

HIKVISION®

HiWatch Series

HWI-D620HA-Z 2 MP Varifocal Dome Network Camera



- High quality imaging with 2 MP resolution
- Support Human and Vehicle Detection
- 2.8 to 12 mm motorized varifocal lens for easy installation and monitoring
- Up to 256 GB SD card slot for storage
- Water and dust resistant (IP67), vandal proof (IK10)
- EXIR 2.0: advanced infrared technology with long IR range
- Clear imaging even with strong back lighting due to DWDR technology
- Efficient H.265+ compression technology

▪ Specification

Camera	
Image Sensor	1/2.9" Progressive Scan CMOS
Max. Resolution	1920 × 1080
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 102.4° to 31.2°, vertical FOV 54.4° to 17.5°, diagonal FOV 121.8° to 35.7°
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	
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/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
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)
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Client	iVMS-4200, Hik-Connect
Web Browser	Plug-in required live view: IE 10, IE 11, Local service: Chrome 57.0+, Firefox 52.0+
Image	
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)	Digital WDR
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	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 \pm 25%, 0.8 A, max. 10 W, \varnothing 5.5 mm coaxial power plug, reverse polarity protection, PoE: 802.3af, Class 3, 36 V to 57 V, 0.32 A to 0.2 A, max. 11.5 W
Material	Metal
Dimension	\varnothing 141 mm \times 99 mm (\varnothing 5.6" \times 3.9")
Package Dimension	140 mm \times 140 mm \times 154 mm (5.5" \times 5.5" \times 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	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Language	English, Ukrainian
General Function	Heartbeat, anti-banding, mirror, password protection, privacy mask, watermark
Approval	
EMC	FCC: 47 CFR Part 15, Subpart B, 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/A11: 2017
Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006
Protection	IP67: IEC 60529-2013, 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.

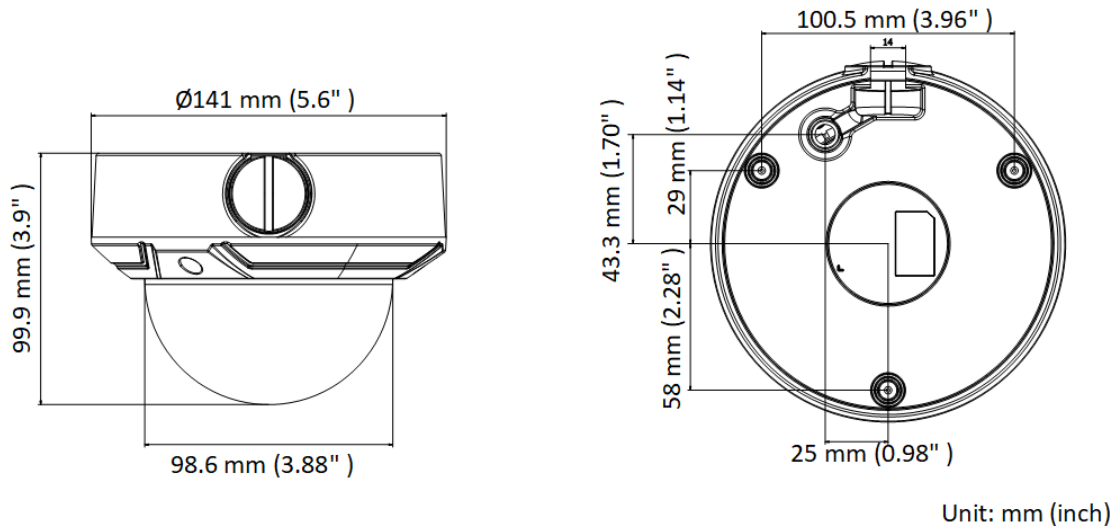
Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped 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-D620HA-Z(2.8-12mm)

▪ **Dimension**



▪ **Accessory**

▪ **Optional**

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

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