Digital Security System

DISS

180° Panoramic H.265+ Mini Dome Network Camera

H.265+ HEVC | Starlight | Super WDR | IR | Weather Proof | Vandal-proof
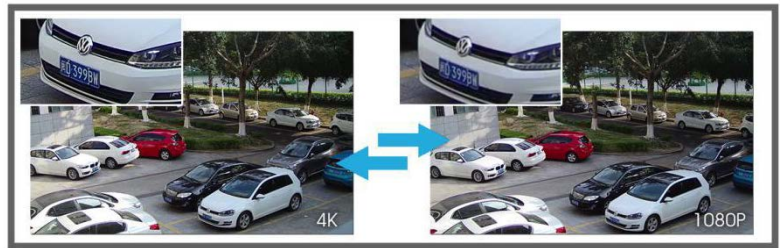
Mic | SDXC | POE | GQST ONVIF | VCA

IP67

IK10

KEY FEATURES

- ▶ Smart Stream (Bandwidth, storage and bit rate are saved with Smart Stream On, eg, H.265 saves 70%~80% bandwidth that of H.264.)
- ▶ 120dB Super WDR (Excellent performance even when the ratio of the luminosity of brightest and darkest is up to 120dB.)
- ▶ Advanced Functions (Boasting to support various advanced functions such as HLC, Defog, ROI.)
- ▶ 256G (Supporting ultra-large external microSD/SDHC/SDXC card storage up to 256G.)
- ▶ Integrated Junction Box (Ensuring the hassle-free installation and reliable operation with neat cable management.)
- ▶ Video Content Analysis (With 10 detection modes, VCA greatly enhances the performance bringing comprehensive surveillance functions.)

4K Video Viewing Experience

4K H.265 Network Camera delivers up to 4K resolution (3840*2160, effectively four times that of Full HD) at 15 frames per second (fps), providing users with ultra-high-definition video viewing experience.

180° Panoramic View

The camera is perfect for whole picture viewing experience. It catches 180° horizontal coverage and 95° vertical coverage, achieving 180° panoramic viewing with only single sensor, which is a revolutionary creation in the dome model.

Advanced Built-in Microphone

With the built-in microphone which adopts the advanced codec, the camera is able to provide clearer voice. It applies PTFE Membrane to safeguard the built-in microphone, ensuring IP67-rated weather proof capability for reliable performance

Integrated Junction Box

Coming with the integrated junction box, Milesight Network Camera not only brings a simplified installation with better aesthetics and professional look of the video surveillance system, but also provides higher operation stability.

180° Panoramic H.265+Mini Dome Network Camera

Model	DI-PMD50 (5MP)	DI-PMD80 (4K)
Camera		
Image Sensor	1/2.8" Progressive Scan CMOS	
Min. Illumination	Color: 0.005Lux@F1.2 Color: 0.008Lux@F2.0 B/W: 0Lux with IR on	Color: 0.01Lux@F1.2 Color: 0.012Lux@F2.0 B/W: 0Lux with IR on
WDR	120dB Super WDR	
Lens	1.68mm@F2.0	
Mount	M12	
Field of View	H180°/V95°	H180°/V86°
Shutter Time	1/100000s~1s	
IR Distance	Up to 15m	
Day/Night Mode	Day/Night/Auto/Customize/Schedule	
S/N	>55dB	
Video		
Max. Image Resolution	2592x1944 (Original)	3840x2160
Primary Stream	30fps@(2592x1944)(Original), 30fps@(2560x1440, 1920x1080, 1280x720)	15fps@(3840x2160, 3440x1936), 25fps@(3200x1800), 30fps@(2880x1620, 2560x1440, 1920x1080, 1280x720)
Secondary Stream	30fps(640x480, 640x360, 320x240)	30fps@(704x576, 640x480, 640x360, 320x240)
Tertiary Stream	30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180)	
Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	
Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)	
Privacy Masking	Up to 8 areas	
ROI	Up to 8 areas	
Image Setting	Brightness/Contrast/Saturation/Sharpness	
Interface		
Ethernet	1*RJ45 10M/100M Ethernet Port	
Audio Interface	Built-in Microphone	
Network		
Network Storage	NAS(Support NFS, SMB/CIFS), ANR	
Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL	
Audio		
Audio Compression	G.711/AAC/G.722/G.726	
Audio Sampling Rate	8/16/32/48KHz	
Audio Bit Rate	16~256kbps	
Two-way Audio	Support	

