Supported
AI Dereverberation (DER)	Supported
AI Gain Control (AGC)	Supported
I/O Interfaces	
USB Type-C	1 × USB 3.2 Gen1 Type-C (Up to 40W PD Reverse Power Delivery)
HDMI Out	1 × HDMI 2.0 (Video + Audio)
Network Port	1 × RJ45 (10/100/1000 Mbps, PoE IEEE 802.3at, remote management)
Storage	1 × Micro SD (Reserved)
Power Input	1 × USB-C PD input (65W, optional 100W)
USB Features	
Connection Type	USB 3.2 Gen1, 5Gbps, supports DP ALT mode, backward compatible with USB 2.0
Video Pixel Format	YUY2 / NV12
Color Space / Compression	MJPEG / YUY2 / H.264
USB Video Output	Up to 4KP30
USB Casting Input	● USB-C (3.2 DP) up to 4KP30 ● USB-A (3.0) up to 1080P30
Audio Encoding Format	PCM
Audio Sample Rate	48kHz / 16-bit
USB Audio	UAC1.0
USB Video Class (UVC)	UVC1.1
UVC EPTZ Control	Supported
AI Framing Modes	
Panoramic Stitching	Supported, 360° / 270° modes
360° Smart Gallery	● Grid layout: Supports up to 8 split-screen ● Grid+Panoramic layout: Up to 4 split-screen cells + 1 panoramic view ● Panoramic layout: 2x180° layout ● Speaker+Grid layout: 1 large speaker view + 4 fixed small views + 1 panoramic view ● Single Speaker layout: Full-screen view showing the active speaker
Video Fencing	Supported, AI automatically detects and excludes participants displayed on in-room screens, or allow custom-defined video ignore zone.

System Compatibility	
Supported OS	● Windows 10 and later ● Mac OS 10.0 and later ● Linux (with UVC support)
System Requirements	● 2.4 GHz Intel® Core processor or higher ● 2GB RAM or more ● USB 2.0 or higher (4K requires USB 3.0)
Cloud Platform Compatibility (BYOM)	Microsoft Teams / Zoom / Google Meet / Cisco Webex / VooV Meeting / DingTalk Meeting / Lark Meeting
Installation	
Installation Methods	Tabletop, Tripod
Security	Kensington Lock Slot
General Specifications	
Power Supply (PD)	● Input: AC 100–240V, 50/60Hz ● Output: PD 20V/3.25A (Max)
PoE Power Supply	IEEE 802.3at, 48V/0.5A
Power Consumption (Avg/Max)	16W / 24W
Temperature	● Operating: 0°C ~ 40°C ● Storage: -40°C ~ 60°C
Humidity	10% - 95%
Dimensions (L x H x D)	128mm x 128mm x 302mm
Net Weight	1.3 Kg
Certifications	CE, FCC, UKCA, REACH, ROHS, WEEE

Note: product features and specifications are subject to change without notice.

