

## AF1V3-AVI Series

Aluminum Fixed Camera Housing  
Integrated with Avigilon Camera Module



AF1V3



AF1V3-W



AF1V3-LED48



AF1V3-LED48-W

### Main Features



Aluminum cast casing material



Options for Wiper Mechanism Available



IP 66



Vandal-proof IK10 ratings



Operating Temperature -20°C to 65°C



Next-Generation Video Analytics



Multiple lens options available



Options for LED illuminator available

## Technical Data

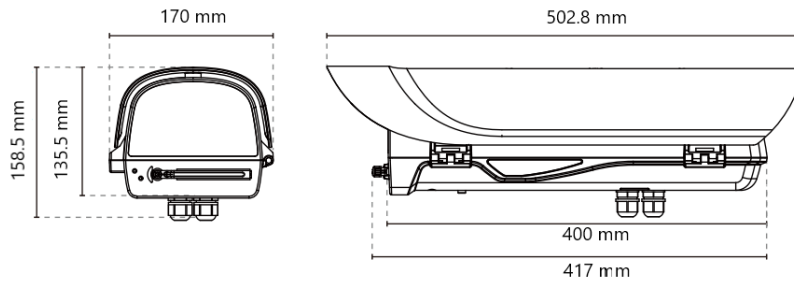
General	
Ingress Protection	IP66
Operating Temperature	-20°C to 65°C
Mechanical	
Body Material	Cast Aluminum
Sight Glass Material	Window with hardened mineral clear glass
Overall Dimension (WxHxD)	<i>Please refer to dimension drawings</i>
Internal Usable Size for Camera Module	105 x 77.4 x 255 mm
Cable Entry	4 x M16
Weight	2.9 KG
Electrical	
Operating Voltage	24VAC
Power Consumption	Window Heater: 10W Fan: 2W Camera: 6 ~ 8W Wiper: 6 W
Thermostatically Controlled Heater	T°C on: <20°C, T°C off: >30°C
Thermostatically Controlled Fan	T°C on: >35°C, T°C off: <25°C
Optional	
Wiper Mechanism	Available for AF1V3-W model
LED Illumination	Available for AF1V3-LED model
LED Illumination	
LED12	12W Snap-in 850nm IR LED illuminator Vari angle: 10° ~ 40° IR LED distance: 50 ~ 140 meter
LED48	48W Snap-in 850nm IR LED illuminator Vari angle: 10° ~ 30° IR LED distance: 150 ~ 350 meter
Accessories	
Standard	Sunshield, Wall Bracket
Optional	Pole Mount Bracket, Corner Mount Bracket

## IP Camera/Lens

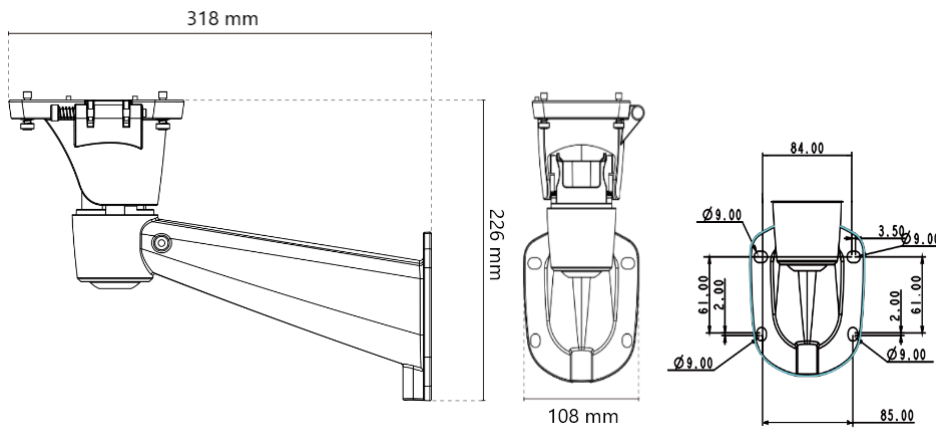
	Self-learning Video Analytics Range					
	2MP, 18x Zoom, IP	2MP, IP	4MP (9), IP	4MP (22), IP	6MP, IP	8MP [4K], IP
Sensor	1/2.8"				1/1.8"	
Focal Length (mm)	4.7 - 84.6	3.3 - 9	3.3 - 9	9 - 22	4.9 - 8	4.9 - 8
Focus	F1.6	F1.3	F1.3	F1.6	F1.8	
Effective Pixels (HxV)	(16:9) 1920 x 1080		(16:9) 2560 x 1440 (4:3) 2304 x 1728		(16:9) 3200 x 1800 (3:2) 3027 x 2048	(16:9) 3840 x 2160
Horizontal Angle of View	(16:9) 4.1° - 60°	(16:9) 34° - 99°	(16:9) (4:3) 34° - 92°	(16:9) 14° - 31° (4:3) 11° - 24°	(16:9) 52° - 92° (3:2) 41° - 73°	(16:9) 52° - 92°
Max Image Rate	(50 Hz/60 Hz): 25 fps/30 fps		WDR off (50 Hz/60 Hz): 25 fps/30 fps WDR on (50 Hz/60 Hz): 20 fps/20 fps		(50 Hz/60 Hz): 25 fps/30 fps	
Day/Night Control	Automatic, Manual					
Illumination Requirement	Color: 0.039Lux B/W: 0.02Lux	Color: 0.027Lux B/W: 0.014Lux	Color: 0.03Lux B/W: 0.015Lux	Color: 0.058Lux B/W: 0.029Lux	Color: 0.055Lux B/W: 0.028Lux	
Image Compression Method	H.264 HDSM SmartCodec, H.265 HDSM SmartCodec, Motion JPEG					
Protocols	IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, Zeroconf, ARP					
Supported Video Analytics Events	Objects in Area, Loitering, Crossing Beam, Object Appears or Enters Area, Object Not Present in Area, Objects Enter Area, Objects Leave Area, Object Stops in Area, Direction Violated, Tamper Detection					

