

4K PTZ Camera

For Medium And Large Rooms

4K

UHD

110°

Wide FOV

12X

Optical Zoom

6m

6 Microphones



Auto Framing



Voice Tracking



USB Plug and Play



Key Features

Deliver 4K UHD Image Quality

Using 8.5 million pixel high-quality SONY CMOS image sensor, the maximum resolution can reach 4K (3840×2160), and the 4K output frame rate can reach up to 30frames per second.

12x Optical Zoom

12x optical zoom with 80.5° angle.

Multiple Control Protocols

Supports VISCA, PELCO-D, PELCO-P protocols, and support automatic identification protocols.

Auto Framing

Built in 6 omnidirectional mics arrays, intelligent voice localization algorithm, this camera can track the speaker in real time.

Built-In Gravity Sensor

The built-in gravity sensor supports the automatic turning function of the gimbal, which is convenient for engineering installation.

Multiple Network Protocols

Supports ONVIF, GB/T28181, RTSP, RTMP, VISCA OVER IP, IP VISCA, RTMPS, SRT protocols; support RTMP push mode.

Intelligent Voice Positioning and Tracking

Built-in 6 omnidirectional microphone arrays, intelligent voice positioning algorithm, can locate the position of the speaker in real time, and can set voice tracking on/off.

Multiple Video Output

Supports HDMI, USB3.0, wired LAN, POE, USB3.0 supports dual stream

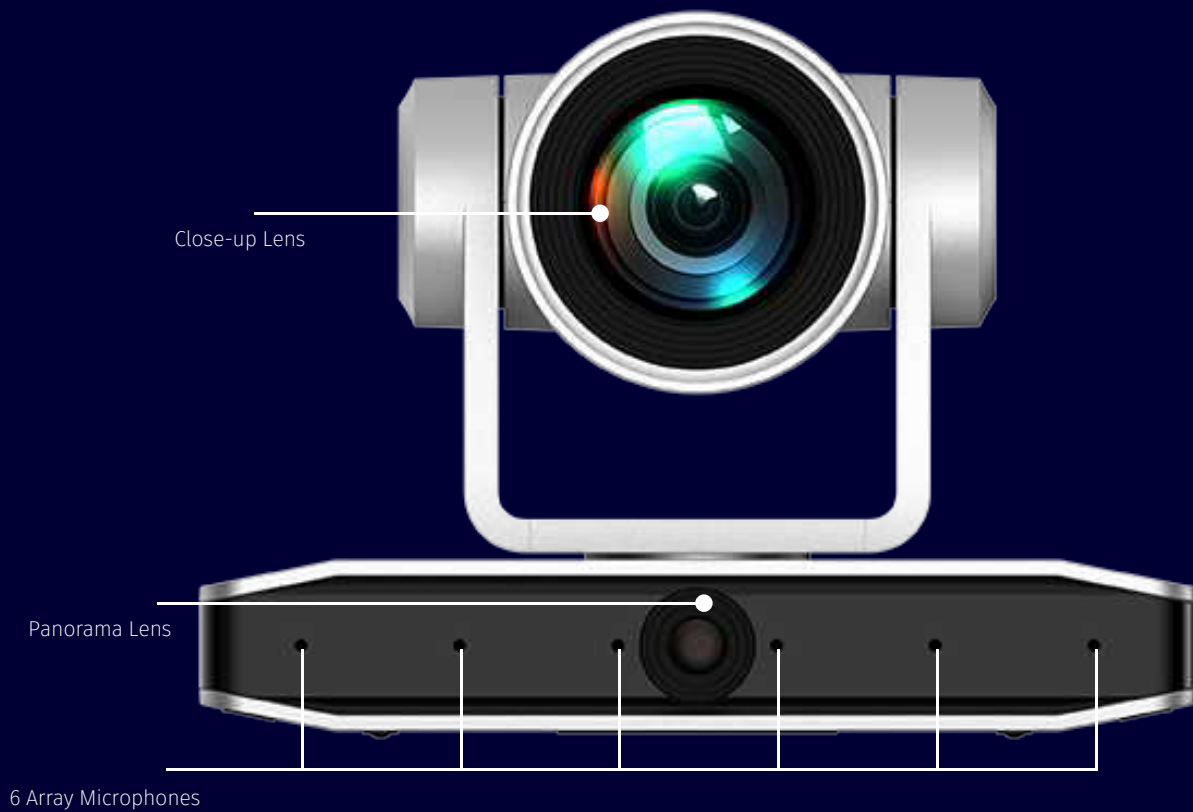
A Variety Of Audio and Video Compression Standards

Supports YUY2, MJPEG, H.264, H.265, NV12 video encoding formats, MJPEG, H.264, H.265 support up to 3840×2160 resolution 30 frames/second compression; support AAC, MP3, G.711A audio compression

Multiple Presets

Supports up to 255 presets (10 for remote control settings).

