

IPC-T220HAE-UC 2 MP Fixed Turret Network Camera



- High quality imaging with 2 MP resolution
- Efficient H.265+ compression technology
- Support person detection
- Built-in microphone for real-time audio security
- Water and dust resistant (IP67)
- Clear imaging against strong back light due to digital WDR technology

▪ Specification

Camera	
Image Sensor	1/3" Progressive Scan CMOS
Max. Resolution	1920 × 1080
Min. Illumination	Color: 0.01 Lux @ (F2.2, AGC ON), B/W: 0 Lux with IR
Shutter Time	1/3 s to 1/100,000 s
Day & Night	IR cut filter
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°
Lens	
Lens Type	Fixed focal lens, 2.8 and 4 mm optional
Focal Length & FOV	2.8 mm, horizontal FOV 97°, vertical FOV 54°, diagonal FOV 113° 4 mm, horizontal FOV 76°, vertical FOV 42°, diagonal FOV 90°
Lens Mount	M12
Iris Type	Fixed
Aperture	F2.2
Depth of Field	2.8 mm: 0.8 m to ∞ 4 mm: 1 m to ∞
DORI	
DORI	2.8 mm, D: 45 m, O: 18 m, R: 9 m, I: 4 m 4 mm, D: 57 m, O: 22 m, R: 11 m, I: 5 m
Illuminator	
Supplement Light Type	IR
Supplement Light Range	Up to 20 m
Smart Supplement Light	Yes
IR Wavelength	850 nm
Video	
Main Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264
Video Bit Rate	32 Kbps to 8 Mbps
H.264 Type	Baseline Profile, Main Profile, High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR, VBR
Region of Interest (ROI)	1 fixed region for main stream
Audio	
Audio Type	Mono sound
Audio Sampling Rate	8 kHz/16 kHz
Environment Noise Filtering	Yes
Audio Compression	G.711ulaw/AAC-LC
Audio Bit Rate	64 Kbps (G.711ulaw)/16 to 64 Kbps (AAC-LC)
Network	
Protocols	TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTCP, RTSP, NTP, IGMP, IPv4, IPv6, UDP, QoS
API	ONVIF (Profile S, Profile T), ISAPI, SDK

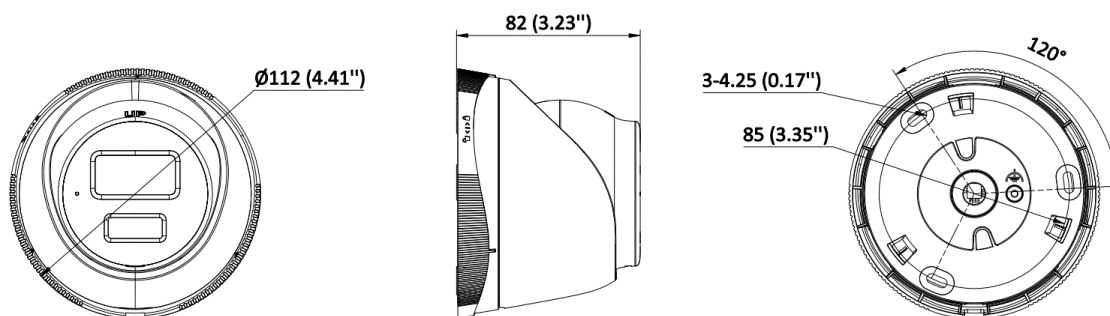
Security	Password protection, complicated password, watermark, basic and digest authentication for HTTP, security audit log, host authentication (MAC address)
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Client	iVMS-4200, HiLookVision
Web Browser	Local service: Local service: Chrome 80+, Firefox 80+, Edge 89+, Safari 13+
Image	
Wide Dynamic Range (WDR)	Digital WDR
SNR	≥ 52 dB
Privacy Mask	1 programmable polygon privacy mask
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
Image Settings	Saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
Built-in Microphone	Yes, 1 built-in microphone
Event	
Basic Event	Motion detection (support alarm triggering by specified target types (human)), exception
Linkage	Notify surveillance center, send email, trigger capture
General	
Power	PoE: IEEE 802.3af, Class 0, max. 6.5 W
Material	Metal & Plastic
Dimension	Ø112 mm × 82 mm (Ø4.4" × 3.2")
Package Dimension	150 mm × 150 mm × 141 mm (5.9" × 5.9" × 5.6")
Weight	Approx. 275 g (0.6 lb.)
With Package Weight	Approx. 405 g (0.9 lb.)
Storage Conditions	-30 °C to 45 °C (-22 °F to 113 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-30 °C to 45 °C (-22 °F to 113 °F). Humidity 95% or less (non-condensing)
Language	English, Ukrainian
General Function	Heartbeat, anti-banding, mirror, password protection, password reset via email
Approval	
EMC	CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021, KC: KN32: 2015, KN35: 2015
Safety	CB: IEC 62368-1:2014+A11, CE-LVD: EN 62368-1:2014/A11: 2017
Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006
Protection	IP67: IEC 60529-2013

▪ Available Model

IPC-T220HAE-UC(2.8mm)

IPC-T220HAE-UC(4mm)

▪ Dimension



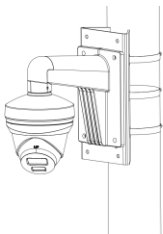
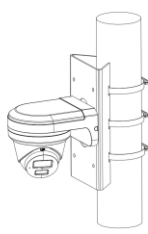
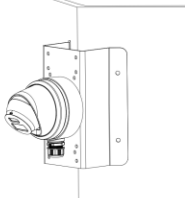
Unit:mm (inch)

▪ Accessory

▪ Optional

DS-1275ZJ-SUS	DS-1475ZJ-SUS	DS-1272ZJ-110-TRS	DS-1476ZJ-SUS	DS-1281ZJ-S
DS-1280ZJ-TR13	DS-220AZJ-145-WA	DS-1276ZJ-SUS	DS-220AZJ-130-WA	DS-1271ZJ-110-TRS
DS-1280ZJ-S	DS-1275ZJ-S-SUS			

■ Installation Methods

Vertical Pole Mounting DS-1275ZJ-SUS+DS-1272ZJ-110-TRS	Vertical Pole Mounting DS-1475ZJ-SUS+DS-220AZJ-130-WA	Vertical Pole Mounting DS-1275ZJ-S-SUS+DS-220AZJ-145-WA	Wall Mounting DS-1272ZJ-110-TRS	Wall Mounting DS-220AZJ-145-WA
				
Wall Mounting DS-220AZJ-130-WA	Corner Mounting DS-1476ZJ-SUS+DS-220AZJ-130-WA	Corner Mounting DS-1276ZJ-SUS+DS-1280ZJ-S	Inclined Ceiling Mounting DS-1281ZJ-S	Junction Box DS-1280ZJ-TR13
				
Junction Box DS-1280ZJ-S	Pendant Mounting DS-1271ZJ-110-TRS			
				

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