

# VAL-AZ-4MP-M-12

## SYSTEM OVERVIEW

Advanced series is an equipped with a high intensity zoom lens, delivers unparalleled image quality with its 4MP resolution and built in 4.7mm - 56.4mm lens, 12x optical zoom and 16x digital zoom. Unmatched True wide dynamic range (WDR) capability ensures that scenes are faithfully reproduced without excessively dark or bright areas being compromised,.

The WDR capability also ensures much more accurate colour rendition over the entire scene. The camera comes with smart IR LED's covering a distance of up to 80m range.

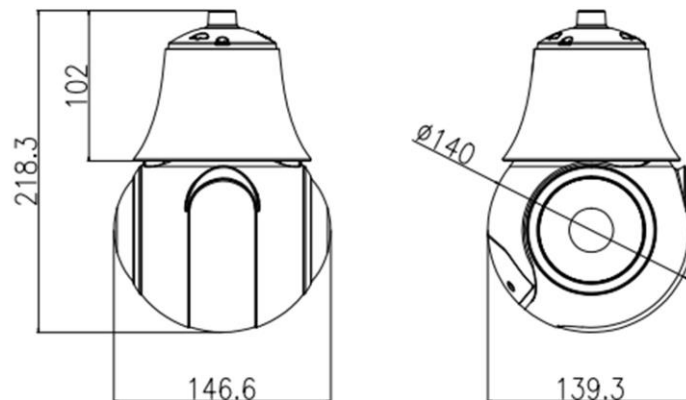
This series provides IP66 weatherproof protection feature.

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- 4MP IR Mini PTZ Network Camera
- 12x optical zoom, 16x digital zoom
- 1/2.8" Progressive Scan CMOS
- 3D DNR, WDR, ICR, IVS, Defog
- 2592x1520@25/30fps
- IP66
- Multiple streams
- Smart IR range up to 80m
- Auto tracking

## DIMENSION



- Measurement is in millimeter (mm)



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protection

# TECHNICAL SPECIFICATION

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Effective Pixels	2592(H) x 1520(V)
Electronic Shutter	Auto/Manual, 1/5~1/20,000s
Min. illumination	Color: 0.01Lux @(F1.2,AGC ON) B/W: 0Lux @(IR LED ON)
S/N Ratio	55dB
IR Range	Up to 80m
IR On/Off Control	Auto/ Manual
IR LEDs	6pcs
Day/Night	Day/Night
Wide Dynamic Range	WDR (120dB)
Lens	
Max. Aperture	F1.6~F3.0
Focal Length	4.7~56.4mm
Angle of View	H: 60.9°~6.43°, V: 40.1°~4.1°
Focus Control	Auto/Manual
Close Focus Distance	0.2m
Optical Zoom	12x
Digital Zoom	16x
PTZ	
Pan/Tilt Range	Pan: 0° ~ 360° endless, Tilt: -10° ~ +90°
Manual Control Speed	Pan: 0.1° ~180° /s, Tilt: 0.1° ~90° /s
Preset Speed	Pan: 180° /s, Tilt: 90° /s
Presets	300
PTZ Mode	6 Track, 12 Tour, 12 Scan,
Speed Setup	Auto/Manual (0-8)
Power up Action	Support
Idle Motion	Activate Preset/ Scan/ Tour/ Track if there is no command in the specified period
Video	
Max. Resolution	4MP(2592×1520)
Streaming Capability	3 Streams
Stream / Frame Rate	Stream1:2592×1520/2560×1440/2304×1296/1920×1080/1280×720 @25/30fps Stream2:D1/VGA/640×360/CIF/QVGA@25/30fps Stream3: VGA/CIF/QVGA@25/30fps
Bit Rate Control	CBR/VBR
Bit Rate	Stream1: 200kbps~12Mbps Stream2: 100kbps~6Mbps Stream3: 100kbps~3Mbps
Image Enhancement	HLC / BLC / Anti-shake / Defog / WDR (120dB)
White Balance	Auto/Tungsten/Fluorescent/Daylight/ Shadow/Manual
Gain Control	Auto/Manual
Noise Reduction	2D/3D DNR

Smart IR	Support
Mirror	Support
Region of Interest	Off / On (8 Zone)
Motion Detection	Off / On
Privacy Masking	Off / On (4 Area, Rectangle)
Audio	
Compression	G.711, RAW_PCM
Bit Rate	8kbps(G.711), 16kbps(RAW_PCM)
Network	
Protocols:	IPv4/IPv6, 802.1x, HTTP, HTTPS, TCP/IP, UDP/IP, RTSP, DHCP, NTP, RTCP/RTP, PPPoE, SMTP, DNS, UPnP, FTP, ARP, SNMP
Interoperability	ONVIF, SDK, CGI
Streaming Method	Unicast
Edge Storage	Local PC for instant recording Micro SD card 256GB
Max. User Access	10 Users
Web Viewer	<IE11, Chrome, Firefox
Management Software	SunView
Smart Phone	IOS, Android
Intelligence	
IVS	Perimeter, Single Virtual Fences, Double Virtual Fences, Loiter, Multi Loiter, Object Left, Object Removed, Abnormal Speed, Converse, Illegal Parking, Signal Bad
Interface	
Ethernet	1 Ethernet (10/100 Base-T) RJ-45 Connector
Audio Interface	1ch Input, 1ch Output
Alarm	2ch Input, 1ch Output
Reset Button	Built-in
Electrical	
Power Supply	AC24V/POE+ (IEEE 802.at)
Power Consumption	Less than 25W
Operating Temperature	Starting Temperature: -40°C ~ 60°C (-40°F ~ 140 °F) Working Temperature: -55°C ~ 60°C (-67°F ~ 140 °F)
Operating Humidity	Less than 90% RH
Ingress Protection	IP66, TVS4000V
Casing	Metal
Dimensions	146.6×139.3×218.3mm
Net Weight	1.5kg

## SERVICES AVAILABLE

- Technical Support
- Installation and Setup
- Maintenance
- Application Support
- Hardware Support
- Guaranteed Warranty

## ACCESSORIES

Optional :



Wall Bracket



Ceiling Bracket



Junction Box



Corner Mount



Pole Mount



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