



PRO 

LPR Ultra Radar Bullet FEATURES

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.

Advanced 3D Radar Technology (Optional)

The Microview 3D radar can locate the vehicle position and direction with high accuracy. Verified by AI-powered LPR algorithm, the Microview 3D radar technology can precisely identify detection distance, speed capture and flow control, greatly optimizing traffic monitoring, and ensuring the safety of public transport.

- 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.
- HLC (Improving image visibility under strong light sources.)
- Defog (Restoring clear images in hazy and foggy weather.)
- microSD/SDHC/SDXC card storage up to 256GB.



3 in 1 Super WDR Pro -140dB

Microview upgraded 3 in 1 Super WDR Pro outputs three frames each line, which is able to bring more details especially moving subjects. What's more, it greatly improves image quality for reducing smear and noisy points. The ratio that the brightest light signal values divided by the darkest light signal values is up to 140dB.

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.



PRO SERIES


TECHNICAL SPECIFICATION

CAMERA

	MV-P220-LURB (2MP)	MV-P228-LURB (2MP)	MV-P528-LURB (5MP)
Image Sensor	1/2" Progressive Scan CMOS		1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.001Lux@F1.2 Color: 0.002Lux@F1.6 B/W: 0Lux with IR on	Color: 0.002Lux@F1.2 Color: 0.005Lux@F1.4 B/W: 0Lux with IR on	Color: 0.005Lux@F1.2 Color: 0.008Lux@F1.6 B/W: 0Lux with IR on
WDR	140dB Super WDR Pro	140dB Super WDR (Super WDR Pro is optional for T Series)	120dB Super WDR
Shutter Time	1/100000s~1s		
IR Distance	Up to 180m		
Day/Night Mode	Day/Night/Auto/Customize/Schedule		
S/N	>55dB		

LENS

	8~32mm, 4X Optical Zoom	5.3~64mm, 12X Optical Zoom	
Field of View	H44°~H13°/D51°~D15°/V25°~V7°	H61°~H5°/D69°~D5°/V36°~V2°	H57°~H4°/D69°~D5°/V44°~V1°
Mount	Ø14		
Focus Control	Auto/Manual		
Aperture	F1.6~F1.7	F1.6~F2.8	
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

RADAR (Optional)

Working Frequency	60GHz, 61~62GHz
Capture Rate	>99% (Traffic jam >95%)
Lane Coverage	1~4 Lanes (Recognition ≥95% individually)
Tracking Target	Up to 32
Speed Detection Range	±5km/h~±200km/h
Speed Detection Accuracy	±0.36km/h
Detection Distance	Up to 90m
Distance Detection Accuracy	±0.4m
Angle Measurement Accuracy	±0.5°
Installation Height	2~7m

TECHNICAL SPECIFICATION

VIDEO

	MV-P220-LURB (2MP)	MV-P228-LURB (2MP)	MV-P528-LURB (5MP)
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: 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
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

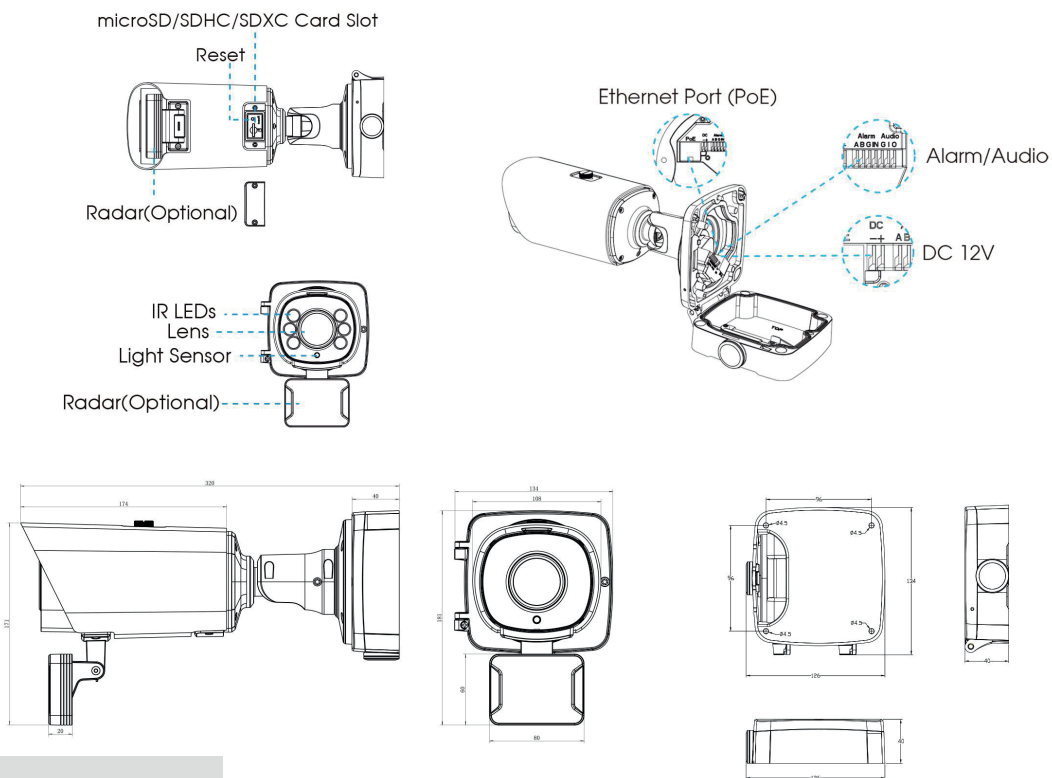
Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256Gb
Advanced Function	BLC, HLC, 2D DNR, 3D DNR, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark
SIP/VoIP Support	Yes, Voice & Video-over-IP
Event Trigger	Black/White List, Motion Detection, Network Disconnection, External Input, Audio Alarm, 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

PRO SERIES

GENERAL

Working Temperature	-40°C~60°C		
Working Humidity	5~90%(Non-condensing)		
Power Supply	PoE (802.3at) / DC 12V±10%		
Power Consumption	8W MAX 14W MAX (With IR on)	9W MAX 12.5W MAX (With IR on)	8W MAX 13W MAX (With IR on)
Weather Proof	Up to IP67-rated for Weather-resistant Performance		
Housing	Vandal-proof IK10-rated Metal Housing (Without Radar Module)		
Surge Protection	4KV		
Weight	1445.8g 1623g (With radar module)		
Dimensions	320mmX134mmX126mm 320mmX134mmX171mm (With radar module)		
Warranty	3/5 Years		

STRUCTURE DIAGRAMS



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



Units: mm