



PRO 

Weather Proof Lite Bullet FEATURES

2MP/5MP/8MP Fixed Bullet Weather Proof Lite 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.

0.002Lux Ultra Low-light

The starlight camera is able to deliver high detailed color images even in low light environment reaching 0.002Lux(Color) or 0lux(B/W), and near infrared light environments without any supplementary lighting.

30fps@4K

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

IP67&1K10

Supporting IP67-rated weather proofing and IK10-rated vandal proof which are the leading level of the industry, the camera is well protected against adverse impact to ensure the performance.

- Powerful IR LEDs.
- 140dB Super WDR.
- microSD/SDHC/SDXC card storage up to 256GB.
- Adjustable 3-Axis Bracket.
- Advanced Functions HLC, Defog, ROI.



PRO SERIES

TECHNICAL SPECIFICATION

CAMERA

| | MV-P228-WPB (2MP) | MV-P528-WPB (5MP) | MV-P828-WPB (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 | 4mm/2.8mm/6mm@F1.6 | | |
| Mount | M12 | | |
| Field of View | H91°/D106°/V50°(4mm) H111°/D128°/V61°(2.8mm) H55°/D63°/V32°(6mm) | H86°/D108°/V63°(4mm) H105°/D131°/V78°(2.8mm) H52°/D63°/V40°(6mm) | H91°/D106°/V50°(4mm) H110°/D126°/V60°(2.8mm) H55°/D63°/V32°(6mm) |
| Shutter Time | 1/100000s~1s | | |
| IR Distance | Up to 50m | | |
| Day/Night Mode | Day/Night/Auto/Customize/Schedule | | |
| S/N | >55dB | | |

VIDEO

| 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 | 1/1 (Multi-interface Version) |
| Alarm I/O | 1/1 (Multi-interface Version) |

PRO SERIES

TECHNICAL SPECIFICATION

NETWORK

| | MV-P228-WPB (2MP) | MV-P528-WPB (5MP) | MV-P828-WPB (4K) |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| 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 | 8/16/32/44.1/48KHz |
| Audio Bit Rate | 16~256kbps |
| Two-way Audio | Support |

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

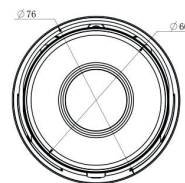
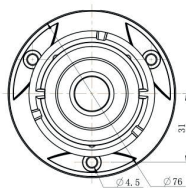
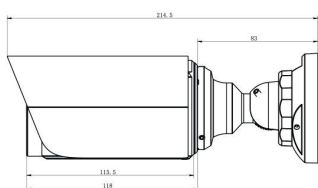
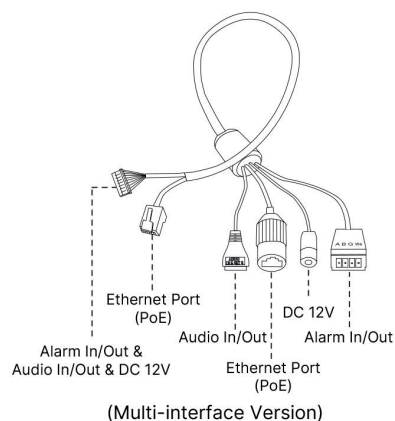
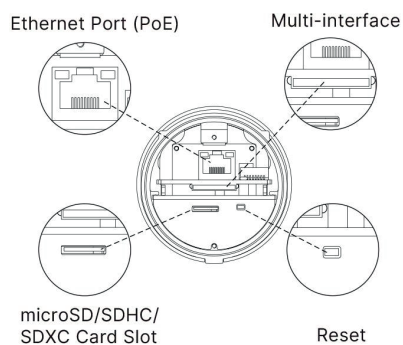
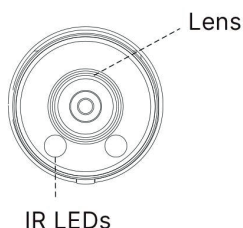
| | |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage | Support microSD/SDHC/SDXC Card Local Storage, up to 256GB |
| 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, etc.; Motion Detection, Network Disconnection, External Input, Audio Alarm, etc. (Multi-interface Version). |
| Event Action | FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc.; FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc. (Multi-interface Version) |
| 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); PoE (802.3af) / DC 12V±10% (Multi-interface Version) | |
| Power Consumption | 4W MAX 6W MAX (With IR on) | 5W MAX 7W MAX (With IR on) |
| Weather Proof | Up to IP67-rated for Weather-resistant Performance | |
| Housing | Vandal-proof IK10-rated Metal Housing | |
| Weight | 750g | |
| Dimensions | Φ76mmX214.5mm | |
| 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



A63 Junction Box

Weight: 620g
Dimensions: 134*126*40mm

