MARCH networks
A Delta Group Company

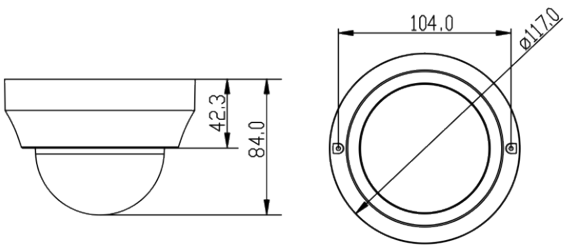
VA4 Indoor IR Dome

Compact 4MP IR dome with built-in video analytics and HDR technology

ONVIF | S G T

For customers who need a small compact camera and a flexible field of view, the **VA4 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 30 meters (100 ft) 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 4MP (15 fps).

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

VA4 Indoor IR Dome

CAMERA

Image Sensor	1/2.7" Progressive Scan CMOS
Effective Pixels	4MP; 2688 (H) x 1512 (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	30 m (100 ft)

VIDEO

Video Compression	H.265, H.264, M-JPEG
Resolution	4MP (2688x1512), 3MP (2304x1296), 2MP 1080p (1920x1080), 1MP 720p (1280x720), SXGA, XGA, SVGA, D1, VGA, CIF
Frame Rate	Up to 30fps @ 2MP / Up to 15 fps @ 4MP
Streaming:	Up to 4 individually configurable streams in H.265/ H.264/MJPEG Configurable resolution/frame rate/bandwidth; LBR/VBR/CBR bitrate modes available
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

SYSTEM INTEGRATION

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

ELECTRICAL

Power	12 Vdc 0.92 A; 24 Vac 50/60 Hz 0.69 A; 48 Vdc 0.2 A (PoE 802.3af, Class 0)
Power Consumption	12 Vdc max. 11.04 W; 24 Vac max. 9.56 W; PoE max. 9.60 W

PHYSICAL

Construction	Metal base, plastic housing, polycarbonate bubble
Dimensions (D x H)	Ø 117 x 65 mm (Ø 4.6 x 3.3 in)
Weight	415 g (0.9 lb)

ENVIRONMENTAL

Operating Temperature	-55 °C to +55 °C (-67 °F to +131 °F)
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 (not included)
LED Indicator	Power, Activity
Included Accessories	Quick Start Guide; mounting template; mounting hardware; BNC video adapter

REGULATORY

Regulatory Model	C3402A
Safety	UL 62368-1, CSA 62368-1, IEC/EN 62368-1
EMC	EN 55032, EN61000-3-2, EN61000-3-3, FCC Part 15 Subpart B, ICES-003, CISPR 32, AS/ NZS CISPR 32, EN50130-4
Environmental	RoHS, WEEE
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

CAMERA	
39367-101	VA4 Indoor IR Dome (white)
39367-102	VA4 Indoor IR Dome (black)
ACCESSORIES	
33286	Wall Mount
36158	0.75" EMT Mount Adaptor
33287	1.5" NPT Mount Adaptor
41516	1.5" NPT Pendant Mount
41517	1.5" NPT Wall Mount
41515	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.

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