AFM-IVA2MP-D

2MP, Compact and Fixed, Ultra low light, Industrial Outdoor Network Bullet Camera











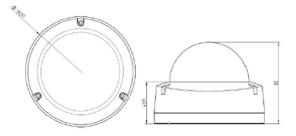




Key Features

- Enhanced H.264 offers optimally useable bandwidth and storage
- Multiple H.264/MJPEG video streams
- Max. 2Mp@30(25)fps resolution
- Superior bright light and ultra-low-light performance
- Build-in megapixel fixed lens
- Built-in smart IR illumination, Effective up to 25 Meters
- Digital WDR for better visibility plus enhanced digital defog and HLC
- Corridor format enabled by video rotation offers a vertical field of view
- IVAs for motion, tampering, borderline and line counting
- Query SD card life expectancy based on proper SD card
- Robust mechanical design of IP67/IK07-rated
- Power input DC12V and PoE
- ONVIF Profile S/G/Q conformant
- Class B of CE/FCC certified

Dimensions





Specifications

Video Image Sensor	MODEL	AFM-IVA2MP-D
Image Sensor		
System NTSC, PAL		1 /2 8" progressive scan CMOS sensor
Video Standard		
Multiple Video Stream Advanced Bitrate Control Advanced Bitrate Control Controllable bit rate dynamics: CVBR/CBR/VBR, Advanced quality of service (QoS) Multi-level group of pictures (GOP), Region Of Interest (ROI) Resolution & Frame Rate End IHD 1080p, 1.3Mp(1280x960), IHDTV 720p to 320x176 at 30/25fps Megapixel fixed-local lens, 12.8mm, F18, fixed iris (Optional 14.0mm, F1.6 lens) FOV 114* (H), 63° (V) Day & Night True D&N by automatically removable IR-cut filter (ICR) with modes control Night illumination by 10pcs enhanced IR LED, 850mm, effective distance 25m Minimum Illumination Color: 0.06 lux at 50 IRE, F1.8 (approx.), 0 lux when IR on Color Contour Bightness, contrast, hue, saturation, sharpness configurable Imaging Individually configurable white balance (2,500–10,000K), auto and manual gain, multi-metering backlight compensation, multi-zone privacy masks, and video orientations Exposure Control Auto shutter: max. Shutter 177.5(6.25)~1/60(50) / min.shutter: 1/120(100)~1/10000, manual shutter, shutter priority, flicker less modes manageable Corridor Format Ves Wide Dynamic Range Digital WDR Imaging Enhancement Digital defog, HLC, 3DNR Gamma Correction Joseph Lander Correction ARD, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPV4/6,NTP, RTSP/RTCP/RTP, QoS, SMTP, SNMP, TCP, TLS/TTLS, UDP, UPP, 802, 1X Internet Security IEEE 802.1X network access control, HTTPS encryption, digest authentication, IP filtering Network Management Simple network management (SNMP) v172/3, traphearbeat support, MIB download AFM SDK-based IP Finder, UPP System Integration Video Content Analysis Motion, tampering, infrusion, loitering, line counting, borderline, abandoned, departure, area counting, withdrawn, adverse way Schedule, alarm input, motion/tampering, audio intensity detection, network loss detection DNVIF Profile S/G/Q, test tool 16.01 conformant Edge Recording 1 x microSDHC/SDXC slot (card not included)		
Advanced Bitrate Control Multi-level group of pictures (GOP), Region Of Interest (ROI) Resolution & Frame Rate Lens Full HD 1080p, 1,3Mp(1280x960), HDTV 720p to 320x176 at 30/25fps Lens Megapixel fixed-focal lens, f2.8mm, F1.8, fixed iris (Optional f4.0mm, F1.6 lens) FOV 114° (H), 63° (V) True D&N by automatically removable IR-cut filter (ICR) with modes control Night illumination by 10pcs enhanced IR LED, 850nm, effective distance 25m Minimum Illumination Color Contour Brightness, contrast, hue, saturation, sharpness configurable Imaging Individually configurable white balance (2,500~10,000K), auto and manual gain, multi-metering backlight compensation, multi-zone privacy masks, and video orientations Exposure Control Auto shutter: max. shutter 1/7.5(6.25)~1/60(50) / min.shutter: 1/120(100)~1/10000, manual shutter, shutter priority, flicker less modes manageable Corridor Format Yes Wide Dynamic Range Digital WDR Jolial		
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Lens Megapixel fixed-focal lens, f2.8mm, F1.8, fixed iris (Optional f4.0mm, F1.6 lens) FOV	Resolution & Frame Rate	
