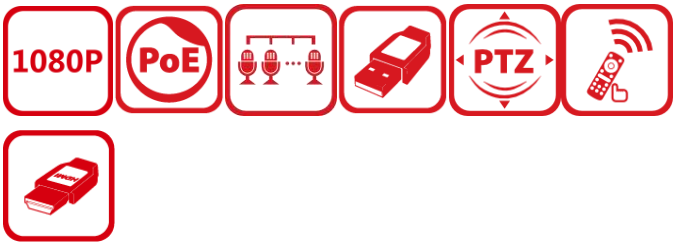
iDS-UVC-P32
2 MP Auto Tracking PTZ Camera





- 2 MP (WDR) CMOS
- High quality imaging with 1920 × 1080 resolution
- Adopt a zoom low-distortion lens with equivalent focal lengths ranging from 23.8 mm to 476 mm, auto-focus, 20× optical zoom, and 16× digital zoom
- Support smart functions, including human body following, sound source localization, and more
- Quad-microphone built into the PTZ camera with clear sound, supporting noise reduction algorithm for clear audio pickup
- Support adjusting related parameters via remote control and setting up to 5 custom scene presets
- Easy installation with Power over Ethernet (PoE) technology
- Clear imaging against strong back light due to 120 dB technology
- USB Type-C interface, supporting USB 2.0 protocol, plug-and-play, no need to install driver software; Support HDMI interface, HDBT interface, and 3G-SDI interface for live view

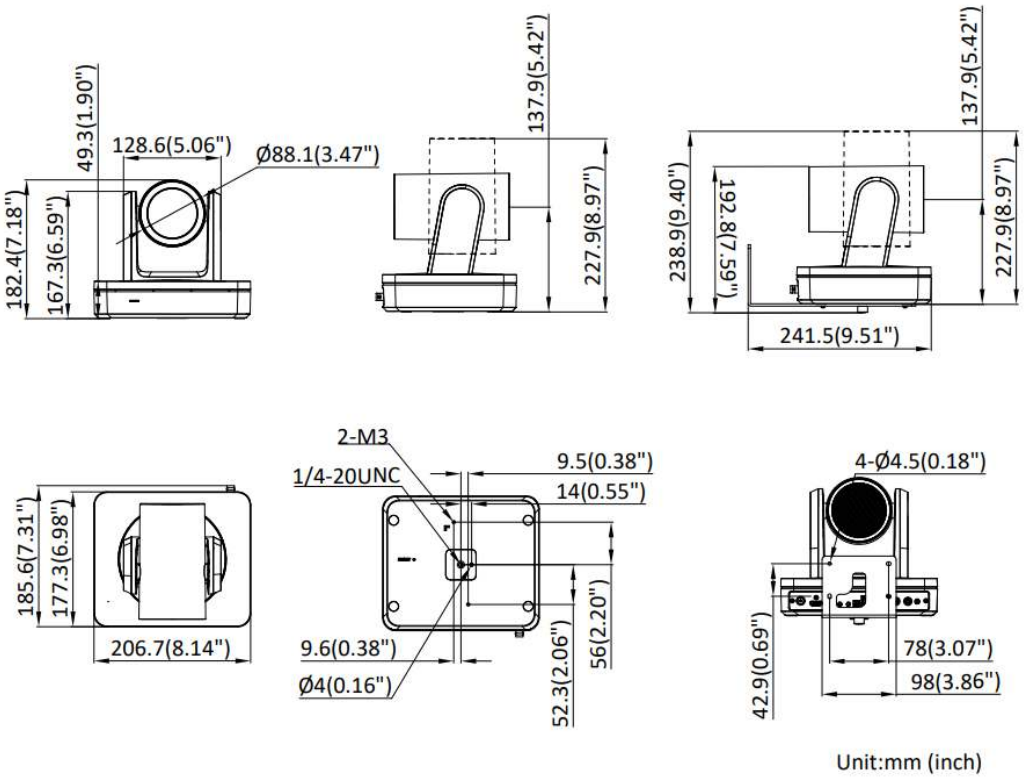
▪ Specification

Camera	
Image Sensor	1/2.8" 2 MP CMOS
Max. Resolution	1920 (H) × 1080 (V)
USB Output	MJPG/H.264: 1920 × 1080, 1280 × 960, 1280 × 720, 640 × 480, 640 ×360 @60/50/30/25 fps YUY2/NV12: 1920 × 1080, 1280 × 960, 1280 × 720, 640 × 480, 640 ×360 @60/50/30/25 fps
SDI Output	SDI: 1920 × 1080 @60/50/30/25 fps
Shutter Time	PAL: 1/25 s to 1/10,000 s,NTSC: 1/30 s to 1/10,000 s
Object Distance Range	Wide: 0.1 m to ∞ Tele: 1.5 m to ∞
Angle Adjustment	Pan: -165° to 165°,Tilt: -90° to 30°
Optical Zoom	20×
Digital Zoom	16×
HDMI Output	RGB888 (RGB24): 1920 × 1080 @60/50/30/25 fps
Network	
Main Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720, 1024 × 576, 720 × 480, 640 × 480, 640 × 360, 480 × 272, 320 × 240, 320 × 180) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 1024 × 576, 720 × 480, 640 × 480, 640 × 360, 480 × 272, 320 × 240, 320 × 180) 100 Hz: 50 fps (1920 × 1080, 1280 × 960, 1280 × 720, 1024 × 576, 720 × 480, 640 × 480, 640 × 360, 480 × 272, 320 × 240, 320 × 180) 120 Hz: 60 fps (1920 × 1080, 1280 × 960, 1280 × 720, 1024 × 576, 720 × 480, 640 × 480, 640 × 360, 480 × 272, 320 × 240, 320 × 180)
Sub-Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 720, 1024 × 576, 950 × 540, 640 × 480, 640 × 360, 320 × 240, 320 × 180) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 1024 × 576, 950 × 540, 640 × 480, 640 × 360, 320 × 240, 320 × 180)
Third Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 720, 640 × 360) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 640 × 360)
Video Compression	Main stream: H.264/H.265/MJPEG Sub-stream: H.264/H.265/MJPEG Third stream: H.264/H.265/MJPEG
Video Bit Rate	32 Kbps to 163,840 Kbps
H.264 Type	Baseline Profile, Main Profile, High Profile

