AVTECH

DGM5446SVAT

5MP QSXGA	**H265**	**Star light**	⏱	*PoE*	⛏
5MP	H.265	Starlight	Motorized Lens	PoE	IK10

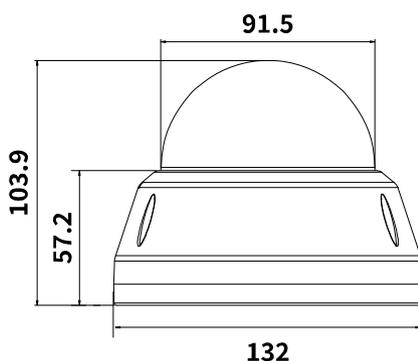|				
🚗👤	**WDR**	🎤	I/O	SD
Human / Vehicle Detection	WDR	MIC built-in	External I/O	MicroSD Card Recording

AI-based 5MP H.265 IR Dome IP Camera

○ FEATURES

- **Starlight visibility** to offer clear & color images even at night
- Equipped with a **motorized lens of f2.8 ~ 12mm**
- **AI-based human / vehicle detection** supported to avoid false detection alarms
- MicroSD card support (up to 256GB) for **video storage**
- **ONVIF** standard supported to simplify system integration
- **POE (Power-over-Ethernet)** support to eliminate the use of power cables and reduce installation costs
- **Microphone built-in** for audio recording and **line out support** for audio broadcasting
- **External Alarm I/O device** connection
- IR effective range **up to 40 meters** for night surveillance
- **WDR** to increase image recognizability in overexposure and dark areas
- **IK10** rated, vandal-resistant case to withstand attempts to open or damage the camera
- **Remote Surveillance**
  Compatible with **Internet Explorer 6** and above, **Microsoft Edge** & **Google Chrome**

○ DIMENSIONS

91.5
103.9
57.2
132

Dimensional tolerance: ± 5mm

⚙ SPECIFICATIONS

■ Device

Image Sensor	1/2.8" SONY CMOS
Max. Resolution	2560x1944
Lens	f2.8 ~ 12mm / F1.6 ~ F2.2
Viewing Angle	Tele 40˚ ~ Wide 117˚ (Diagonal)
Min Illumination	0.001 Lux (IR LED off), 0 Lux (IR LED on)
Shutter Speed	AUTO, 1/25s ~ 1/100000s
IR LED	4 units
IR Effective Distance	Up to 40 meters
Day / Night	YES
WDR Mode	YES (120dB)
RTC (real-time clock)	YES
MicroSD Card Slot	YES (up to 256GB)

■ Video

Compression		H265 / H.264
Video Resolution	Main Stream	5MP (2592x1944) / 4MP (2560x1440) / 3MP (2304x1296) / 2MP (1080P) / 720P
	Sub Stream	D1 / VGA / 640x360 / 480x360 / CIF
Frame Rate		5MP @ 25FPS
Video Profile		High profile / Main profile / Base profile
Multiple Video Streaming		2 streams
Bitrate Control		32Kbps - 8Mbps, VBR/CBR
Image Enhancement		WDR / BLC / HLC / 2D DNR / 3D DNR / AWB / MWB / AGC
Day / Night Switch		Auto / Color / (B/W) / Timing
Forced Anti-flicker		YES
Defog		YES
White Balance		Auto / Manual
Image Orientation		Rotate / Mirror
Privacy Mask		YES
Text Overlay		YES
OSD Title		Location / font size / text configurable; text input (English & Chinese characters) and image upload (BMP) supported

■ Audio

Microphone built-in	YES
Line out	YES
Encoding	G.711-u / G.711-a
Audio Adjustment	YES

■ Alarm & Event

Alarm in	YES
Alarm out	YES
Detection Mode	Motion / Human / Vehicle / Alarm Detection
Detection Schedule	YES
Motion Detection Area	1x1, 2x2, 3x2, 3x3, 4x3, 4x4, 8x8, 16x16, 22x18
Human / Vehicle Detection Alert	Audio alert with customized mp3 audio file(s)

.*The specifications are subject to change without notice. .

⊙ SPECIFICATIONS (CONTINUED)

■ Storage

On-Board Storage	Built-in memory card slot, supports microSD / SDHC / SDXC card up to 256GB
Overwrite	YES
Maximum Recoding Time / per File	1, 2, 3, 5, 10, 20 & 30 minutes configurable
Recording Schedule	YES

■ Network

LAN Port	RJ45 connector x 1 / 4KV lightning-proof
LAN Speed	100Mbps Based-T Ethernet
Supported Protocols	HTTP / RTSP / FTP / SMTP / DHCP / NTP / NFS / RTMP
ONVIF Compatible	Onvif 17.06 compatible
Number of Online Users	6
Remote Access	Internet Explorer 6 and above (recommended), Microsoft Edge & Google Chrome

■ General

Web Interface Language	English, Traditional Chinese, Simplified Chinese, Russian, German, Italian, Turkish, Korean
Operating Temperature	-30℃ ~ 60℃
Operating Humidity	10%-90%RH
POE	IEEE 802.3af
Power Source (±10%)	PoE / DC12V
Power Consumption (±10%)	< 8 W
Net Weight (g)	649.5
Casing	IP66 / IK10
Optional Bracket / Junction Box	AVA145-WHKT / AVA43BK-WBKT
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, DirectX 9.0 or later • Internet Explorer 6 and above (recommended), Microsoft Edge & Google Chrome

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