Panasonic

PM-PA4ULVR-W

4MP Varifocal ANPR Bullet IP Camera 4.3x Motorized Zoom

The Panasonic 4MP Varifocal ANPR (Automatic Number Plate Recognition) Bullet Network Camera is a high-performance surveillance solution designed for precise and reliable vehicle identification across diverse traffic environments. Featuring a 4-megapixel sensor, motorized varifocal lens, and built-in ANPR analytics, this camera captures number plates with exceptional clarity, even in challenging lighting or high-speed scenarios. Its robust bullet design ensures durability for outdoor installations, while seamless integration with network based security and traffic management systems.



ONVIF® NDAA COMPLIANT H.265+ H.265 H.264 JPEG SECURE SSL ENCRYPTION IP67 AI

Key Features

- 4MP Varifocal ANPR bullet network camera
- 4.3x Optical Zoom
- 120dB Wide Dynamic Range
- Color Night Vision: Color: 0.001lux@F1.6, AGC ON
- IR range: 50~70m
- IP67 protection from dust and water
- Advanced encryption and access control
- NDAA

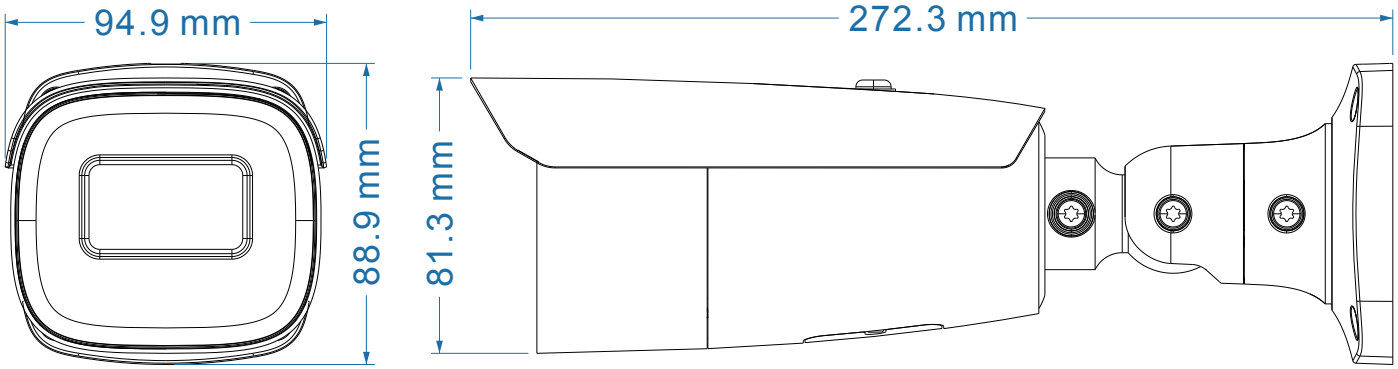
Specifications

CAMERA	
Type	4MP Varifocal ANPR Bullet Network Camera
Image Sensor	1/1.8" CMOS
Max Resolution	4MP (2688×1520)
Electronic Shutter	1/1s~1/100000 s
Min. Illumination	Color: 0.001lux@F1.6, AGC ON
IR Distance / Light Range	50~70m
LENS	
Focal length	2.8~12mm@F1.6
Focus	Motorized
Iris Type	DC AUTO
Optical zoom	4.3x (Motorized zoom)
Lens Mount	
Angular Field of View	H.FoV: 100°~48.5° V.FoV: 54 °~26.5° D.FoV: 119°~ 55.8°
Day & Night	ICR
IMAGE	
Video Compression	Mainstream: H.265+/H.265/H.264+/H.264 Sub/third stream: H.265+/H.265/H.264+/H.264/MJPEG
Supported Resolution	4MP (2688×1520) 2K (2560×1440) 3MP (2304×1296) 1080P (1920×1080) 720P (1280×720) D1(704×480) CIF(352×288)
Number of Supported Stream	3
Mainstream	60Hz: 4MP/2K/3MP/1080P/720P (1~30fps) 50Hz: 4MP/2K/3MP/1080P (1~25fps) HFR Mode: 60Hz:1080P (1~60fps) 50Hz: 1080P (1~50fps)
Sub Stream	60Hz: 720P/D1/CIF (1~30fps) 50Hz: 720P/D1/CIF (1~25fps)
Third Stream	60Hz: D1/CIF (1~30fps) 50Hz: D1/CIF (1~25fps)
Bit Rate	64Kbps~8Mbps
Bit Rate Type	VBR/CBR
Image Settings	ROI Saturation Brightness Hue Contrast Wide Dynamic Sharpness Image Mirror Image Flip NR etc. adjustable through client software or web browser
Audio Compression	G711A/U
Region Of Interest	Each ROI to be configured separately
OPERATIONAL	
Wide Dynamic Range(WDR)	120dB
Back Light Compensation (BLC)	Yes
High Light Compensation (HLC)	Yes
Defog	-
Digital Noise Reduction (DNR)	Yes
S/N ratio	⩾ 50dB
Angle Adjustment	Pan: 0°~360° Tilt: 0°~90° Rotation: 0°~360°
ANPR CAMERA DETAILS	
Recommended ANPR Distance	3~8m
Snapshot	Original image (4MP resolution) license plate image
Vehicle Plate Database	10000 with NVR
License Plate Detection & Recognition	Capture of vehicles with license plates and vehicles without license plate Support plate exposure Travel direction recognition Plate character fault tolerance Plate comparison Snapshot time display Vehicle feature extraction: including vehicle color, plate color, vehicle type, vehicle brand/model, etc.