H.265 Type	Main Profile
Audio Encoding Format	G722.1/G.711ulaw/G.711alaw/MP2L2/G726/AAC-LC/PCM/MP3
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, WebSocket, WebSockets
API	SDK, ONVIF
Web Browser	Chrome 80+, Firefox 80+, Edge 89+, Safari 13+
Lens	
Focal Length & FOV	Varifocal lens: 3.5 mm to 70 mm, horizontal FOV 78.7° to 4.9°, vertical FOV 48.4° to 2.8°, diagonal FOV 87.2° to 5.6° Equivalent focal length: 23.8 mm to 476 mm
Focus	Auto, Semi-auto
Microphone	
Type	MEMS
Polar Pattern	360° omni-directional
Pickup Distance	In a radius of up to 5 m
Amount	Quad-microphone
Frequency Response	100 Hz to 8 kHz
Sensitivity	-38 ± 1.5 dBV/Pa
SNR	64 dB(A)
Sampling Rate	16kHz/32kHz/48kHz
Functions	
Image Function	Support adjustment of related parameters such as exposure, white balance, image settings (including image mode, contrast, sharpness, saturation, hue, Gamma and mirror), and wide dynamic range
Audio Function	Support steady and transient smart noise reduction, automatic gain control, time domain equalization algorithm, ambient noise suppression and enhanced vocals to enhance speech quality and offer audio in high quality
Smart Function	Human body following, sound source localization
LED Indicator	Device startup: solid white -> flashing white -> solid white Device working: solid white Device mute: solid red Device shutdown: light off
Communication	
Communication Method	Camera and remote control: 2.4 GHz wireless
Wired Communication Distance	Camera and remote control: 10 m
EIRP Power (Max.)	2.4 GHz: 10 dBm
Image	
Wide Dynamic Range (WDR)	≥120 dB
Interface	
USB	1 USB Type-C interface (for transmitting audio and video), supporting USB 2.0 protocol
HD Interface	1 HDMI port (for transmitting audio and video), supporting HDMI 1.4 protocol 1 3G-SDI port (for transmitting audio and video), supporting SMPTE 424M protocol
Ethernet Interface	1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port
Audio	1 input (line in), 3.5 mm three-segment TRS interface 1 output (line out), 3.5 mm three-segment TRS interface

Communication Interface	1 RS-232 IN port, 1 RS-232 OUT port, supports VISCA protocol (RS-232) keyboard control interface, baud rate: 9600; supports PTZ control, zoom control, preset settings, calling, and deletion; presets: 255 1 RS-485 port, supports HIKVISION, PELCO-D, and PELCO-P protocols, and (RS-485) keyboard control interface, baud rate: 2400/4800/9600/19200/38400, default baud rate: 9600; supports PTZ control, zoom control, preset settings, calling, and deletion; presets: 255
Power Interface	12 VDC, Ø2.1 mm coaxial power plug
Other	1 HDBT interface
Compatibility	
System Requirement	Operating System: Windows 7/8/10/11 Android 8.1 and above version Linux 4.14 and above version macOS 10.12 and above version
General	
Power	12 VDC ± 25% PoE: IEEE 802.3at, Class 4, max. 23.1 W
Operating Condition	-10 °C to 45 °C (14 °F to 113 °F). Humidity 90% or less (non-condensing)
Dimension	206.7 mm × 163.3 mm × 227.9 mm (8.14" × 6.43"× 8.97")
Package Dimension	328 mm × 240 mm × 250 mm (12.91" × 9.45"× 9.84")
Weight	Approx. 2,420 g (5.34 lb.)
With Package Weight	Approx. 4,110 g (9.06 lb.)
Packing List	Camera (including lens cover) × 1 Remote Control × 1 Power Adapter (1.2 m, with American, British, and European plug adapter) × 1 Power Adapter Extension Cable (3 m) × 1 USB 2.0 Cable (4.5 m) × 1 Bracket × 1 Screws × 1 Battery × 2 Regulatory Compliance and Safety Information × 1

▪ Dimension


49.3(1.90")
128.6(5.06")
Ø88.1(3.47")
182.4(7.18")
167.3(6.59")
137.9(5.42")
227.9(8.97")
137.9(5.42")
238.9(9.40")
192.8(7.59")
227.9(8.97")
241.5(9.51")
185.6(7.31")
177.3(6.98")
206.7(8.14")
2-M3
1/4-20UNC
9.5(0.38")
14(0.55")
9.6(0.38")
Ø4(0.16")
52.3(2.06")
56(2.20")
4-Ø4.5(0.18")
42.9(0.69")
78(3.07")
98(3.86")

Unit:mm (inch)

See Far, Go Further

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