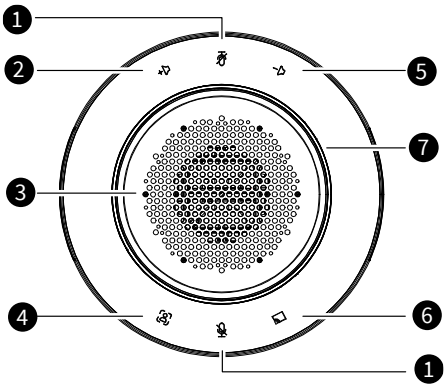
4.3 Product Views

4.3.1 Front View



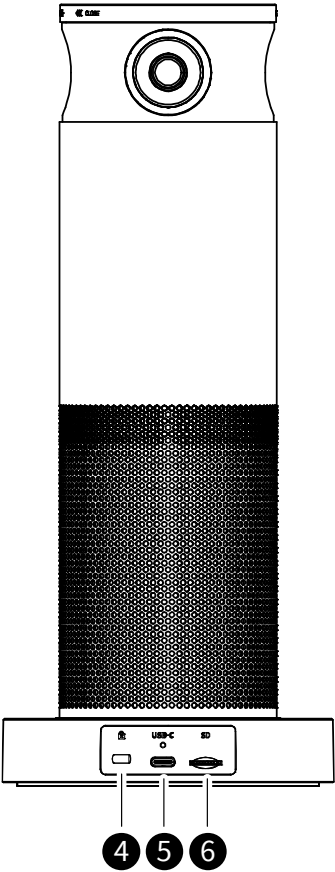
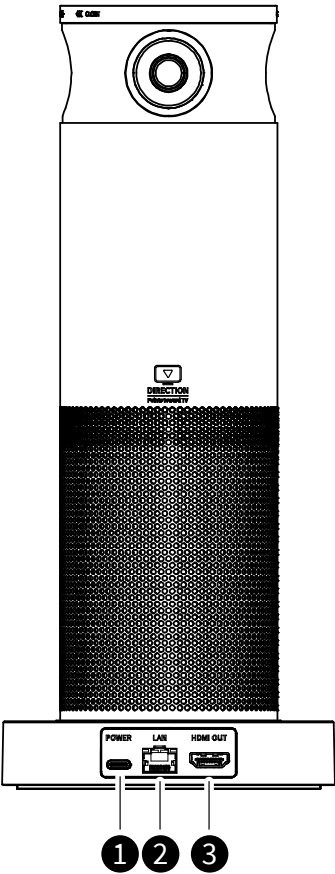
No.	Name	Description
1	Privacy Cover	Rotate the privacy cover switch to open or close the camera lens.
2	Lens	Built-in 4 x Ultra-wide fixed-focus.
3	TV mark	TV mark faces the screen.
4	Speaker	Built-in full-range speaker.

4.3.2 Buttons



No.	Name	Description
1	Mute Button	Turn the microphone mute on/off.
2	Volume + Button	Increase the speaker volume.
3	Microphone	Built-in 6 x array microphones.
4	Layout Switch Button	Select and switch screen layout (Long press 5s, switchable 270° video conferencing mode/ 360° panorama mode)
5	Volume - Button	Decrease the speaker volume.
6	Sharing Button	Camera/Sharing switch button.
7	Indicator	Status indicator.

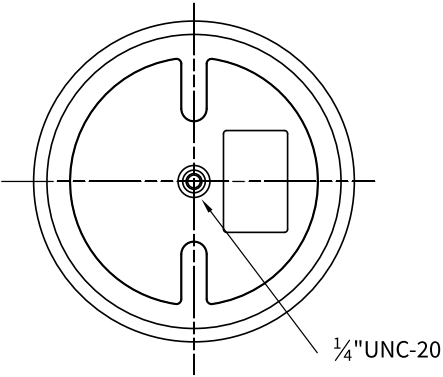
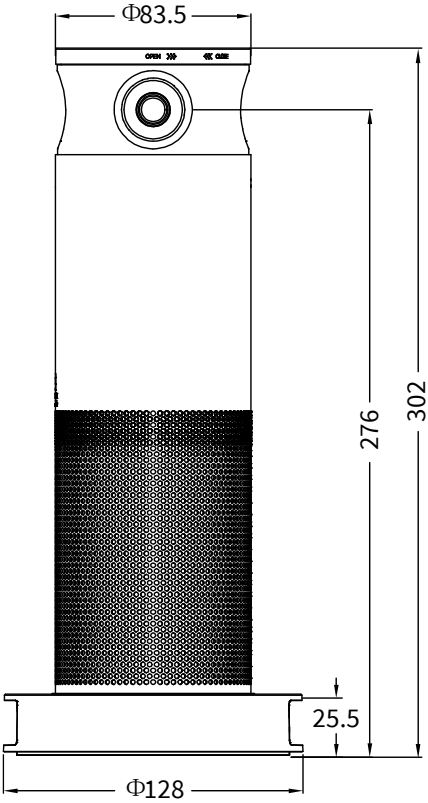
4.3.3 Interface



No.	Name	Description
1	POWER	PD power interface.
2	LAN	Connect to external network.
3	HDMI OUT	Connect to an external HDTV or other display device, support audio output.
4	Security Slot	Security Slot.
5	USB-C	Connect to an external PC, support audio and video transmission or screen sharing, support PD reverse power supply (up to 40W).
6	SD Slot	SD Slot.

