

**PRO** 

LPR Ultra Bullet

LPR GCC Version

AI-powered LPR Algorithm

Based on AI algorithm, the LPR function provides value-added data via a pre-trained deep learning model, which can not only recognize vehicle plates in real time with high accuracy, but also identify more vehicle features, like vehicle type, color, etc., generating powerful security and traffic insights.

Integrated Cable Management Bracket

Integrated Cable Management provides easier and faster installation for the users. Versatile interfaces such as PoE, DC, Audio I/O and Alarm I/O are available. The well-designed integrated junction box also makes the cable connection neat and tidy.

3 in 1 Super WDR Pro & 0.002Lux Ultra Low-light

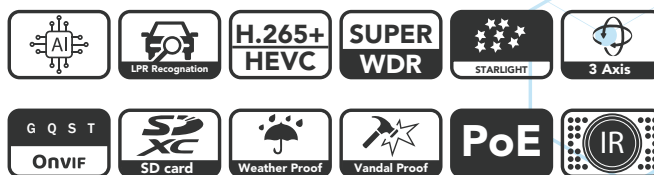
140dB Super WDR Pro combines 3 frames with multiple exposures to get the optimal images especially moving subjects in high contrast lighting situations. Meanwhile, the cameras can capture full-color images in extremely low-light conditions reaching 0.002Lux without extra light supplement.

100fps

With the industry leading frame rate reaching 100fps, the cameras can easily catch images with no latency despite of the high-speed movement, which is the best choice for the demanding requirements especially for intelligent cameras.

FEATURES

- Smart IR II Combining the High Beam and Low Beam to adjust IR intensity.
- Smart Stream saves on H.265+ 70%~80% bandwidth that of H.264.
- P-Iris (Giving you a more clear scene with depth of view.)
- Defog (Restoring clear images in hazy and foggy weather.)
- microSD/SDHC/SDXC card storage up to 256G.



PRO SERIES

TECHNICAL SPECIFICATION

CAMERA

	MV-P228-LUB (2MP)	MV-P528-LUB (5MP)
Image Sensor	1/2.8" Progressive Scan CMOS	
Min. Illumination	Color: 0.002Lux@F1.2 Color: 0.005Lux@F1.4 B/W: 0Lux with IR on	Color: 0.002Lux@F1.2 Color: 0.005Lux@F1.4 B/W: 0Lux with IR on
WDR	140dB Super WDR (Super WDR Pro is optional for T Series)	120dB Super WDR
Shutter Time	1/100000s~1s	
IR Distance	Up to 65m(3.0~10.5mm/2.7~13.5mm) Up to 100m(7~22mm)	
Day/Night Mode	Day/Night/Auto/Customize/Schedule	
S/N	>55dB	

LENS

Lens	Motorized 2.7~13.5mm/3.0~10.5mm/7~22mm@F1.4 P-Iris(Optional)	
Field of View	H113°~H33°/D130°~D38°/V60°~V18° (2.7~13.5mm) H104°~H34°/D120°~D39°/V57°~V19° (3.0~10.5mm) H45°~H17°/D53°~D20°/V25°~V9° (7~22mm)	H113°~H33°/D130°~D38°/V60°~V18° (2.7~13.5mm) H104°~H34°/D120°~D39°/V57°~V19° (3.0~10.5mm) H45°~H17°/D53°~D20°/V25°~V9° (7~22mm)
Mount	Ø14	
Focus Control	Auto/Manual	
Iris Control (Optional for I Series)	Auto/Manual	

LPR

Max. Vehicle Speed	200km/h
Recognition Accuracy	>95%
Coverage	Support simultaneous detection of 4 regions
White/Black List	Up to 1000 records inside the camera
Smart Traffic Detection	License Plate Recognition, Plate Type Classification, Plate Color Recognition, Vehicle Type Classification, Vehicle Color Recognition

VIDEO

Max. Image Resolution	1920x1080	2592x1944
Primary Stream	60Hz: 100fps@(1920x1080)(Optional for T Series), 60fps@(1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 100fps@(1920x1080)(Optional for T Series), 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)
Secondary Stream	60Hz: 60fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180) 50Hz: 50fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)	60Hz: 60fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180) 50Hz: 50fps@(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	

