

HWI-D640HA-Z 4 MP Varifocal Dome Network Camera





- High quality imaging with 4 MP resolution
- Support Human and Vehicle Detection
- 2.8 to 12 mm motorized varifocal lens for easy installation and monitoring
- Up to 256 GB memory card slot for storage
- Water and dust resistant (IP67) and vandal proof (IK10)
- EXIR 2.0: advanced infrared technology with long IR range
- Clear imaging even with strong back lighting due to 120 dB
 WDR technology
- Efficient H.265+ compression technology



Specification

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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				
F	2.8 to 12 mm, horizontal FOV 95.9° to 29.2°, vertical FOV 50.6° to 16.4°, diagonal FOV				
Focal Length & FOV	114.7° to 33.5°				
Lens Mount	Ø14				
Iris Type	Fixed				
Aperture	F1.6				
Illuminator					
Supplement Light Type	IR				
Supplement Light Range	Up to 30 m				
Smart Supplement Light	Yes				
IR Wavelength	850 nm				
Video	-				
rideo	50 Hz:				
	20 fps (2560 × 1440)				
	25 fps (1920 × 1080, 1280 × 720)				
Main Stream	60 Hz:				
	20 fps (2560 × 1440)				
	24 fps (1920 × 1080, 1280 × 720)				
	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)				
Sub-Stream	60 Hz: 24 fps (1280 × 720, 640 × 480, 640 × 360)				
	Main stream: H.265+/H.265/H.264+/H.264,				
Video Compression	Sub-stream: H.265/H.264/MJPEG				
Video Bit Rate	32 Kbps to 8 Mbps				
H.264 Type	Baseline Profile, Main Profile, High Profile				
H.265 Type	Main Profile				
Region of Interest (ROI)	1 fixed region(s) for main stream				
Network					
Protocols	TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, 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				
_	Password protection, complicated password, watermark, basic and digest				
Security	authentication for HTTP, WSSE and digest authentication for Open Network Video				
	Interface, security audit log, host authentication (MAC address)				
User/Host	Up to 32 users				
	3 user levels: administrator, operator, and user				
Client	iVMS-4200, Hik-Connect				