FOV 144° (H), 63° (V) Day & Night True D&N by automatically removable IR-cut filter (ICR) with modes control Night illumination by 10pcs enhanced IR LED, 850nm, effective distance 25m Minimum Illumination Color Contour Brightness, contrast, hue, saturation, sharpness configurable Imaging Individually configurable white balance (2,500~10,000K), auto and manual gain, multi-metering backlight compensation, multi-zone privacy masks, and video orientations Exposure Control Auto shutter: max. shutter 1/7.5(6.25)~1/60(50) / min.shutter: 1/120(100)~1/10000, manual shutter, shutter priority, flicker less modes manageable Corridor Format Yes Wide Dynamic Range Digital WDR Imaging Enhancement Digital defog, HLC, 3DNR Gamma Correction 0.45, 1 SIN Ratio More than 50dB when AGC off Network Ethernet IEEE 802.3, 10/100/1000 Base-T/TX, auto sensing, 1 x RJ45 Extra Ethernet Interface 1 x mini USB port for real-time image preview Protocols ARP, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPV4/6,NTP, RTSP/RTCP/RTP, QoS, SMTP, SNMP, TCP, TLS/TTLS, UDP, UP-NP, 802.1X Internet Security IEEE 802.1X network access control, HTTPS encryption, digest authentication, IP filtering Network Management Simple network management (SNMP) v1/2c/3, trap/heartbeat support, MIB download Easy Setup AFM SDK-based IP Finder, UP-NP Web Surveillance Full-feature, multi-web browser support: Internet Explorer 10.0, Chrome, Firefox, Mac Safari Viewing System Quick time, VLC player System Integration Video Content Analysis Motion, tampering, intrusion, loitering, line counting, borderline, abandoned, departure, area counting, withdrawn, adverse way System Integration Video Content Analysis Motion, tampering, intrusion, loitering, line counting, borderline, abandoned, departure, area counting, withdrawn, adverse way System Integration Video Content Analysis Motion, tampering, intrusion, loitering, line counting, borderline, abandoned, departure, area counting, withdrawn, adverse way System Integration Video Content Analysis 1 x microSDHC/SDXC sl	Lens	
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modes manageable Yes		privacy masks, and video orientations
Corridor Format Wide Dynamic Range Digital WDR Imaging Enhancement Digital defog, HLC, 3DNR Gamma Correction 0.45, 1 S/N Ratio More than 50dB when AGC off Network Ethernet IEEE 802.3, 10/100/1000 Base-T/TX, auto sensing, 1 x RJ45 Extra Ethernet Interface 1x mini USB port for real-time image preview ARP, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPV4/6,NTP, RTSP/RTCP/RTP, QoS, SMTP, SNMP, TCP, TLS/TTLS, UDP, UPnP, 802.1X Internet Security IEEE 802.1X network access control, HTTPS encryption, digest authentication, IP filtering Network Management Simple network management (SNMP) v1/2c/3, trap/heartbeat support, MIB download Easy Setup AFM SDK-based IP Finder, UPnP Web Surveillance Full-feature, multi-web browser support: Internet Explorer 10.0, Chrome, Firefox, Mac Safari Viewing System Quick time, VLC player System Integration Video Content Analysis Event Source Schedule, alarm input, motion/tampering, audio intensity detection, network loss detection SDK AFM SDK 2.5 Alliance ONVIF Profile S/G/Q, test tool 16.01 conformant Edge Recording Local Storage 1 x microSDHC/SDXC slot (card not included)	Exposure Control	Auto shutter: max. shutter 1/7.5(6.25)~1/60(50) / min.shutter: 1/120(100)~1/10000, manual shutter, shutter priority, flicker less
Wide Dynamic Range Digital WDR Imaging Enhancement Digital defog, HLC, 3DNR Gamma Correction 0.45, 1 S/N Ratio More than 50dB when AGC off Network Ethernet IEEE 802.3, 10/100/1000 Base-T/TX, auto sensing, 1 x RJ45 Extra Ethernet Interface 1 x mini USB port for real-time image preview Protocols ARP, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4/6,NTP, RTSP/RTCP/RTP, QoS, SMTP, SNMP, TCP, TLS/TTLS, UDP, UPP, P02.1X Internet Security IEEE 802.1X network access control, HTTPS encryption, digest authentication, IP filtering Network Management Simple network management (SNMP) v1/2c/3, trap/heartbeat support, MIB download Easy Setup AFM SDK-based IP Finder, UPnP Web Surveillance Full-feature, multi-web browser support: Internet Explorer 10.0, Chrome, Firefox, Mac Safari Viewing System Quick time, VLC player System Integration Video Content Analysis Motion, tampering, intrusion, loitering, line counting, borderline, abandoned, departure, area counting, withdrawn, adverse way Event Source Schedule, alarm input, motion/tampering, audio intensity detection, network loss detection SDK AFM SDK 2.5 Alliance ONVIF Profile S/G/Q, test tool 16.01 conformant Edge Recording Local Storage 1 x microSDHC/SDXC slot (card not included)		modes manageable
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Gamma Correction 9.45, 1 S/N Ratio More than 50dB when AGC off Network Ethernet Ethernet IEEE 802.3, 10/100/1000 Base-T/TX, auto sensing, 1 x RJ45 Extra Ethernet Interface 1x mini USB port for real-time image preview ARP, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4/6,NTP, RTSP/RTCP/RTP, QoS, SMTP, SNMP, TCP, TLS/TTLS, UDP, UPnP, 802.1X Internet Security IEEE 802.1X network access control, HTTPS encryption, digest authentication, IP filtering Network Management Easy Setup AFM SDK-based IP Finder, UPnP Web Surveillance Viewing System Quick time, VLC player System Integration Video Content Analysis Motion, tampering, intrusion, loitering, line counting, borderline, abandoned, departure, area counting, withdrawn, adverse way Event Source Schedule, alarm input, motion/tampering, audio intensity detection, network loss detection SDK AFM SDK 2.5 AFM SDK 2.	Wide Dynamic Range	Digital WDR
