NEOD

4K Intelligent Dual-lens Camera

www.neodglobal.com

NEOD

4K
UHD Image/
8k Support

110°
Ultra
Wide
FOV

12X
Optical
Zoom

6m
6 Mics
Arrays

Auto
Framing

Voice
Tracking

Plug-and-
play

Sony
Lens

AI-based Collaboration Boost Efficiency

Smart vision redefined Ai-powered tracking camera for precision and performance

NEOD

Panorama + Close-up Integrated Design

It integrates panoramic cameras, close-up cameras, and positioning array microphones. through professional voice positioning and 4k image analysis technology, it realizes accurate automatic tracking, frees the hands of conference personnel, making more engaged communication. it is a perfect choice for medium and large conference rooms.

4K Close-up View

Panoramic View

4K Lens
Deliver UHD Image

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 30 Frames Per Second. Equipped
with Excellent 3a Image Intelligent Algorithm, Bringing

4K ULTRA-HIGH-RESOLUTION HIGH-QUALITY IMAGES 8K support

Panoramic View Lens

110.2 ° Ultra Wide Viewing Angle

110.2° ultra wide panoramic lens provide broad range of view for close up lens, making it easier to detect and capture anyone walking into the meeting room.
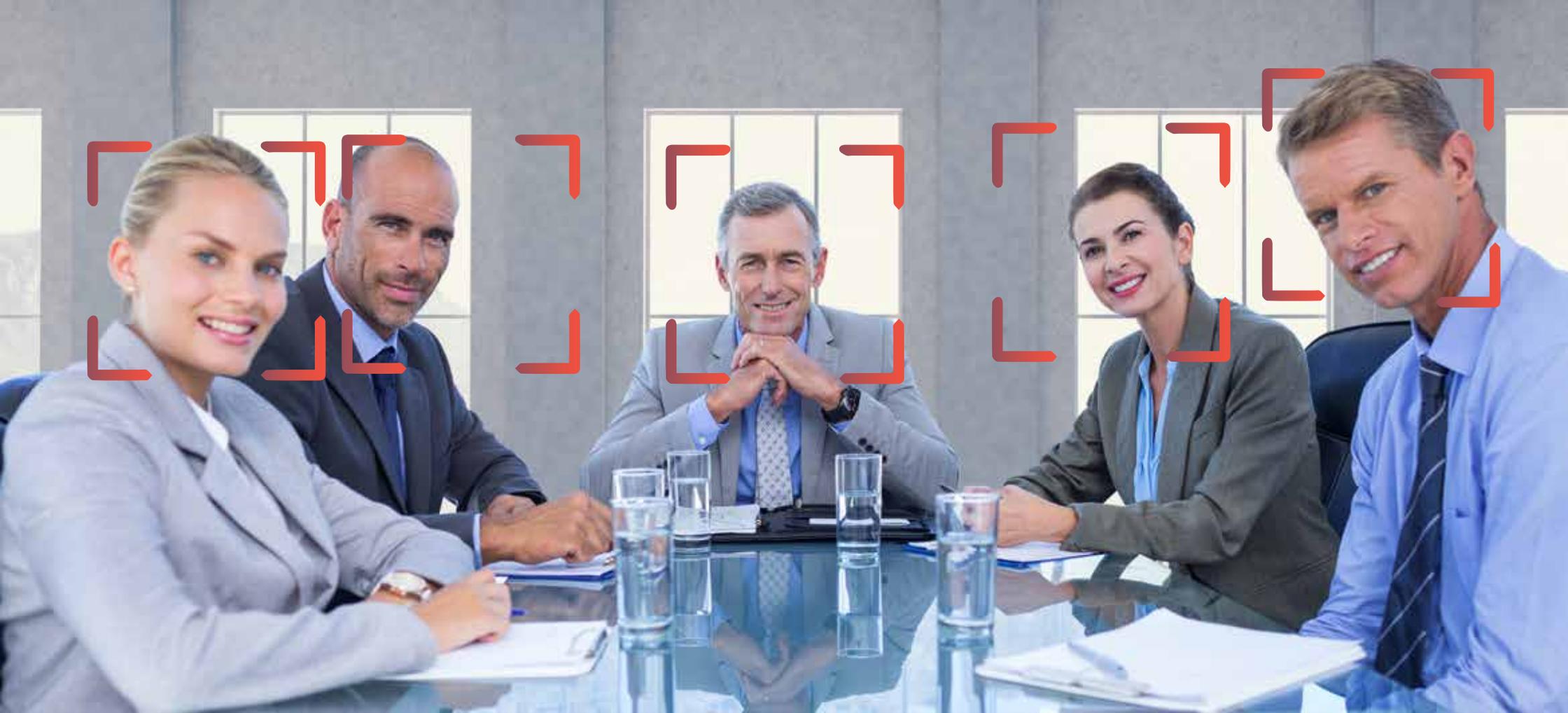
Close-up Lens
12X Optical Sony Lens