Specifications

Capture Speed Range	0~80km/h
Capture Rate	In the recommended installation and lighting condition, the vehicle capture rate: ≥ 99%
LPR Accuracy Rate	Entrance & Exit: ≥ 99%; Road: ≥ 98% (Under recommended installation and lighting condition)
Wiegand	Yes (26bit)
ENTRANCE / EXIT	
Barrier Gate Control Mode	Camera or Platform control
Relay Output	1-ch relay output Supporting opening/closing/suspending of a barrier gate
Screen Display	Support connecting a screen through RS485 interface to display captured license plates
INTERFACES	
Network	RJ 45 10M/100M self-adaptive Ethernet port
Video	CVBS output (BNC x1)
Audio	1CH audio input 1CH audio output
Storage	Built-in micro SD card slot, up to 256GB
Alarm	1CH alarm input 1CH alarm output
RS485	Yes
OTHER ANALYTICS	
Motion Detection	-
Smart Alarm	Motion detection Sensor alarm SD card full, SD card error IP address conflict Cable disconnection Audio alarm
Smart Event	-
FUNCTIONS	
Remote Monitoring	Web browser NVR Panasonic VMS 2.X Mobile APP
Web Browser	Chrome 89.0+ Edge 89.0+ Firefox 87.0+ Safari 14.0+
Online Connection	Support simultaneous monitoring for up to 10 users Support multi-stream real time transmission
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, PPPoE, DDNS SMTP, FTP, 802.1x, SNMP, UPnP, RTMP, HTTP, HTTPS HTTP POST, P2P, QoS
Interface Protocol	ONVIF Profile S/G/M
Other Functions	Watermark IP address filtering Video mask Heartbeat ANR Cloud upgrade
Security	Video encryption Firmware encryption HTTPS encryption Configuration encryption Illegal login lock IP address filtering 802.1x authentication Basic and digest authentication for HTTP/RTSP NDAA
GENERAL	
Power Supply	AC24V / DC12V / PoE
PoE	Yes , IEEE802.3af/at
Power Consumption	< 12W
Weather Protection	IP67 protection from dust and water
Operating Environment	-30°C~60°C (-22°F~140°F) Humidity: less than 95% (non-condensing)
Storage Environment	-30°C~65°C (-22°F~149°F) Humidity: less than 95% (non-condensing)
Dimensions (mm)	272.3×94.9×88.9
Weight (net)	Approx.1.176KG
Installation	Ceiling mounting Wall mounting
Certificate	EMC: EN 55032:2015+A11:2020 EN 55035:2017+A11:2020 Safety: EN IEC 62368-1:2020+A11:2020 RoHS: 2011/65/EU

Appearance



Optional Accesories

Mount Bracket



PM-YH0302-W
Junction box aluminium, Base part



PM-YH0302-W+
PM-YZJ0501-W
Pole Mount Bracket



PM-YH0302-W+
PM-YZJ0601-W
Corner Mount Bracket



PM-YH0302-W+
PM-YZJ0811-W
Ceiling Mount Bracket

Disclaimer:
Panasonic accepts no responsibility or liability for the performance of the network, nor for any third-party products used in conjunction with this system.
Product dimensions and masses are approximate. Specifications are subject to change without notice.