Panorama & Close-up Integrated Design



4K Lens Ultra HD Image Quality



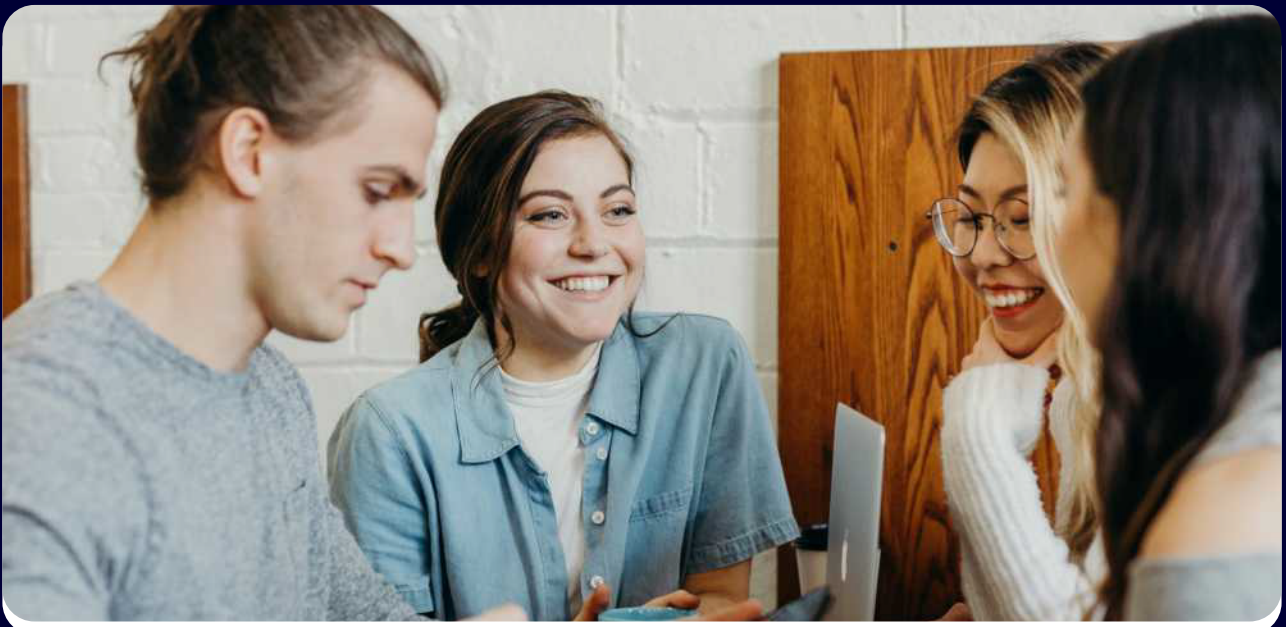
Panoramic range

4K Close up pictures

Panorama Lens 110° Super Wide Angle



Close-up Lens 12x Optical Zoom



6m Distance Pickup With Noise Reduction

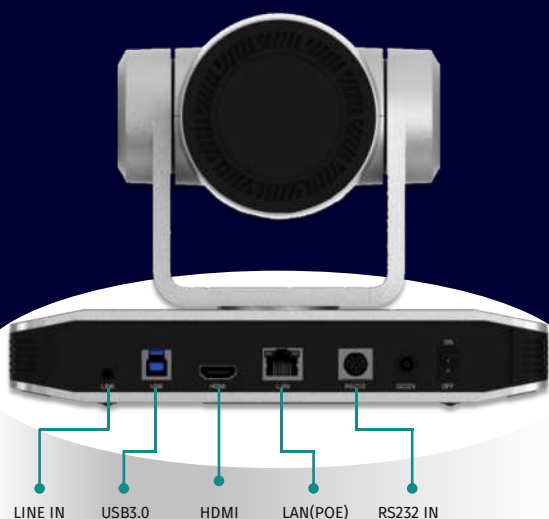


