

# VA2 Outdoor IR Dome

Rugged 2MP IR dome with built-in video analytics and HDR technology



Shown with optional wall mount



Shown with optional sunshield/wall mount



Customers who need to monitor activity in a variety of lighting conditions, from bright light to complete darkness, the **VA2 Outdoor IR Dome** from March Networks® with built-in Infrared Illumination, high dynamic range (HDR), and P-Iris lens provides superior image quality, regardless of lighting. The camera is rated for outdoor use with a housing designed to be weather-proof (IP66) and vandal-resistant (IK10).

The camera features a set of powerful video analytics, including tripwire, intrusion detection, loitering detection, object removal, and abandoned object. Video analytics enable organizations to enhance security in both public and private spaces by detecting perimeter or area breaches, unattended objects, and unusual activity more rapidly and consistently. The software detects camera tampering in real time and also promotes more proactive system maintenance by alerting staff to camera obstructions or changes in camera positioning which otherwise go unnoticed.

## Key Benefits

### ▼ Built-In Video Analytics

- **Abandoned Object** - an alarm is triggered if an object remains in one spot for too long.
- **Loitering Detection** - an alarm is triggered when people remain in an area for too long.
- **Tripwire** - an alarm is triggered when a person or object crosses the defined line.
- **Intrusion Detection** - an alarm is triggered when people or vehicles enter a specific area.
- **Object Removal** - an alarm is triggered if an object is removed from an area.

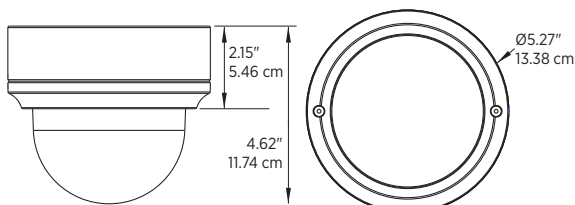
▼ **High Dynamic Range (HDR).** The camera blends the best parts of several separate exposures together to combine the most focused, well-lit, and colorful parts of the scene.

▼ **Save money on storage and bandwidth.** The camera's low bit rate (LBR) setting reduces storage and bandwidth usage by 50% or more in most applications; streams can drop below 1Mbps at 2MP (15 fps).

▼ **Smart IR Illumination.** The built-in LEDs provide uniform illumination in total darkness, which means users will see high-quality, low-noise video from over 130 feet away. Additionally, the camera automatically adjusts the intensity of the IR LEDs to compensate for the distance of an object, so the object is not overexposed when it gets too close to the camera.

▼ **P-Iris.** The enhanced video clarity and depth of field offered by the P-Iris allows objects close to and far away from the camera to remain in focus, simultaneously.

▼ **Region of Interest (ROI) encoding.** For each stream, you can configure up to three regions wherein you can increase or decrease the image compression to further optimize the scene. This advanced encoding lets you lower the bit rate while keeping the most important parts of the image sharp.



**Get HD video outdoors in any lighting or weather condition, and see images in the dark from over 130 feet away.**

# VA2 Outdoor IR Dome

## CAMERA

Image Sensor	1/2.7" Progressive Scan CMOS
Effective Pixels	2MP; 1920 (H) x 1080 (V)
Lens	2.7-12mm, F1.6, P-Iris lens
Field of View	Horizontal: 100° (Wide); 31° (Tele)
High Dynamic Range (HDR)	120dB
Day/Night	Automatic IR cut filter
Minimum Illumination	Color: 0.08 lux; B/W: 0.008 lux; 0 lux with IR On
Shutter Speed	1 to 1/10000s
Camera Angle Adjustment	Pan 340°, Tilt 80°, Rotation -100° to 100°
Pan/Tilt/Zoom	4.4X Optical Zoom, Digital PTZ via Command
White Balance	Manual/Automatic
IR Wavelength	850nm
IR Illumination Distance	131 feet (40m)