4.4 Dimensions

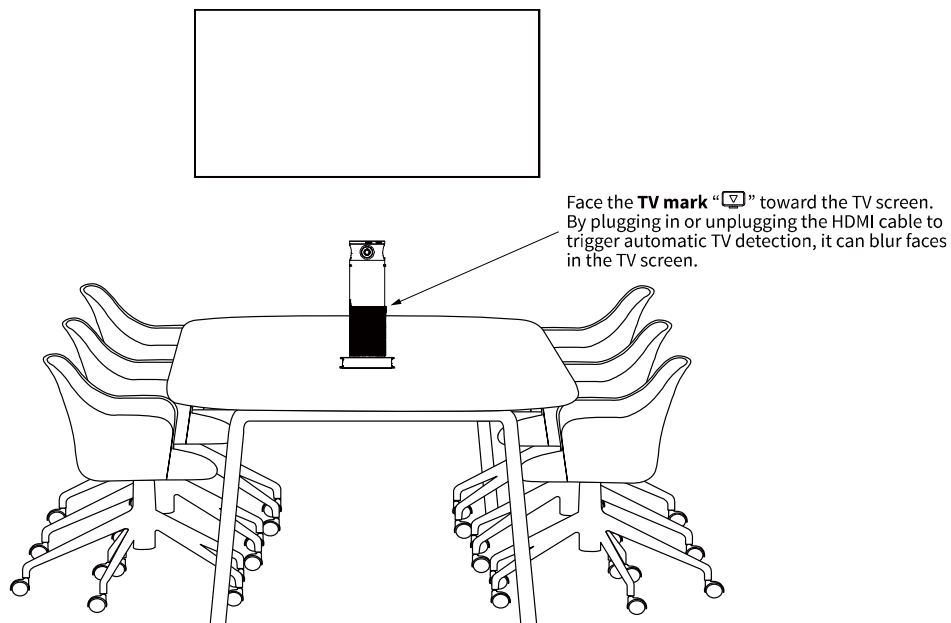
Unit: mm



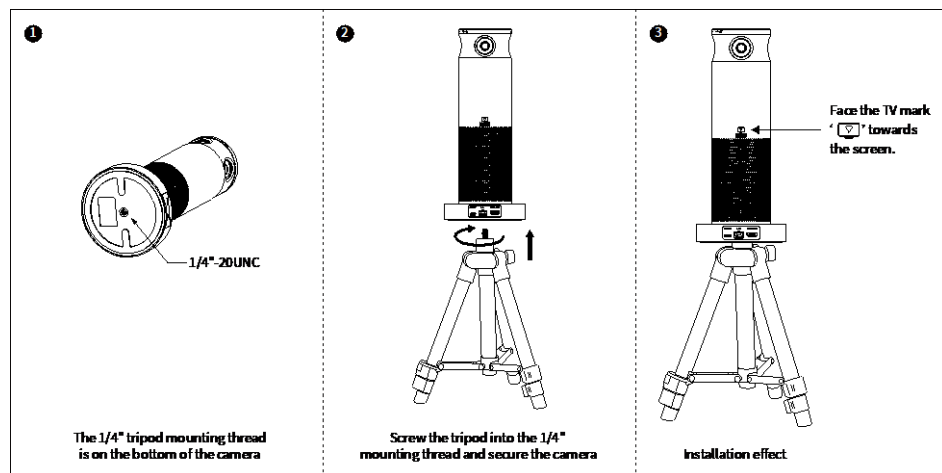
4.5 Installation

Camera can be placed directly on a desk or mounted on a tripod.

4.5.1 Desktop Installation



4.5.2 Tripod Installation

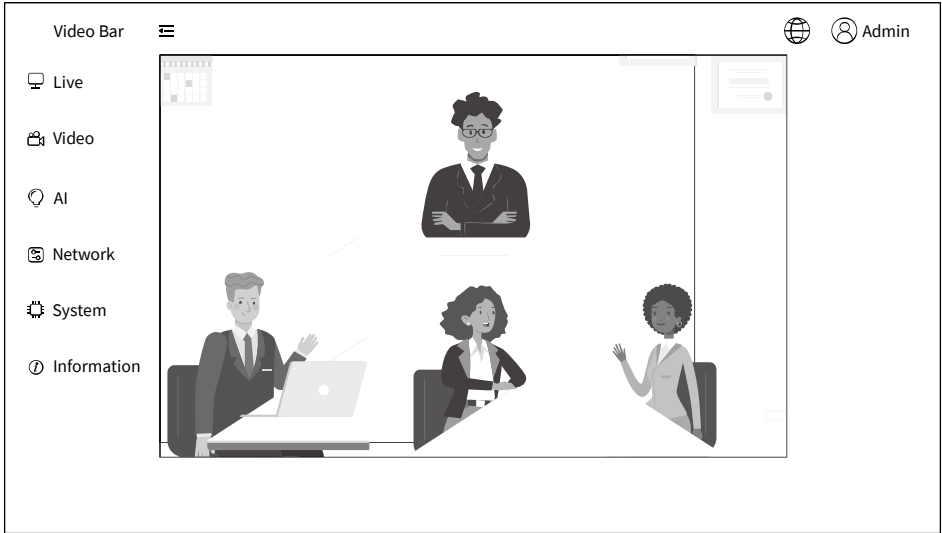


Note: the installation diagrams are for reference only and the Tripod is not included. Please refer to the actual product for installation accessories.

