

**IPC-D640HA-LZU**  
**4 MP Dual Light MD 2.0 Varifocal Dome Network Camera**



- High quality imaging with 4 MP resolution
- Support Human and Vehicle Detection
- Smart Hybrid Light: advanced technology with long range
- Clear imaging against strong back light due to 120 dB true WDR technology
- Efficient H.265+ compression technology
- Support on-board storage up to 512 GB (SD card slot)
- Built-in microphone for real-time audio security
- 2.8 to 12 mm motorized varifocal lens for easy installation and monitoring
- Water and dust resistant (IP67) and vandal proof (IK08)

## ▪ Specification

Camera	
Image Sensor	1/3" Progressive Scan CMOS
Max. Resolution	2560 × 1440
Min. Illumination	Color: 0.005 Lux @ (F1.6, 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 355°, tilt: 0° to 70°, rotate: 0° to 355°
Lens	
Lens Type	Varifocal lens, motorized lens, 2.8 to 12 mm
Focal Length & FOV	2.8 to 12 mm, horizontal FOV 96.7° to 29.7°, vertical FOV 51.7° to 16.7°, diagonal FOV 114.3° to 34°
Lens Mount	Ø14
Iris Type	Fixed
Aperture	F1.6
DORI	
DORI	D: 64.0 to 198.0 m, O: 25.4 to 78.6 m, R: 12.8 to 39.6 m, I: 6.4 to 19.8 m
Illuminator	
Supplement Light Type	IR, White Light
Supplement Light Range	Up to 30 m
Smart Supplement Light	Yes
IR Wavelength	850 nm
Video	
Main Stream	50 Hz: 20 fps (2560 × 1440) 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1440) 24 fps (1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 24 fps (1280 × 720, 640 × 480, 640 × 360)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Baseline Profile, Main Profile, High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR, VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	1 fixed region for main stream
Audio	
Audio Type	Mono sound
Audio Compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC)
Audio Sampling Rate	8 kHz/16 kHz
Environment Noise Filtering	Yes

<b>Network</b>	
Protocols	TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RCTP, NTP, IGMP, IPv6, UDP, QoS, FTP, SMTP
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Client	iVMS-4200, HiLookVision
Web Browser	Plug-in required live view: IE 10, IE 11, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+
Security	Password protection, complicated password, watermark, basic and digest authentication for HTTP, WSSE and digest authentication for Open Network Video Interface, security audit log, host authentication (MAC address)
<b>Image</b>	
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser
Day/Night Switch	Day, Night, Auto, Schedule
Wide Dynamic Range (WDR)	120 dB
Image Enhancement	BLC, HLC, 3D DNR
SNR	≥ 52 dB
Privacy Mask	4 programmable polygon privacy masks
<b>Interface</b>	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
Reset Key	Yes
Built-in Microphone	Yes, 1 built-in microphone
<b>Event</b>	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception
Linkage	Upload to FTP/memory card, notify surveillance center, send email, trigger recording, trigger capture, audible warning
<b>General</b>	
Power	12 VDC ± 25%, 0.8 A, max. 9.6 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 12 W
Material	Base: metal, cover: plastic
Dimension	Ø121.5 mm × 97.6 mm (Ø4.78" × 3.84")
Package Dimension	150 mm × 150 mm × 141 mm (5.90" × 5.90" × 5.55")
Weight	Approx. 540 g (1.2 lb.)
With Package Weight	Approx. 740 g (1.6 lb.)
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
General Function	Heartbeat, anti-banding, mirror, password protection, password reset via email

Language	English, Ukrainian
<b>Approval</b>	
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, RCM: AS/NZS CISPR 32: 2015, IC: ICES-003: Issue 7
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, IK08: IEC 62262:2002