## VIDEO

Video Compression	H.264, M-JPEG
Resolution	2MP 1080p (1920x1080), 1MP 720p (1280x720), SXGA, XGA, SVGA, D1, VGA, CIF
Frame Rate	Up to 30fps @ 2MP
Streaming	Up to 4 individually configurable streams in H.264/M-JPEG Configurable resolution/frame rate/bandwidth; LBR/VBR/CBR bitrate modes available
Dual Streams	H.264 2MP 1080p (1920x1080) @ 30fps + H.264 2MP 1080p (1920x1080) @ 15fps (Shutter WDR Off)
Quad Streams	H.264 2MP (1920x1080) @ 30fps + H.264 XGA (1024x768) @ 30fps + H.264 CIF (352x240) @ 30fps + H.264 CIF (352x240) @ 30fps
HDR Mode (Shutter WDR On)	H.264 2MP 1080p (1920x1080) @ 15fps + H.264 2MP 1080p (1920x1080) @ 15fps
Image Settings	Iris control, backlight compensation, white balance, noise reduction, wide dynamic range, privacy mask, brightness, exposure, sharpness, contrast, saturation, hue, IR configuration, day/night threshold
Video Rotation	90° 9:16, 180° 16:9

## AUDIO

Audio Streaming	Full Duplex
Audio Compression	G.711 PCM
Audio Input/Output	Line in/line out

## NETWORK

Security	Password protection, HTTPS encryption (configuration only), IEEE 802.1X
Supported Protocols	IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, DHCP, PPPoE, QoS, ONVIF-S/G/T, SNMP v1/v2/v3
Internet Browser	Internet Explorer (10+)

## SYSTEM INTEGRATION

Video Analytics	Video motion detection, active video tampering, abandoned object, loitering detection, tripwire, intrusion detection, object removal
Alarm Trigger	External input, video analytics
Alarm Events	Video recording to local storage, external output activation

## ELECTRICAL

Power	PoE (802.3af, Class 0); 24VAC; 12VDC
Power Consumption	PoE: max 13W; 24VAC: max 27W; 12VDC: max 15W

## PHYSICAL

Construction	Metal housing, polycarbonate bubble
Dimensions	Ø 5.2 x 4.6 H in (Ø 13.4 x 11.7 H cm)
Weight	1.7 lbs (0.77 Kg)

## ENVIRONMENTAL

Operating Temperature	-67° to 140°F (-55° to 60°C)
Humidity	10-90% RH, non-condensing
Ingress Protection Rating	IP66
Impact Rating	IK10

## USER CONNECTIONS

Alarm	1 x Alarm In, 1 x Relay Out
Audio	1 x Audio In, 1 x Audio Out
Ethernet	RJ45 10/100 Base-T
Analog Video	1 x Output
Power	2-pin terminal

## GENERAL

Local Storage	MicroSD/MicroSDHC/MicroSDXC memory card up to 1TB (sold separately)
LED Indicator	Power, Activity
Included Accessories	Quick Start Guide; mounting template; mounting hardware

## REGULATORY

Certification Model	C2104A
Safety	UL 62368-1, CSA 62368-1, IEC/EN 62368-1
Emissions	EN 55032, EN61000-3-2, EN61000-3-3, FCC Part 15 Subpart B, ICES-003, CISPR 32, AS/ NZS CISPR 32
Immunity	EN50130-4
Environmental	RoHS2, RoHS3
Compliance Marking	CE, cULus, RCM, WEEE, UKCA, NOM

## MOUNTING OPTIONS

Surface Mount (out-of-box)	Flush Mount Adaptor	Wall Mount (for indoor mounting only)	1.5" NPT Sunshield
1.5" NPT Pendant Mount	1.5" NPT Wall Mount	1.5" NPT Wall Mount with Back Box	1.5" NPT Pendant Mount with Back Box
Corner Adaptor	Pole Adaptor		

## ORDERING INFORMATION

<b>CAMERA</b>	
39361-101	VA2 Outdoor IR Dome
<b>ACCESSORIES</b>	
33306	Flush Mount Adaptor
33088	Wall Mount for indoor applications
33285	1.5" NPT Sunshield
HOMINIDOMESMA	1.5" NPT Pendant Mount
HOMINIDOMEWB	1.5" NPT Wall Mount
HOMINIDOMEVMA	Pole Adaptor
27639	Corner Adaptor
36990	1.5" NPT Pendant Mount with Back Box
36989	1.5" NPT Wall Mount with Back Box

### 5-year warranty:

- Option for Advance Replacement or Repair & Return.
- No need to issue a PO prior to receiving the replacement.
- March Networks incurs all shipping costs — both ways — for Advance Replacements.

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