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Ethernet IEEE 802.3, 10/100/1000 Base-T/TX, auto sensing, 1 x RJ45	Gamma Correction	0.45, 1
Ethernet IEEE 802.3, 10/100/1000 Base-T/TX, auto sensing, 1 x RJ45 Extra Ethernet Interface 1x mini USB port for real-time image preview ARP, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4/6,NTP, RTSP/RTCP/RTP, QoS, SMTP, SNMP, TCP, TLS/TTLS, UDP, UPnP, 802.1X Internet Security IEEE 802.1X network access control, HTTPS encryption, digest authentication, IP filtering Network Management Simple network management (SNMP) v1/2c/3, trap/heartbeat support, MIB download Easy Setup AFM SDK-based IP Finder, UPnP Web Surveillance Full-feature, multi-web browser support: Internet Explorer 10.0, Chrome, Firefox, Mac Safari Viewing System Quick time, VLC player System Integration Video Content Analysis Motion, tampering, intrusion, loitering, line counting, borderline, abandoned, departure, area counting, withdrawn, adverse way Schedule, alarm input, motion/tampering, audio intensity detection, network loss detection SDK AFM SDK 2.5 Alliance ONVIF Profile S/G/Q, test tool 16.01 conformant Edge Recording Local Storage 1 x microSDHC/SDXC slot (card not included)	S/N Ratio	More than 50dB when AGC off
Extra Ethernet Interface Protocols ARP, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4/6,NTP, RTSP/RTCP/RTP, QoS, SMTP, SNMP, TCP, TLS/TTLS, UDP, UPnP, 802.1X Internet Security IEEE 802.1X network access control, HTTPS encryption, digest authentication, IP filtering Network Management Simple network management (SNMP) v1/2c/3, trap/heartbeat support, MIB download Easy Setup AFM SDK-based IP Finder, UPnP Web Surveillance Full-feature, multi-web browser support: Internet Explorer 10.0, Chrome, Firefox, Mac Safari Viewing System System Integration Video Content Analysis Motion, tampering, intrusion, loitering, line counting, borderline, abandoned, departure, area counting, withdrawn, adverse way Schedule, alarm input, motion/tampering, audio intensity detection, network loss detection SDK AFM SDK 2.5 Alliance ONVIF Profile S/G/Q, test tool 16.01 conformant Edge Recording Local Storage 1 x mirio SDHC/SDXC slot (card not included)	Network	
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Internet Security IEEE 802.1X network access control, HTTPS encryption, digest authentication, IP filtering Network Management Simple network management (SNMP) v1/2c/3, trap/heartbeat support, MIB download Easy Setup AFM SDK-based IP Finder, UPnP Web Surveillance Full-feature, multi-web browser support: Internet Explorer 10.0, Chrome, Firefox, Mac Safari Viewing System Quick time, VLC player System Integration Video Content Analysis Motion, tampering, intrusion, loitering, line counting, borderline, abandoned, departure, area counting, withdrawn, adverse way Event Source Schedule, alarm input, motion/tampering, audio intensity detection, network loss detection SDK AFM SDK 2.5 Alliance ONVIF Profile S/G/Q, test tool 16.01 conformant Edge Recording Local Storage 1 x microSDHC/SDXC slot (card not included)	Extra Ethernet Interface	
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Web Surveillance Viewing System Quick time, VLC player System Integration Video Content Analysis Event Source SDK AFM SDK 2.5 Alliance ONVIF Profile S/G/Q, test tool 16.01 conformant Edge Recording Local Storage Full-feature, multi-web browser support: Internet Explorer 10.0, Chrome, Firefox, Mac Safari Quick time, VLC player Quick time, VLC player Motion, tampering, intrusion, loitering, line counting, borderline, abandoned, departure, area counting, withdrawn, adverse way Event Source Schedule, alarm input, motion/tampering, audio intensity detection, network loss detection SDK AFM SDK 2.5 Alliance ONVIF Profile S/G/Q, test tool 16.01 conformant		
Viewing System Quick time, VLC player System Integration Video Content Analysis Motion, tampering, intrusion, loitering, line counting, borderline, abandoned, departure, area counting, withdrawn, adverse way Event Source Schedule, alarm input, motion/tampering, audio intensity detection, network loss detection SDK AFM SDK 2.5 Alliance ONVIF Profile S/G/Q, test tool 16.01 conformant Edge Recording Local Storage 1 x microSDHC/SDXC slot (card not included)		
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Local Storage 1 x microSDHC/SDXC slot (card not included)		2
		1 x microSDHC/SDXC slot (card not included)
	Event Handling & Recording	Schedule recording, alarm out, E-mail notification, FTP recording, edge SD recording, sound playback, OSD indication



