AVTECH X-series

ONVIF — Driving network video through global standardization

DGM8216XS

4K 30 — 8MP | **PoE** — PoE | **DWDR** — DWDR | Mobile Surveillance | **H265** — H.265 | **Star light** — Starlight
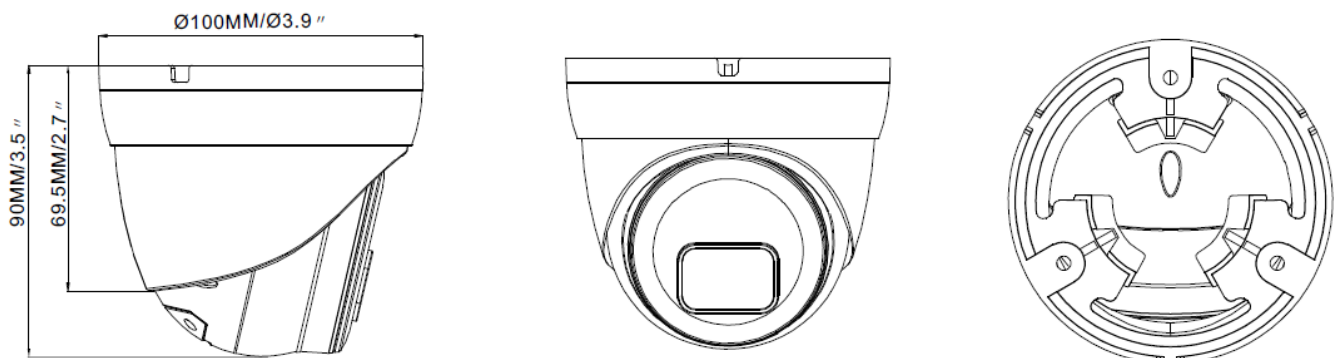
8MP H.265 IR Eyeball IP Camera

● FEATURES

- **POE (Power-over-Ethernet)** support to eliminate the use of power cables and reduce installation costs
- **ONVIF** (**Onvif**) standard supported to simplify system integration
- **DWDR** to increase image recognizability in overexposure and dark areas
- **Starlight visibility** to offer clear & color images even at night
- **Waterproof** design on the Ethernet cable connector
- **Remote Surveillance**
  - -- **Fully comp**atible with **iOS** and **Android** devices, and **Internet Explorer** on Windows operating system

● DIMENSIONS

Ø100MM/Ø3.9"

90MM/3.5"
69.5MM/2.7"

Dimensional tolerance: ± 5mm

SPECIFICATIONS*

Network

LAN Port	YES
LAN Speed	10/100 Based-T Ethernet
Supported Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, SMTP, NTP, UPnP, SNMP, HTTPS, FTP
ONVIF Compatible	YES (Profile S, Profile G, Profile T)
Security	(1) Multiple user access levels with password (2) IP address filtering (3) Digest authentication
Remote Access	Internet Explorer on Windows operating system

Video

Network Compression	/H.265 /H.264
Video Resolution	Main-Stream: 8MP (3840x2160) (1~15fps), 5MP (3072*1728)/(5292*1944), 4MP (2592x1520), 3MP(2304x1296), 1080P(1920x1080), 720P(1280x720), Sub-Stream: (1~30fps):1080P(1920x1080),720P(1280x720), VGA (640x480), QVGA (320x240) Mobile-Stream: (1~30fps): VGA (640x480), QVGA (320x240)
Frame Rate	20fps
Video bit rate	8Kbps ~ 16Mbps
Multiple Video Streaming	Triple Stream (Main / Sub / Mobile)
Bitrate control method	CBR / VBR

General

Image Sensor	1/2.7" Progressive CMOS image sensor
Min Illumination	Color 0.002Lux @(F1.2,AGC ON)
Shutter Speed	1/5 ~ 1/20000 sec
Slow shutter	Support
Lens	3.6 mm – F No. 1.6
Viewing Angle	Horizontal: 91°, Vertical: 46°, Diagonal: 109°
SD storage	No
IR Effective Distance**	Up to 30 meters
IR Shift	YES
IR LED	18 pcs (SMD)
Video Analytics	Perimeter Intrusion Detection, Line Crossing Detection, Stationary Object Detection, Pedestrian Detection, Face Detection (DEEP LEARNING), Cross Counting.
AI Face Detection	Yes (Need to do face recognition on NVR)
Digital Noise Reduction	3D DNR
WDR	DWDR
BLC	YES
ROI	YES
Privacy Mask	YES
Image Settings	Flip，Rotation，Corridor mode, Saturation, Brightness, Contrast, Hue, Sharpness adjustable
Audio	Built-in Microphone

Alarm Trigger	NO
Reset Button	NO
POE	YES (IEEE 802.3af)
Weather-proof	IP66
Operating Temperature	-30℃ ~ 55℃
Operating Humidity	90 or less relative humidity
Power Source (±10%)	12V / PoE
Power Consumption (±10%)	≤ 7W
Net Weight (kg)	0.33
Dimension	Ø100 X90mm
▒ **Others**	
Mobile Surveillance	iOS & Android mobile devices
Motion Detection	YES
Event Notification	FTP / Email / SMS
RTC (real-time clock)	YES
Minimum Web Browsing Requirements	·Intel core i3 or higher, or equivalent AMD ·2GB RAM ·AGP graphics card, Direct Draw, 32MB RAM ·Windows 10, Windows 8, Windows 7, Windows Vista & Windows XP, DirectX 9.0 or later ·Internet Explorer 7.x or later (Windows Edge not supported)

*The specifications are subject to change without notice.