AI Auto Framing

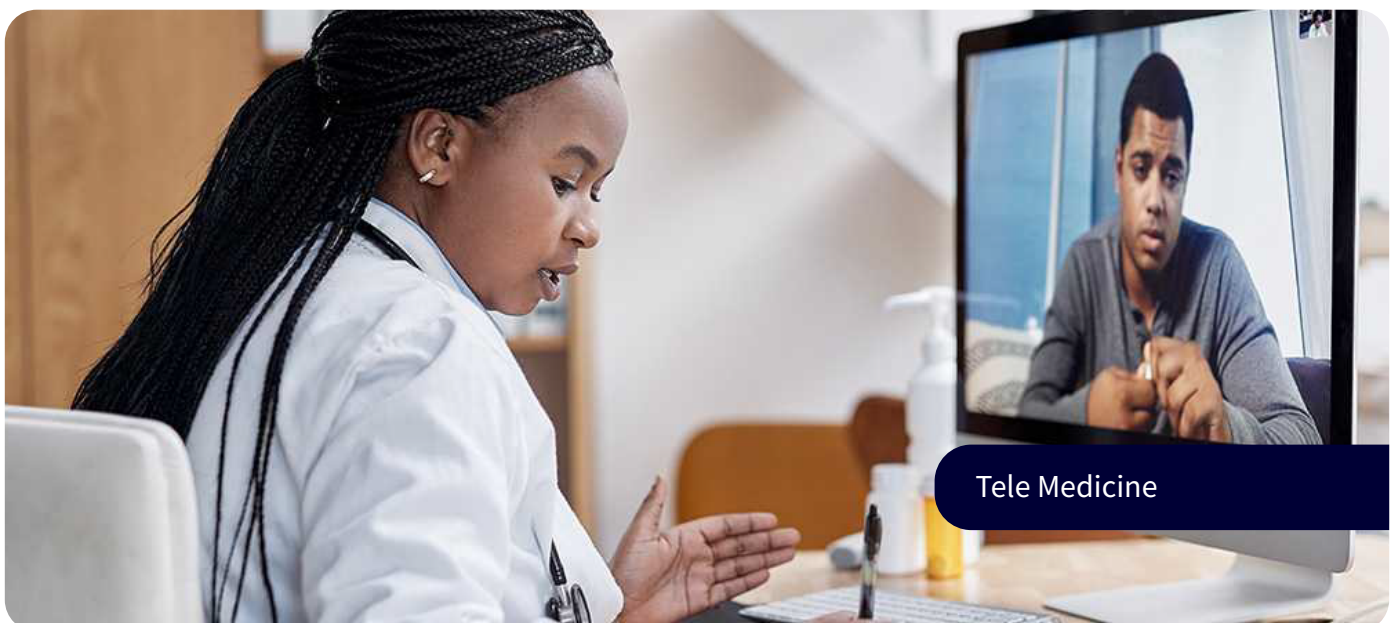
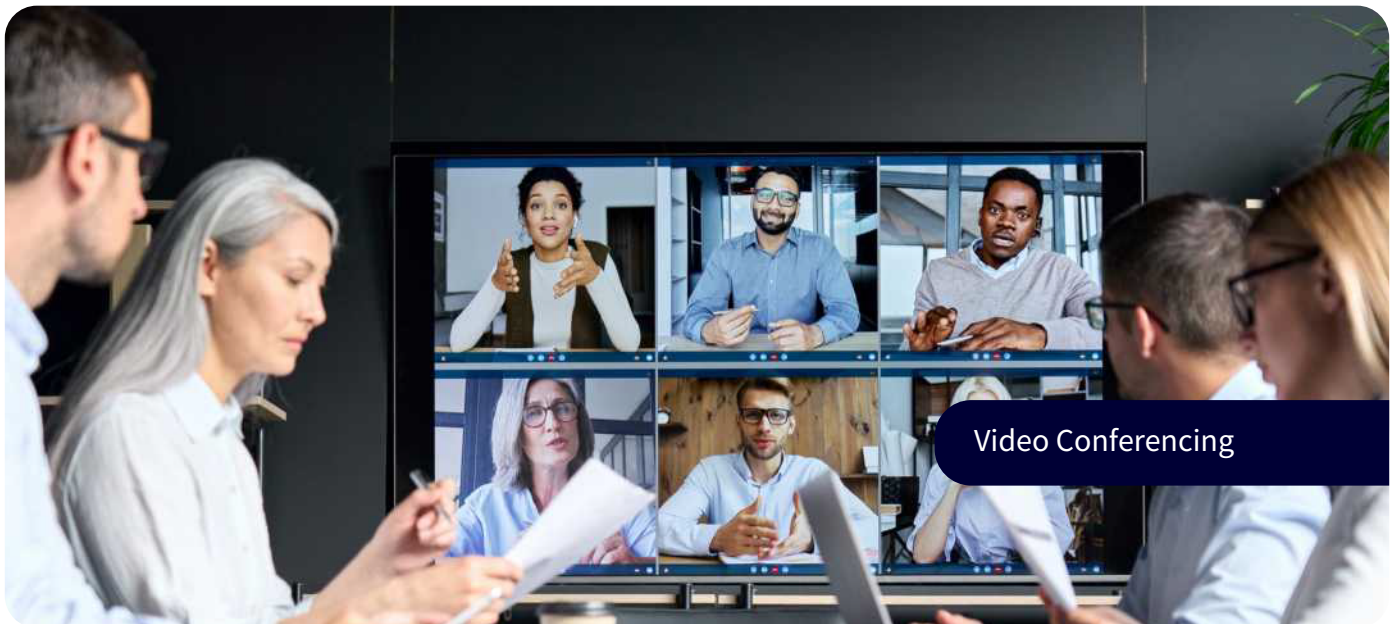




USB 3.0 Plug & Play



Intuitive operation interface for immediate use
USB 3.0 high-speed transmission without
complicated installation steps. Plug and play and
simple debugging can easily open high-quality
meetings.