\*Other camera module options are available upon request.

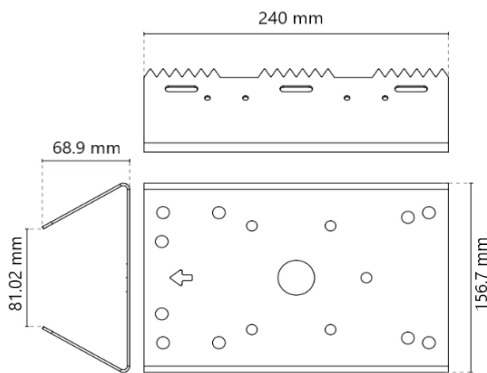
## Outline Dimensions (mm)



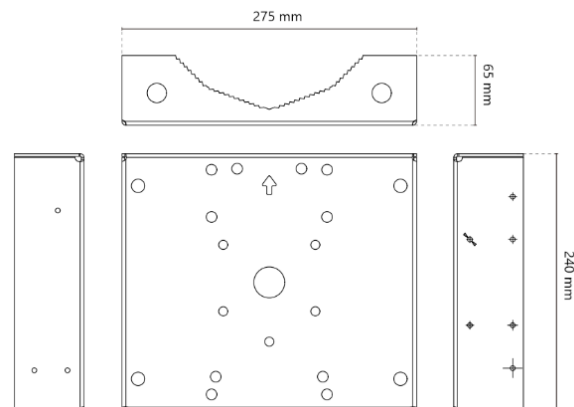
AF1V3-W Outline Dimensions



WB-AF1V3 Outline Dimensions



PM-AF1V3 Outline Dimensions



PME-AF1V3 Outline Dimensions

## Model & Ordering Code

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AF1V3 - X - X - AVI - X

### Camera Module Options

18x2M	: 2MP, 18x Zoom, IP with Self-learning Video Analytics
2M	: 2MP, IP with Self-learning Video Analytics
4M (9)	: 4MP (3.3-9mm), IP with Self-learning Video Analytics
4M (22)	: 4MP (9-22mm), IP with Self-learning Video Analytics
6M	: 6MP, IP with Self-learning Video Analytics
8M	: 8MP, IP with Self-learning Video Analytics

### Wiper Mechanism Options

Blank	: No additional option
W	: Fitted with wiper mechanism

### LED Illumination Options

Blank	: No additional option
LED12	: 12W LED Illuminator
LED48	: 48W LED Illuminator

## Standard Accessories

SCH-AF1V3	: Sunshield for Camera Housing
WB-AF1V3	: Wall Bracket

## Optional Accessories

PM-AF1V3	: Pole Mount Bracket
PME-AF1V3	: Pole Mount Extend Bracket (for 100~230cm pole diameter)