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General	
Unit Configuration	System information overview, camera ID setup, OSD text overlay, date/time sync, software reboot and factory default, remote
	hardware default On-board camera reset and factory default buttons
User Authentication	Multiple user group, password protected
Profile Management	User configurations import, export
Firmware Update	HTTP mode, remote update
Language	English, multi-language customized support
Log Listing	System log listing, export support
Mechanical	
Weather Resistance	IP67 certified
Vandalizing Resistance	IK10 compliant
Casing	Compact and Lightest casing design, Easy for surface and ceiling mounting Fall-prevention safety sling, screws, hook, fixture Cast aluminum, polycarbonate clear bubble 3-axis lens angle adjustment
Dimension (DxH)	Ø110x82mm
Weight	400g(approx.)
Electrical	
Component Standard	Industrial grade
Input Voltage	DC12V, 2-pin terminal block
Power-over-Ethernet	IEEE 802.3at (PoE+), class 3 compliant
Power Consumption	7.5W (max)
Temperature Control	On-board heating device
Surge Protection	EN55024 certified
Environmental	
Operating Condition	-40°C ~ 60°C , Humidity 90% non-condensing
Power-On Temperature	Arctic power-on support at -40°C
Storage Condition	-40°C ~ 60°C , Humidity 90% non-condensing
Edge Recording	
Local Storage	1 x microSDHC/SDXC slot (card not included)
Event Handling & Recording	Schedule recording, alarm out, E-mail notification, FTP recording, edge SD recording, sound playback, OSD indication
Regulatory	
Standards	CE/FCC, Class B certified , RoHS, REACH compliant ,UL/cUL 60950-1 compliant
Third-Party Licensing	H.264/AVC encoder licensed for manufacturing

Specifications are subject to change without prior notice

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