8 MP Smart Dual Light Fixed Lens Dome Network

- High quality imaging with 8 MP resolution

- Support Human and Vehicle Detection

- Smart Hybrid Dual Light: advanced technology with long range

- Efficient H.265+ compression technology

- Support on-board storage up to 512 GB (SD card slot)

- Built-in microphone for real-time audio security

- Water and dust resistant (IP67) and vandal resistant (IK08)

• Specification

Camera	
Image Sensor	1/2.4" Progressive Scan CMOS
Max. Resolution	3840 × 2160
Shutter Time	1/3 s to 1/100,000 s
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON),B/W: 0 Lux with IR
Day & Night	IR cut filter
Angle Adjustment	Pan: 0° to 355°,tilt: 0° to 75°,rotate: 0° to 355°

Lens	
Lens Type	Fixed focal lens, 2.8 and 4 mm optional
Focal Length & FOV	2.8 mm, horizontal FOV 105°, vertical FOV 55°, diagonal FOV 127° 4 mm, horizontal FOV 78°, vertical FOV 38°, diagonal FOV 96°
Lens Mount	M12
Iris Type	Fixed
Aperture	F1.6

DORI	
DORI	2.8 mm, D: 76 m, O: 30 m, R: 15 m, I: 7 m

Illuminator	
Supplement Light Type	IR,White Light
Supplement Light Range	IR: up to 30 m White Light: up to 20 m
Smart Supplement Light	Yes
IR Wavelength	850 nm

Video	
Main Stream	50 Hz: 12.5 fps (3840 × 2160,3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 15 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 20 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 20 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
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz
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)

Network

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)
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (Profile S, Profile T, Profile G (only -F model supports)),ISAPI,SDK
Protocols	TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, NTP, IGMP, IPv6, UDP, QoS, FTP, SMTP, UPnP
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Client	iVMS-4200, Guarding Vision
Web Browser	Plug-in required live view: IE 10, IE 11, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+

Image

Wide Dynamic Range (WDR)	120 dB
SNR	≥ 52 dB
Day/Night Switch	Day,Night,Auto,Schedule
Image Enhancement	BLC,HLC,3D DNR
Image Settings	Rotate mode,saturation,brightness,contrast,sharpness,gain,white balance,adjustable by client software or web browser
Privacy Mask	4 programmable polygon privacy masks

Interface

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
Built-in Microphone	Yes
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 , send email, notify surveillance center, trigger recording , trigger capture

General

Power	12 VDC ± 25%, 0.5 A, max. 6 W,Ø 5.5 mm coaxial power plug,reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 7.5 W
Material	Metal & Plastic
Dimension	Ø 121.4 mm × 97.7 mm (Ø 4.8" × 3.8")
Package Dimension	150 mm × 150 mm × 141 mm (5.9" × 5.9" × 5.6")
Weight	Approx. 550 g (1.2 lb.)
With Package Weight	Approx. 800 g (1.8 lb.)
Storage Conditions	-30 ℃ to 60 ℃ (-22 ℉ to 140 ℉). 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 etc
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, RCM: AS/NZS CISPR 32: 2015, IC: ICES-003: Issue 7
Safety	UL: UL 62368-1, CB: IEC 62368-1: 2014+A11, CE-LVD: EN 62368-1: 2014/A11: 2017, BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005
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

Anpviz products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.
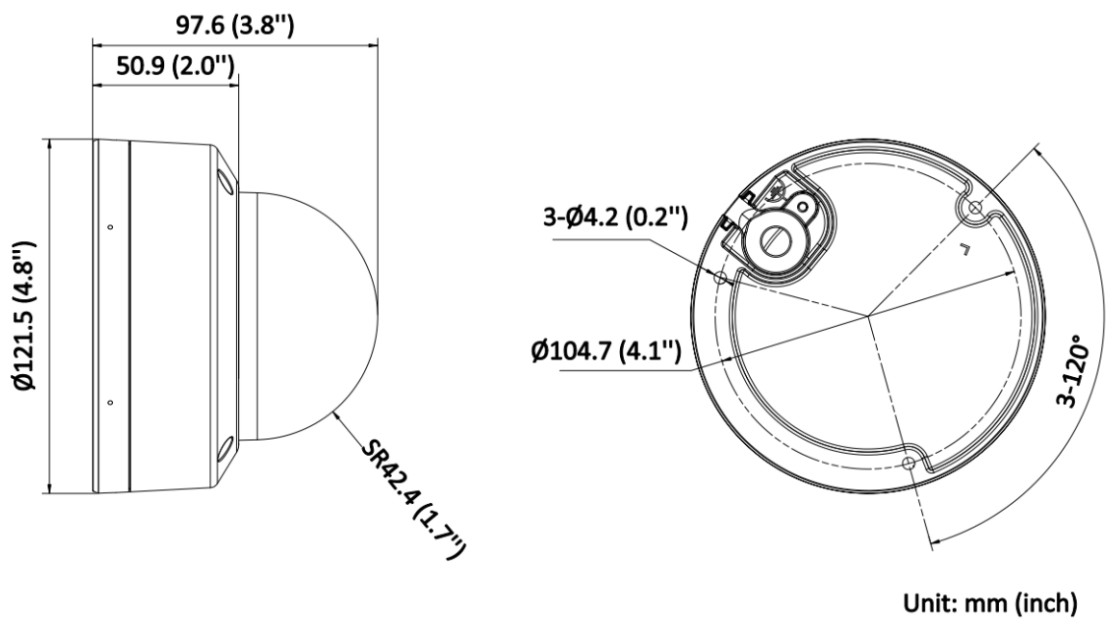
This model has NO SPECIFIC PROTECTION.

Level	Description
Top-level protection	Anpviz 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	Anpviz 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	Anpviz products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.

Available Model

IPC-D2083WD-S (2.8mm)

Dimension

97.6 (3.8")

50.9 (2.0")

Ø121.5 (4.8")

SR42.4 (1.7")

3-Ø4.2 (0.2")

Ø104.7 (4.1")

3-120°

Unit: mm (inch)

Accessory

Optional

WM1272ZJ-120 Wall Mount	JB1280ZJ-DM46 Junction Box