The close-up lens supports 12x optical zoom, with fast zoom and focus capabilities, clearly presenting every detail vividly capture a person's facial expressions or body movements

NEOD

6 Meters Audio Range, Delivering Crystal-clear Voice

Built in 6 omnidirectional mics arrays with audio range up to 6 meters advanced ai noise reduction and 3a audio algorithm make the audio crystal clear like face-to-face communication

AI Smart Framing

Built in high-speed processor and face detection algorithm, it can automatically detect the participants and provide the optimal framing within the range of panoramic view, if anyone move or enter into the room, the camera will automatically adjust to make sure all participants are at the center of the screen.

Intelligent Voice Tracking

With array mics and advanced audio algorithm, this camera can locate the sound source to track the speaker in the real time close-up lens can smoothly switch between speakers when there are different people speaking

USB3.0 Plug-and-play

Ease of installation and use
USB3.0 high-speed transmission
plug-and-play, start an awesome virtual meeting with ease

Flexible Installation

It supports for wall mount, ceiling mount and on tripod To make sure it can be applied in different sized rooms

Technical Specification

Module	Function	Description	
Camera	Close-up Lens	Optical Zoom	12X
		Viewing Angle	7.6°(N)~ 80.5°(W)
		Iris Value	F1.8 – F3.6
		Digital Zoom	15X
		Focal Length	f=3.4~40.3mm
	Effective Pixels	851M, 16:9	
	image	Minimum Illumination	0.5Lux(F1.8, AGC ON)
		DNR	2D&3D
		White Balance	Auto/Manual/One-push/Specified Color Temperature
		Focus	Auto/Manual/One-push
		Image Adjustment	Brightness, Hue, Saturation, Contrast, Sharpness, BW Mode, Gama Curve
		SNR	>50dB
	Video Formats	HDMI: 4KP30, 4KP25, 1080P30, 1080P25, 1080P29.97; USB3.0: 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@30/25/20/15/10/5fps; 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	
	Fixed Focus Lens		
		Viewing Angle	110.2°\101.8°\69.5°(D\H\V)
		Iris	F2.0±5%
		Focus	F=1.89mm

Module	Function	Description
PTZ	Rotating Angle	Pan:±110°; Tilt:-30°+30°
	Control Speed	Pan:0.1°/s~100°/s;Tilt:0.1°/s~70°/s
AI	Smart Framing	Group Framing, Face Detection
	Voice Tracking	Voice Localization, Voice Tracking on/off
Mics	6 mics arrays with 6 meters audio range	
Interface	Back Panel	HDMI, LAN(POE), USB3.0, A-IN, RS232-IN, DC12V Power Supply
	Video Output	HDMI, LAN, USB3.0
	Video Compression Formats	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	AAC、MP3、G.711A
	Network Port	10M/100M/1000M自适应以太网口,支持POE供电,支持音频输出
	Network Protocols	RTSP、RTMP、ONVIF、GB/T28181、VISCA OVER IP、IP VISCA、RTMPS、SRT, support remote upgrade, remote restarting, and remote reset.
	Control Jack	RS232-IN
	Serial Port Communication Protocols	VISCA/Pelco-D/Pelco-P Baud Rate115200/38400/9600/4800/2400
	USB Communication Protocols	UVC(Video Communication Protocols),UAC (Audio Communication Protocols)
	Power Supply	HEC3800 power socket (DC12V)
	Power Adapter	Input: AC110V~AC220V ;Output: DC12V/2.5A
Product Dimension	220(L)mm×144mm(W)×159mm(D)	

Applicable Scenarios

Virtual Meeting

Training Session

Remote Telemedicin

Live Streaming