5 Web Settings

5.1 Access the Camera

Access the camera’s IP address in the browser (default: 192.168.100.88) to pop up the login window, input the username (default: admin) and password (default: admin) and click the “Submit” to enter the WEB page as below:



5.2 Control the Camera

A. Video Display Window

Double click the display window to enter or exit the full-screen mode.
The status bar is located below the display window is shown as below:



- ||: Pause button
- ⛶: Full screen button

B. Language

Click the “🌐” button to display the language box, select “中文” or “English” to change the language of the webpage.

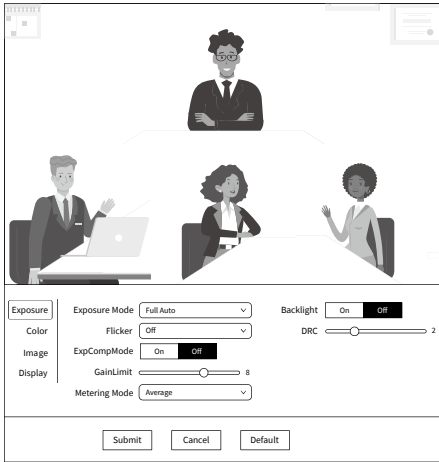
C. Admin

Home: Return to the home page of the WEB.

Logout: Exit to the WEB login page.

5.3 Live

5.3.1 Exposure



Mode: Full Auto, Manual, Shutter Priority, Bright Priority.

Flicker: Off, 50Hz, 60Hz (Effective in Full Auto, Bright Priority mode).

ExpCompMode (Exposure Compensation Mode): On, Off (Effective in Full Auto mode).

ExpComp (Exposure Compensation Value): -7~7 (Effective in ExpCompMode On).

GainLimit: 0~15 (Effective in Full Auto, Bright Priority mode).

Metering Mode: Average, Center, Bottom, Top (Effective in Full Auto, Shutter Priority, Bright Priority mode).

Backlight: On, Off (Effective in Full Auto mode).

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, Shutter Priority mode).

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

Bright: 0~17 (Effective in Bright Priority mode).

DRC Strength: 0~8.

5.3.2 Color



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

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

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

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

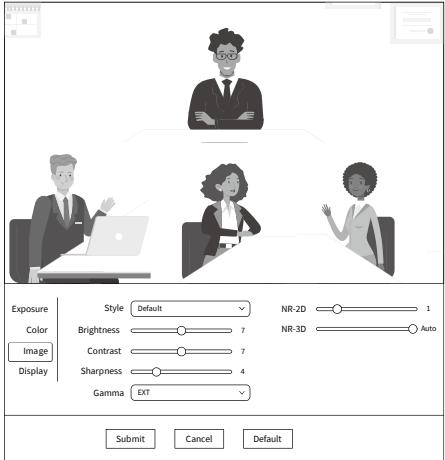
B-Gain: 0~255 (Effective in Manual mode).

Color Temp: 2500K~8000K (Effective in Temp mode).

Saturation: 60%~200%.

Hue: 0~14.

5.3.3 Image



Style: Default, Normal, Zoom.

Brightness: 0~14.

Contrast: 0~14.

Sharpness: Auto, 0~15.

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

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

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

5.3.4 Display

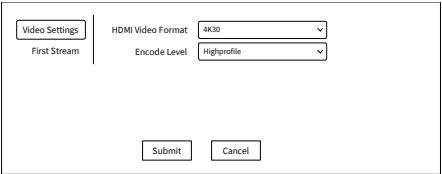


Flip-H: On, Off.

Flip-V: On, Off.

5.4 Video

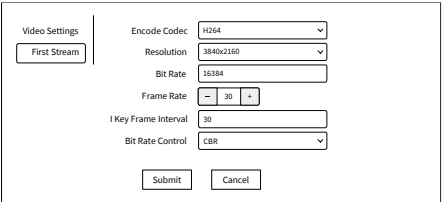
5.4.1 Video Settings



HDMI Video Format: Support 4K30, 4K25, 1080P60, 1080P50, 1080P30, 1080P25, 720P60, 720P50 video format.

Encode Level: Support Baseline, Mainprofile, Highprofile encode level.

5.4.2 First Stream



Encode Codec

Support H264, H265 and MJPEG network coding.

Resolution

Supports 3840x2160, 1920x1080, 1280x720, 1024x576, 960x540, 720x480, 640x480, 640x360. The larger the resolution, the clearer the image, but it also requires a larger code stream, which consumes more network bandwidth.