## ▪ Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

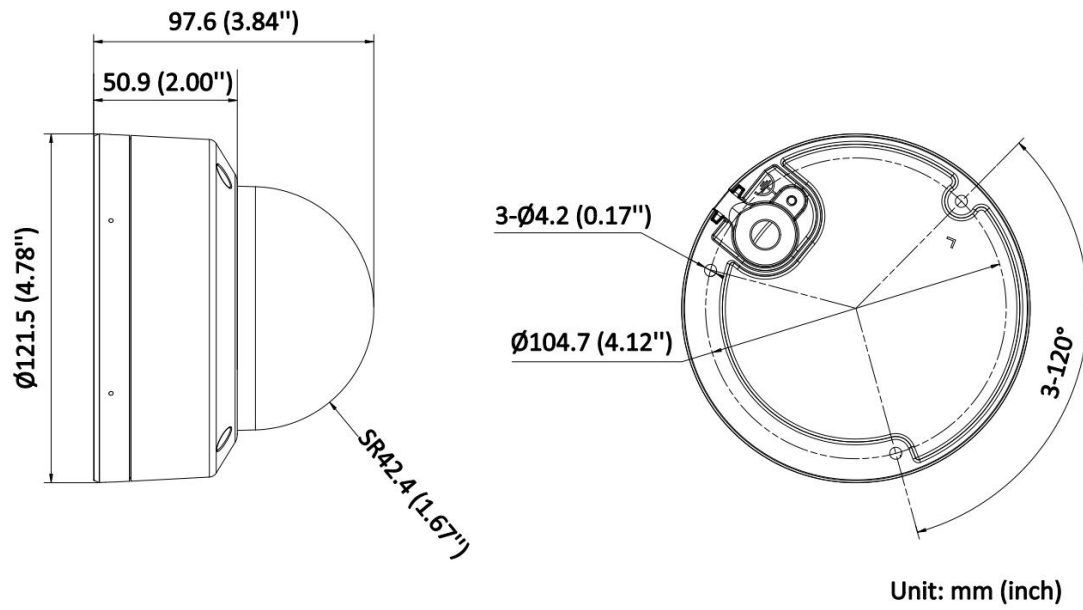
This model has NO SPECIFIC PROTECTION.

Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain.
No specific protection	Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.

## ▪ Available Model

IPC-D640HA-LZU(2.8-12mm)

## ▪ Dimension

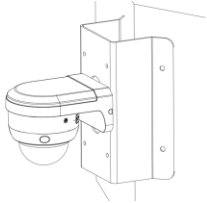
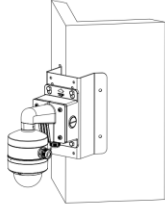
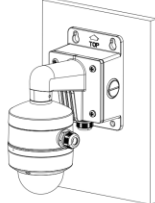


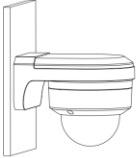

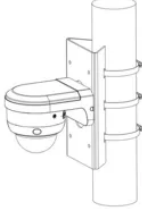
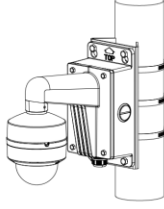
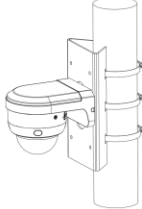
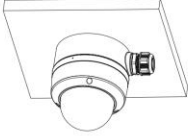
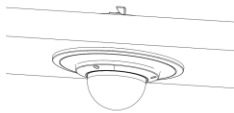


▪ Accessory

▪ Optional

DS-1476ZJ-SUS	DS-1272ZJ-120B	DS-1272ZJ-120	DS-1271ZJ-120	DS-1276ZJ-SUS
DS-1275ZJ-S-SUS	DS-1275ZJ-SUS	DS-1280ZJ-DM46	DS-220AZJ-130-WA	DS-4221ZJ-WC
DS-1475ZJ-SUS	DS-220AZJ-145-WA			

▪ Installation Methods

<p><b>Corner Mounting</b> DS-1476ZJ-SUS+DS-220AZJ-130-WA</p>	<p><b>Corner Mounting</b> DS-1276ZJ-SUS+DS-1272ZJ-120B+DS-1280ZJ-DM46</p>	<p><b>Wall Mounting</b> DS-1272ZJ-120B+DS-1280ZJ-DM46</p>	<p><b>Wall Mounting</b> DS-1272ZJ-120+DS-1253ZJ-M</p>	<p><b>Wall Mounting</b> DS-220AZJ-130-WA</p>
				
<p><b>Wall Mounting</b> DS-220AZJ-145-WA</p>	<p><b>Pendant Mounting</b> DS-1271ZJ-120+DS-1280ZJ-DM46</p>	<p><b>Vertical Pole Mounting</b> DS-1275ZJ-S-SUS+DS-220AZJ-130-WA</p>	<p><b>Vertical Pole Mounting</b> DS-1275ZJ-SUS+DS-1272ZJ-120B</p>	<p><b>Vertical Pole Mounting</b> DS-1475ZJ-SUS+DS-220AZJ-145-WA</p>
				
<p><b>Junction Box</b> DS-1280ZJ-DM46</p>	<p><b>In-Ceiling Mounting</b> DS-4221ZJ-WC</p>			
				

# See Far, Go Further



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