

# VA2 Indoor IR Dome

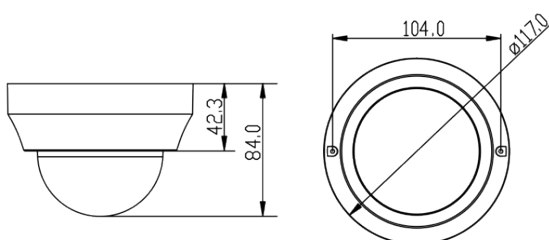
Compact 2MP IR dome with built-in video analytics and HDR technology



ONVIF | SGT

For customers who need a small compact camera and a flexible field of view, the **VA2 Indoor IR Dome** from March Networks® integrates active IR illumination and High Dynamic Range (HDR) to deliver high-quality images in a variety of lighting conditions, from bright light to complete darkness. The adjustable zoom and focus settings allow you to get the perfect field of view.

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.

### ▼ Smart IR Illumination. The built-in LEDs provide uniform illumination in total darkness, which means users will see high-quality, low-noise video from 100 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.

### ▼ 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).

*Leverage a comprehensive range of analytics to make video searchable, actionable and quantifiable.*

# VA2 Indoor IR Dome

CAMERA	
Image Sensor	1/2.7" Progressive Scan CMOS
Effective Pixels	2MP; 1920 (H) x 1080 (V)
Lens	2.8-8mm, F1.6, Varifocal
Field of View	Horizontal: 110° (Wide); 51° (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	3X Optical zoom, Digital PTZ via Command
White Balance	Manual/Automatic
IR Wavelength	850nm
IR Illumination Distance	100 feet (30m)
VIDEO	
Video Compression	H.264, M-JPEG
Resolution	2MP (1920x1080), SXGA, 720p, 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 (1920x1080) @ 30fps + H.264 2MP (1920x 1080) @ 15fps (Shutter WDR Off)
Quad Streams	H.264 2MP (1920 x 1080) @ 30fps + H.264 XGA (1024x768) @ 30fps + H.264 CIF (352x240) @ 30fps + H.264 CIF (352x240) @ 30fps
HDR Mode (Shutter WDR On)	H.264 2MP (1920x1080) @ 15fps + H.264 2MP (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, SNMPv1/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 O); 24VAC; 12VDC
Power Consumption	PoE: max 9.5W; 24VAC: max 17W; 12VDC: max 11W
PHYSICAL	
Construction	Metal base, plastic housing, polycarbonate bubble
Dimensions (D x H)	Ø 4.6 x 3.3 H in (Ø 11.7 x 8.35 H cm)
Weight	0.91 lb (0.42 Kg)

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ENVIRONMENTAL	
Operating Temperature	-22° to 140°F (-30° to 60°C)
Humidity	10-90% RH, non-condensing

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

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; BNC video adapter

REGULATORY	
Certification Model	C3402A
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)	 Wall Mount	 0.75" EMT Mount Adaptor
 1.5" NPT Wall Mount	 Corner Adaptor	 Pole Adaptor
 Electrical Plate Adaptor	 1.5" NPT Pendant Mount	 1.5" NPT Mount Adaptor

ORDERING INFORMATION	
<b>CAMERA</b>	
39363-101	VA2 Indoor IR Dome
<b>ACCESSORIES</b>	
33286	Wall Mount
36158	0.75" EMT Mount Adaptor
33287	1.5" NPT Mount Adaptor
HOMINIDOMESMA	1.5" NPT Pendant Mount
HOMINIDOMEWB	1.5" NPT Wall Mount
HOMINIDOMEPPMA	Pole Adaptor
27639	Corner Adaptor
36068	Electrical Plate Adaptor
37271	Indoor IR Dome smoked bubble

**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.