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TECHNICAL SPECIFICATION

INTERFACE

	MV-P228-LUB (2MP)	MV-P528-LUB (5MP)
Ethernet	1*RJ45 10M/100M Ethernet Port	
Audio I/O	1/1	
Alarm I/O	1/1	

NETWORK

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	Support

SYSTEM

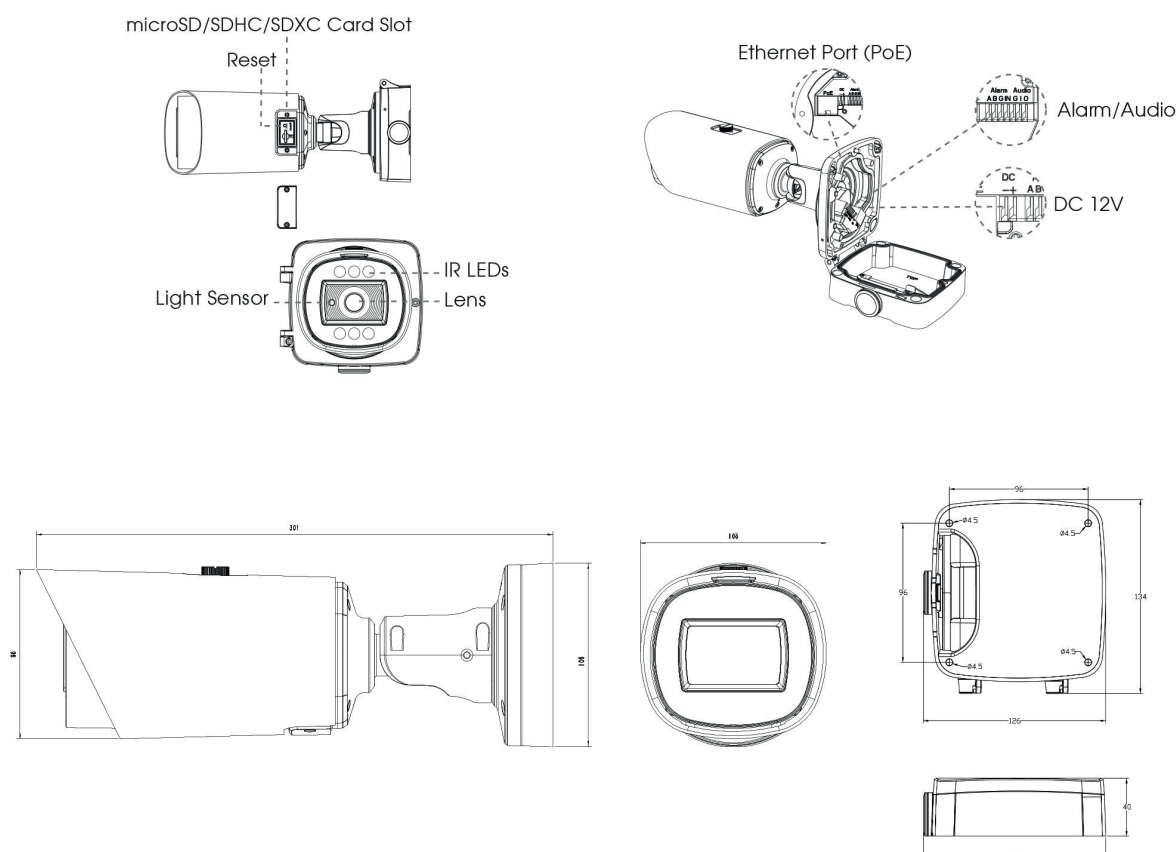
Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256Gb
Advanced Function	BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark
SIP/VoIP Support	Yes, Voice & Video-over-IP
Event Trigger	Black/White List, Motion Detection, Network Disconnection, Audio Alarm, External Input, etc.
Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, 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) / DC 12V±10%	
Power Consumption	8W MAX 16W MAX (With IR on)	9W MAX 12.5W MAX (With IR on)
Housing	Vandal-proof IK10-rated Metal Housing / Up to IP67-rated for Weather-resistant Performance	
Weight	1630g	
Dimensions	320mmX134mmX126mm	
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



A62 Junction Box

Weight: 510g
Dimensions: 134*126*40mm