Bit Rate

A higher bit rate enhances image clarity. Consider the network bandwidth when configuring the bit rate. If the network bandwidth is limited and a higher bit rate is set, video stream transmission is compromised, resulting in a degraded visual experience.

Frame Rate

Higher frame rates result in smoother pictures, while lower frame rates create a more dynamic effect.

I Key Frame Interval

Adjust the interval between two I-frames. A larger interval can slow down the initial image display.

Bit Rate Control

Two bit rate control modes are available.

CBR (Constant Bit Rate): Encodes video at the set bit rate speed.

VBR (Variable Bit Rate): Considers image quality while encoding but doesn't strictly follow the preset speed.

5.5 AI

5.5.1 Set



Mode: Off, Smart Gallery.

Layout: Speaker View, Gallery View, Speaker & Global, Gallery & Global (Effective in Smart Gallery mode).

Fixed Layout: On, Off (Effective in Gallery View and Gallery & Global layout).

Distance Filter: Far, Near (Effective in Smart Gallery mode).

Fixed Split Screen: Off, 2, 4, 6, 8 (Effective in Gallery View layout).

5.5.2 Shield Area



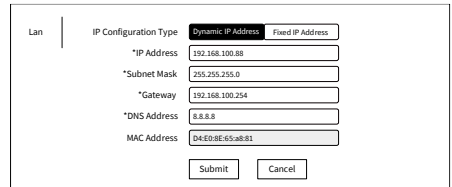
Screen Check

Select to enable/disable the screen check.

Shield Area

Set the tracking shield area: 1, 2, 3, 4, 5.

5.6 Network

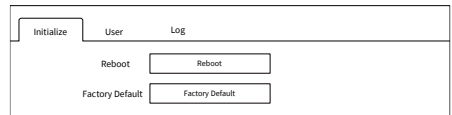


The default IP address of Lan is 192.168.100.88.

The MAC address cannot be changed.

5.7 System

5.7.1 Initialization



Reboot

Click the “Reboot” button to pop up “Please press OK to reboot the camera.” prompt box, select “OK” to restart the system.

Factory Default

Click the “Factory Default” button to pop up “Please press OK to reset the camera?” prompt box, select “OK” to restore the factory settings.

5.7.2 User

Initialize

User

Log

User Management

Guest Management

*UserName

admin

*Password

*Verify Password

Submit

User Management

Change the user’s login password (Only letters, numbers and symbols +-*/^\$&_., are supported).

Initialize

User

Log

User Management

Guest Management

*Guest

guest

*Password

*Verify Password

Submit

Guest Management

Change the guest’s login password (Only letters, numbers and symbols +-*/^\$&_., are supported).

5.7.3 Log

Initialize

User

Log

Download Log

Download Log

Click the “Download Log” button to download the logs to the local device for system issue troubleshooting.

5.8 Information

5.8.1 Information

Information

System Upgrade

Device ID

Camera

Device Type

S3.V

Software Version

SOC v9.0.01

Version Date

2025-08-26

Webware Version

v2.0.2

Audio License

Inactive

Submit

Cancel

Displays the current camera’s Device ID, Device Type, Software Version, Version Date, Webware Version and Audio License.

5.8.2 System Upgrade

Information

System Upgrade

Drop files here, or [Click to upload](#)

Only img file

Camera supports online upgrades. Drag the upgrade package into the system upgrade box, or click “Click to upload” to select the upgrade package and follow the on-screen instructions to upgrade the system.

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

6 Troubleshooting

Image

- The monitor shows no image.
 - 1) Ensure that the camera power supply is connected, the voltage is normal, and the power indicator is always on.
 - 2) Turn off the power switch to check that the camera is self-testing.
 - 3) Ensure the cable of the video platform and TV is in the correct connection.
- Image jitters after the camera is connected correctly.
 - 1) Ensure that the camera installation is in a stable position.
 - 2) Check if any vibrating machinery or object is near the camera.
- There is no video image in the browser.

IE browser and IE core browser are not supported, the camera video image will be displayed correctly when using Google, Firefox, Edge, etc.

- Unable to access through the browser.
 - 1) Use a PC to connect to the network to test whether the network access is functional. Eliminate network faults that may be caused by cable faults and viruses until the PC and the camera can pass the Ping test.
 - 2) Disconnect the network, connect the camera with the PC separately and reset the PC's IP address if necessary.
 - 3) Ensure that the IP address, subnet mask and gateway settings are correct.
 - 4) Check if the MAC address conflicts.
 - 5) Check if the web port is modified. The default setting is 80.
- Forget the IP address or login password.

The default IP address is: 192.168.100.88; the default username and password are: admin (After changing the password, please log in with the new password).

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