Integrate Equated new New Process Contents of St. 1. 12		Plug in required live view: IE 10, IE 11		
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) Inage Enhancement BLC, HLC, 3D DNR Interface Ethernet Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port On-Board Storage Built-in memory card slot, support microSD card, up to 256 GB Reset Key Ves Event Basic Event Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception Upload to FTP/memory card, notify surveillance center, send email, trigger recording, trigger capture General 12 VDC ± 25%, 0.8 A, max. 10 W, Ø5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.32 A to 0.2 A, max. 11.5 W Dimension Ø141 mm × 99.9 mm (Ø5.6" × 3.9") Package Dimension Ø141 mm × 140 mm × 154 mm (5.5" × 5.5" × 6.1") Weight Approx. 220 g (1.8 lb.) With Package Weight Approx. 220 g (2.6 lb.) Storage Conditions 1-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing) Startup and Operating Conditions Language English, Ukrainian General Function Heartbeat, anti-banding, mirror, password protection, privacy mask, watermark Approval FCC: 47 CFR Part 15, Subpart B EMC CE-EMC: EN 55032: 2015, EN 61000-3-2: 2019, EN 61000-3-3: 2013 + A1: 2019, EN 50130-4: 2011 + A1: 2014 Safety CE-LVD: EN 62368-1: 2014/A1: 2017 CE-ROHS: 2011/65/EU Reach: Regulation (EC) No 1907/2006 Protection	Web Browser	Plug-in required live view: IE 10, IE 11		
Image Settings 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 Interface Ethernet Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port On-Board Storage Built-in memory card slot, support microSD card, up to 256 GB Reset Key Ves 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 General Power 12 VDC ± 25%, 0.8 A, max. 10 W, Ø5.5 mm coaxial power plug Pof: 802. 3af, Class 3, 36 V to 57 V, 0.32 A to 0.2 A, max. 11.5 W Dimension Ø141 mm × 99.9 mm (Ø5.5 ** 5.5" × 6.1") Weight Approx. 820 g (1.8 lb.) With Package Weight Approx. 1200 g (2.6 lb.) Storage Conditions -30 "C to 60 "C (-22 "F to 140 "F). Humidity 95% or less (non-condensing) Startup and Operating Conditions Language English, Ukrainian General Function Heartbeat, anti-banding, mirror, password protection, privacy mask, watermark Approval EMC CE-EMC: EN 55032: 2015, EN 61000-3-2: 2019, EN 61000-3-3: 2013 + A1: 2019, EN 6130-4: 2011 + A1: 2014 Safety CE-LVD: EN 62368-1: 2014/A1: 2017 CE-ROHS: 2011/65/EU Environment Poetction (P67: IEC 60529-2013		Local service: Chrome 57.0+, Firetox 52.0+		
Image Settings adjustable by client software or web browser Day/Night Switch Day, Night, Auto, Schedule Wide Dynamic Range (WDR) Iz 0 dB Image Enhancement BLC, HLC, 3D DNR Interface Ethernet Interface 1 RI45 10 M/100 M self-adaptive Ethernet port On-Board Storage Reset Key Yes 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 General Power PoE: 802.3af, Class 3, 36 V to 57 V, 0.32 A to 0.2 A, max. 11.5 W Dimension Ø141 mm × 99.9 mm (Ø5.6" × 3.9") Package Dimension 140 mm × 140 mm × 154 mm (5.5" × 5.5" × 6.1") Weight Approx. 820 g (1.8 lb.) With Package Weight Approx. 1200 g (2.6 lb.) Storage Conditions 3 "C to 60 "C (-22 "F to 140 "F). Humidity 95% or less (non-condensing) Startup and Operating Conditions Language English, Ukrainian General Function Heartbeat, anti-banding, mirror, password protection, privacy mask, watermark Approval EMC CE-ENC: EN \$5032: 2015, EN 61000-3-2: 2019, EN 61000-3-3: 2013 + A1: 2019, EN 50130-4: 2011 + A1: 2014 Safety CE-ROHS: 2011/65/EU Resch: Regulation (EC) No 1907/2006 Protection Protection	Image			
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Interface Ethernet Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port On-Board Storage Built-in memory card slot, support microSD card, up to 256 GB Reset Key Yes Event 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 General Power 2 12 VDC ± 25%, 0.8 A, max. 10 W, Ø 5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.32 A to 0.2 A, max. 11.5 W Dimension Ø141 mm × 99.9 mm (Ø 5.6" × 3.9") Package Dimension 140 mm × 140 mm × 154 mm (5.5" × 5.5" × 6.1") Weight Approx. 820 g (1.8 lb.) With Package Weight Approx. 1200 g (2.6 lb.) Storage Conditions -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing) Conditions -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing) Conditions English, Ukrainian General Function Heartbeat, anti-banding, mirror, password protection, privacy mask, watermark Approval FCC: 47 CFR Part 15, Subpart 8 EMC CE-EMC: EN 55032: 2015, EN 61000-3-2: 2019, EN 61000-3-3: 2013 + A1: 2019, EN 6103-4: 2011 + A1: 2014 Safety CE-EMC: EN 55036-1: 2014/A1: 2017 CE-ROHS: 2011/65/EU Environment WEEE: 2012/19/EU Reach: Regulation (EC) No 1907/2006	Wide Dynamic Range (WDR)	120 dB		
Ethernet Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port On-Board Storage Built-in memory card slot, support microSD card, up to 256 GB Reset Key Yes Event 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 General Power 12 VDC ± 25%, 0.8 A, max. 10 W, Ø5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.32 A to 0.2 A, max. 11.5 W Dimension Ø141 mm × 99.9 mm (Ø5.6" × 3.9") Package Dimension 140 mm × 140 mm × 154 mm (5.5" × 5.5" × 6.1") Weight Approx. 820 g (1.8 lb.) With Package Weight Approx. 1200 g (2.6 lb.) Storage Conditions -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing) Startup and Operating Conditions Language English, Ukrainian General Function Heartbeat, anti-banding, mirror, password protection, privacy mask, watermark Approval FCC: 47 CFR Part 15, Subpart B EMC CE-EMC: EN 55032: 2015, EN 61000-3-2: 2019, EN 61000-3-3: 2013 + A1: 2019, EN 50130-4: 2011 + A1: 2014 Safety CE-LVD: EN 62368-1: 2014/A1: 2017 CE-ROHS: 2011/65/EU Environment WEEE: 2012/19/EU Reach: Regulation (EC) No 1907/2006	Image Enhancement	BLC, HLC, 3D DNR		
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Protection		Reach: Regulation (EC) No 1907/2006		
IK10: IEC 62262: 2002	Duetesties	IP67: IEC 60529-2013		
	Protection	IK10: 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.

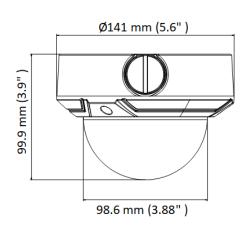
This model has NO SPECIFIC PROTECTION.

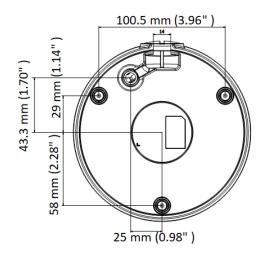
Level	Description			
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti- corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.			
Moderate protection	Hikvision products at this level 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

HWI-D640HA-Z (2.8 to 12 mm)

Dimension





Unit: mm (inch)



Accessory

Optional

- Optional				
D20-AP Adapter Plate	DS-1473ZJ-135B Wall Mount	DS-1258ZJ-L Wall Mount	DS-1281ZJ-DM23 Inclined Ceiling Mount	DS-1280ZJ-DM21 Junction Box
DS-1227ZJ	DS-1275ZJ-SUS	DS-1273ZJ-135	DS-1253ZJ-L	DS-1271ZJ-135
In-Ceiling Mount	Vertical Pole Mount	Wall Mount	Rain Shade	Pendant Mount
DS-1250ZJ	DS-1276ZJ-SUS			
Rain Shade	Corner Mount			

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