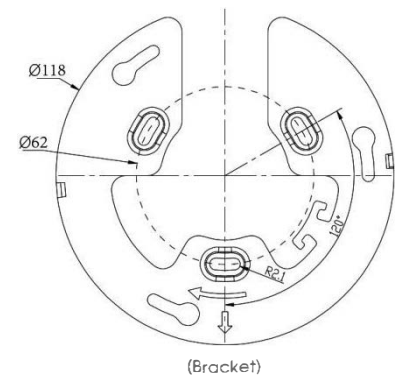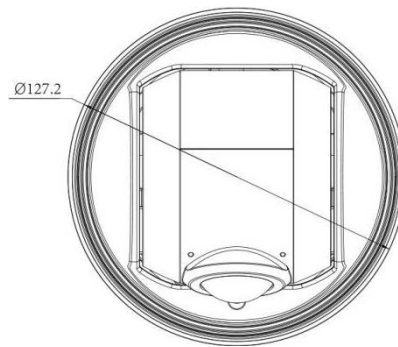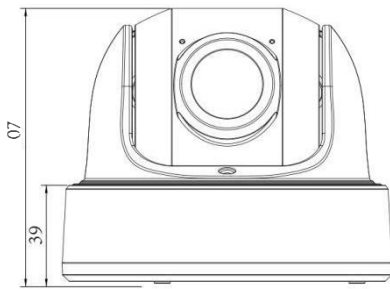# 180° Panoramic H.265+Mini Dome Network Camera
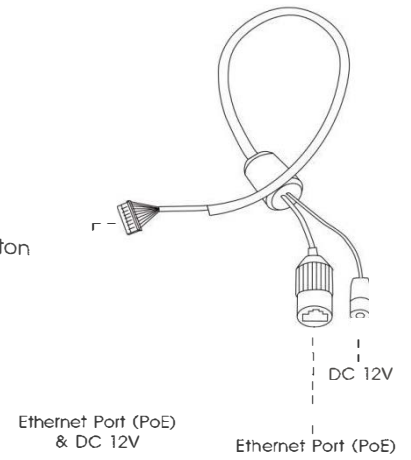
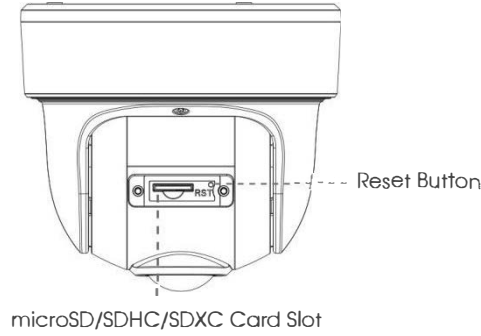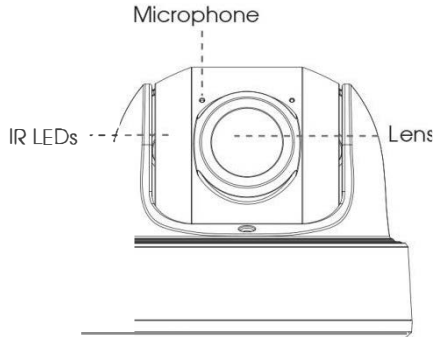|		
System	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256G
	Advanced Function	Heat Map, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark
	SIP/VoIP Support	Yes, Voice & Video-over-IP
	Event Trigger	Motion Detection, Network Disconnection, Audio Alarm, etc.
	Event Action	FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc.
	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed
	System Compatibility	ONVIF Profile G & Q & S & T, API
General	Working Temperature	-40℃~60℃
	Working Humidity	0~90%(Non-condensing)
	Power Supply	PoE (802.3af) / DC 12V±10%
	Power Consumption	5W MAX 8.5W MAX (With IR on) 5.5W MAX 9W MAX (With IR on)
	Weather Proof	Up to IP67-rated for Weather-resistant Performance
	Housing	Vandal-proof IK10-rated Metal Housing
	Weight	853g
	Dimensions	Φ127mmX107mm

Structure Diagrams

Microphone

IR LEDs — Lens

Reset Button

microSD/SDHC/SDXC Card Slot

DC 12V

Ethernet Port (PoE)
& DC 12V

Ethernet Port (PoE)

Ø127.2

Ø118

Ø62

(Bracket)

Units: mm

Accessories Support

A01 Pole Mount

Weight: 720g
Dimensions: 170*51.5*152.6mm

A02 Internal Corner Bracket

Weight: 540g
Dimensions: 170*23.2*205.3mm

A03 External Corner Bracket

Weight: 900g
Dimensions: 170*152.6*76.3mm

A71 Wall Mount

Weight: 530g
Dimensions: 162*124*78 mm