



PRO 

IR Lite Dome

2MP/5MP/8MP Dome Network Camera

AI Video Analytics

- 8 intelligent VCA modes powered by AI engine, which can intelligently filter objects to focus on human and vehicle detection.
- People Counting technology provides high accuracy and real-time data based on AI algorithm with statistic reports.
- Face Detection function detects human faces in the monitoring scene and captures the snapshots, which greatly enhances the monitoring efficiency.

140dB Super WDR

Sensor-based WDR technology allows the camera to record greater scene details with true color reproduction even under the extreme back light and high contrast conditions. The ratio that the brightest light signal values divided by the darkest light signal values is up to 140dB.

30fps@4K

Providing 4K HD resolution with frame rate of 30fps, the camera performs well in catching detailed image regardless of the moving speed.

Easy Installation & Adjustment

With a built-in RJ45 port, PoE functionality and 3-axis mechanical design, the installation steps of IR Mini Dome Camera are as easy as ABC.

FEATURES

- Smart IR II.
- Advanced Functions HLC, Defog, ROI.
- Built-in Microphone
- microSD/SDHC/SDXC card storage up to 256GB.
- Smart Stream saves on H.265+ 70%~80% bandwidth that of H.264.



PRO SERIES


TECHNICAL SPECIFICATION

CAMERA

	MV-P229-ILD (2MP)	MV-P529-ILD (5MP)	MV-P829-ILD (4K)
Image Sensor	1/2.8" Progressive Scan CMOS		
Min. Illumination	Color: 0.002Lux@F1.2 Color: 0.005Lux@F1.6 B/W: 0Lux with IR on	Color: 0.005Lux@F1.2 Color: 0.008Lux@F1.6 B/W: 0Lux with IR on	Color: 0.01Lux@F1.2 Color: 0.012Lux@F1.6 B/W: 0Lux with IR on
WDR	140dB Super WDR	120dB Super WDR	
Lens	2.8mm/4mm/6mm@F1.6		
Mount	M12		
Field of View	H111°/D128°/V61°(2.8mm) H91°/D106°/V50°(4mm) H55°/D63°/V32°(6mm)	H105°/D131°/V78°(2.8mm) H86°/D108°/V63°(4mm) H52°/D63°/V40°(6mm)	H110°/D126°/V60°(2.8mm) H91°/D106°/V50°(4mm) H55°/D63°/V32°(6mm)
Shutter Time	1/100000s~1s		
IR Distance	Up to 20m		
Day/Night Mode	Day/Night/Auto/Customize/Schedule		
S/N	>55dB		

VIDEO

	1920x1080	2592x1944	3840x2160
Max. Image Resolution	1920x1080	2592x1944	3840x2160
Primary Stream	60Hz: 60fps@(1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 50fps@(1920x1080, 1280x960, 1280x720, 704x576)	60Hz: 30fps@(2592x1944), 45fps@(2048x1536), 60fps@(1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 25fps@(2592x1944), 45fps@(2048x1536), 50fps@(1920x1080, 1280x960, 1280x720, 704x576)	60Hz: 30fps@(3840x2160, 3072x2048, 2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 25fps@(3840x2160, 3072x2048, 2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576)
Secondary Stream	60Hz: 60fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180) 50Hz: 50fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)	60Hz: 30fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180) 50Hz: 25fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)	
Tertiary Stream	60Hz: 30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180) 50Hz: 25fps@(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 28 areas(24 mask areas and 4 mosaic areas)		
ROI	Up to 8 areas		
Image Setting	Brightness/Contrast/Saturation/Sharpness		

INTERFACE

Ethernet	1*RJ45 10M/100M Ethernet Port
Audio I/O	Built-in Microphone

TECHNICAL SPECIFICATION

NETWORK

	MV-P229-ILD (2MP)	MV-P529-ILD (5MP)	MV-P829-ILD (4K)
Network Storage	NAS(Support NFS, SMB/CIFS), ANR (Automatic Network Replenishment)		
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	8/16/32/44.1/48KHz
Audio Bit Rate	16~256kbps
Two-way Audio	N/A

INTELLIGENT ANALYTICS

Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed
Face Detection	Detect and capture faces, get real-time snapshots
People Counting& Report	Count the number of people entering or exiting, up to 4 detection areas for regional people counting

SYSTEM

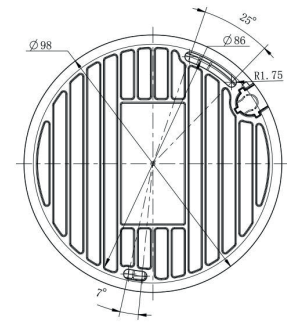
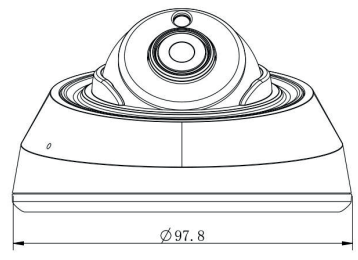
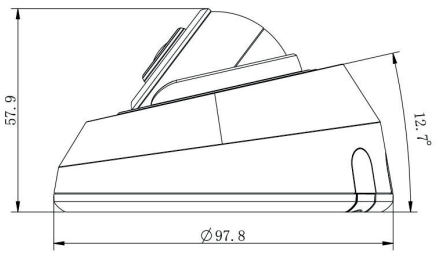
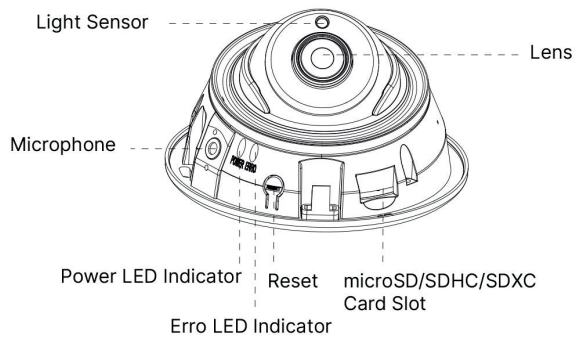
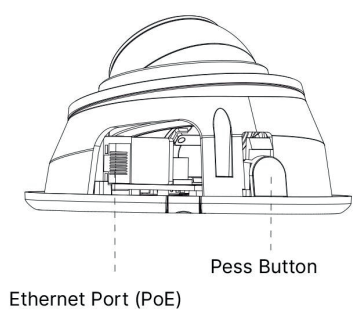
Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256GB
Advanced Function	Heat Map, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark
SIP/VoIP Support	Yes, Voice & Video-over-IP
Event Trigger	Motion Detection, Network Disconnection, Audio Alarm, etc.
Event Action	FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc.
System Compatibility	ONVIF Profile G & Q & S & T, API

GENERAL

Working Temperature	-40°C~60°C	
Working Humidity	0~90%(Non-condensing)	
Power Supply	PoE (802.3af)	
Power Consumption	4W MAX 6W MAX (With IR on)	5W MAX 7W MAX (With IR on)
Weight	200g	
Dimensions	Φ97.8mmX57.9mm	
Warranty	3/5 Years	

PRO SERIES ⚙️

STRUCTURE DIAGRAMS



Units: mm

ACCESSORIES

A01 Pole Mount
Weight: 720g
Dimensions: 170*51.5*152.6mm



A03 External Corner Bracket
Weight: 900g
Dimensions: 170*152.5*76.3mm



A71 Wall Mount
Weight: 530g
Dimensions: 162*124*78 mm



A82 Recessed Mount
Weight: 475g
Dimension: Φ168.7*91.3mm