Technical Specifications

Lens

Image Sensor

1/2.8 inch high quality CMOS sensor

Effective Pixel

8.51m, 16:9

Video Signal

HDMI:
4KP30, 4KP25, 1080P30, 1080P25, 1080P29.97 ;
USB 3.0:
Main Stream: YUY2/NV12:
1920×1080/1280×720/1024×576/800×600/
800×448/640×360/480×270/320×180@10/5fps;
MJPG/H264:
3840×2160/1920×1080/1600×896/1280×720/
1024×576/960×540/800×600/800×448/720×576/
720×480/640×360/640×480/480×270/352×288/
320×240@3
0/25/20/15/10/5fps;
Sub Stream: YUY2/NV12:
1280×720/1024×576/800×600/800×448/640×360/
640×480/480×270/320×180@30/25/20/15/10/
5fps;
MJPG/H264:
1920×1080/1600×896/1280×720/1024×576/960×
540/800×600/800×448/720×576/720×480/640×
360/640×480/480×270/352×288/320×240@30/
25/20/15/10/5fps;

Close-up Lens

12x

Viewing Angle

H : 7.6° (N) ~ 80.5° (W)

Iris Value

F1.8 ~ F3.6

Digital Zoom

15x

Minimum Illumination

0.5 Lux (F1.8, AGC ON)

DNR

2D & 3D

White Balance

Auto/Manual/One-Key White Balance/Specified Color Temperature

Focus Mode

Auto/Manual/One key focus

Exposure Mode

Auto, Manual, Shutter Priority, Aperture Priority, Brightness Priority

Iris

F1.8 ~ F3.6

Shutter Speed

1/25 ~ 1/20000

BLC

On/Off

Dynamic Range

Off, 1 ~ 8

SNR

>50dB

Video Adjustment

Brightness, Hue, Saturation, Contrast, Sharpness, Black and White Mode, Gamma Curve

Panoramic Lens

Fixed Lens

FOV

110.2°\101.8°\69.5° (D\H\V)

Iris

F2.0 ± 5%

Focus

F=1.89mm

Interface

Back Panel

HDMI, LAN (support POE), USB3.0, A-IN, RS232-IN, DC12V power supply, power switch

Video Output

HDMI, LAN, USB3.0

Video Compression Format

- LAN : H.264, H.265
- USB 3.0 : MJPG, H264, YUY2, NV12

Audio Input

Dual channel 3.5mm linear input

Audio Output

HDMI, LAN, USB3.0

Audio Compression Format

AAC, MP3, G.711A

LAN Port

10m/100m/1000m adaptive Ethernet port, support POE power supply, support audio and video output

Network Protocols

RTSP, RTMP, ONVIF, GB/T28181, VISCA OVER IP, IP VISCA, RTMPS, SRT, support remote upgrade, remote restart.

Serial Port Communication Protocols

VISCA/Pelco-D/Pelco-P
Baud Rate: 115200/38400/9600/4800/2400

USB communication Protocols

UVC (video communication protocol)
UAC (audio communication protocol)

Control

RS232-IN

Power Supply

HEC3800 power socket (DC12V)

Power Adapter

Input : AC110V ~ AC220V
Output: DC12V/2.5A

Input Voltage

DC12V ± 10%

Input Current

<1A

Power Consumption

<12W

Others

Storage Temperature

-10°C~ +60°C

Storage Humidity

20% ~ 95%

Working Temperature

-10°C ~ +50°C

Working Humidity

20% ~ 80%

Dimension (LxWxD)

220 x 144 x 159 mm

Weight (Approx.)

1.7kg

PTZ

Pan

-110° ~ +110°

Tilt

-30° ~ +30°

Preset Quantity

Users can set up to 255 preset positions
(10 remote controls)

Pan Speed

0.1°/s ~ 100°/s

Tilt Speed

0.1°/s ~ 70°/s

Preset Speed

Pan: 78.8°/s, Tilt: 31.7°/s

Order Code

Part No.

OBS490

Accessories

Standard Accessory

Power adapter, RS232 control cable, USB3.0 cable, remote control, user manual

Optional Accessory

Mount brackets

AI Function

Auto Framing

Built-in high-speed processor and face detection algorithm, it can automatically detect participants and provide optimal framing

Speaker Tracking

Built-in 6 omnidirectional microphone arrays, intelligent sound source localization algorithm, can locate the speaker's position in real time.

