AF1V3-5x5M Series

Aluminum Fixed Camera Housing
Integrated with 5MP 5x Optical Zoom Ventionex VX2-B5Y01 Analytics 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

Advanced VCA – Detection and classification of specific target types (people or vehicle)

Starlight Ultra Low Light 0.001Lux

Options for LED illuminator available

Ventionex

Technical Data

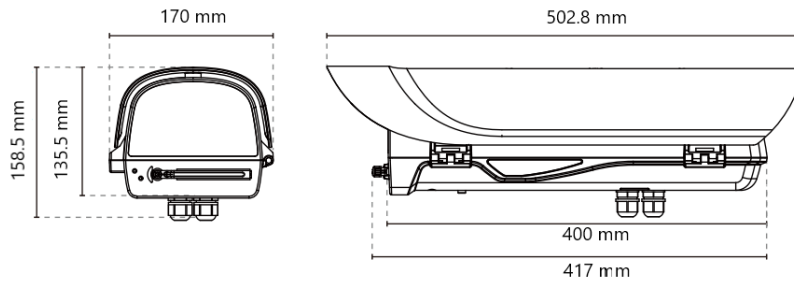| General	
Ingress Protection	IP66
Operating Temperature	-20°C to 65°C
Mechanical	
Body Material	Cast Aluminum
Sight Glass Material	Window with hardened mineral clear glass
Overall Dimension (WxHxD)	*Please refer to dimension drawings*
Internal Usable Size for Camera Module	105 x 77.4 x 255 mm
Cable 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 850mn IR LED illuminator Vari angle: 10˚ ~ 40˚ IR LED distance: 50 ~ 140 meter
LED48	48W Snap-in 850mn 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

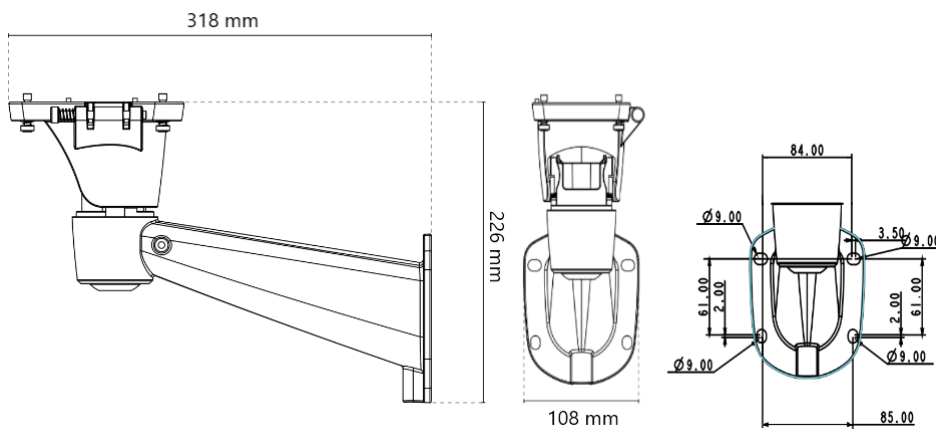| Camera	
Image Sensor	1/2.8" CMOS
Signal System	PAL/NTSC
Min. Illumination	Color: 0.001Lux@ (F1.6, AGC ON)
	B/W: 0 Lux with IR
Shutter Time	1s to 1/100000 s
Lens	Motorized 2.7 – 13.5mm, Horizontal FOV: 94.2° ~ 29.3°
Lens Mount	φ14
Day& Night	Dual IR Cut Filter with Auto Switch
Wide Dynamic Range	120 dB
Image	
Max. Image Resolution	HxV: 2592x1944 (5MP)
Mainstream	PAL: 25fps (2592×1944, 2592×1520, 2560×1440, 2304×1296), 50fps (1920×1080, 1280×720)
	NTSC: 30fps (2592×1944, 2592×1520, 2560×1440, 2304×1296), 60fps (1920×1080, 1280×720)
Substream	PAL: 25fps (704×576, 704×288, 640×360, 352×288)
	NTSC: 30fps (704×480, 704×240, 640×360, 352×240)
3rd Stream	PAL: 25fps (1920×1080, 1280×720, 704×576, 704×288, 640×360, 352×288)
	NTSC: 30fps (1920×1080, 1280×720, 704×480, 704×240, 640×360, 352×240)
Image Settings	Saturation, brightness, contrast, sharpness, adjustable by web browser
Image Enhancement	BLC/3D DNR/HLC/Corridor Format
Smart Defog	Yes
ROI	Support 8 fixed region of coding
Privacy Mask	Yes, 4 regions
Picture Overlay	Yes
OSD	16×16, 32×32, 48×48, 64x64, adaptable size, Letters Such as Week, Date, Time, Total 8 Regions
Compression Standard	
Video Compression	S+265/H.265/H.264/MJPEG
Video Bit Rate	32Kbps~16Mbps
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, MULTICAST, UPnP, FTP, IPV4, NTP, SMTP, IGMP, 802.1x, QoS, IPV6, ARP, UDP, SNMP, SSL, Telnet, SNTP, RTMP, SFTP, NFS
Remote Connection	≤7
System Compatibility	ONVIF (Profile S/T/G), P2P
Interface	
On-board Storage	MicroSD Card Slot, up to 512GB
Advanced	
Advanced Video Analytics	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture (Face Detection), Safety Helmet Detection, Human/Vehicle Classification* *Support detection and classification of specific target types (people or vehicle) to remove false alarm caused by animals, leaves etc.

Analog camera and other camera module options are available upon request.
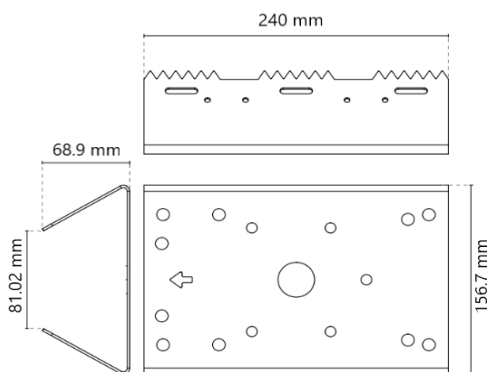*Thermal camera options are available for G model. Please contact us for the details*

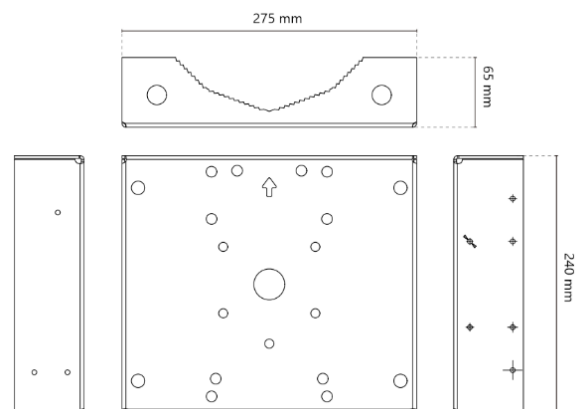## Outline Dimensions (mm)

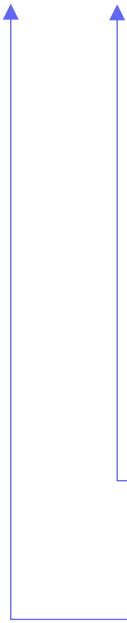AF1V3-W Outline Dimensions

WB-AF1V3 Outline Dimensions

PM-AF1V3 Outline Dimensions

PME-AF1V3 Outline Dimensions

AF1V3 – X – X – 5x5M

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)