VA4 IR MicDome

Rugged 4MP IR dome with built-in microphone and video analytics

Shown with optional pipe mount adaptor
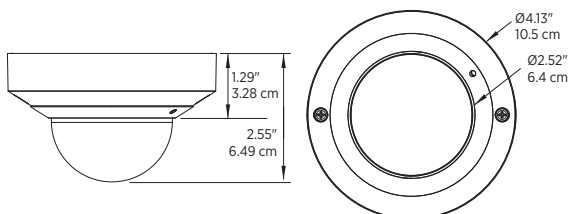
Shown with optional wall mount

For customers who need a full-featured dome with a small footprint, the **VA4 IR MicDome** integrates IR illumination, HDR and 4MP resolution offering superior image quality, in a discreet housing. The housing is weather-resistant and vandal-proof, rated for severe outdoor conditions and extreme temperatures.

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.

1.29"
3.28 cm

2.55"
6.49 cm

Ø4.13"
10.5 cm

Ø2.52"
6.4 cm

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.

▼ **Built-in microphone.** No need to purchase and install a separate device for applications that require audio.

▼ **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).

▼ **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 over 49 feet (15 meters) away. Additionally, the camera automatically adjusts the intensity of the LEDs to compensate for the distance of an object, so the object is not overexposed when it gets too close to the camera.

▼ **Hallway mode.** To capture vertically-oriented scenes, such as a long hallway, the camera provides a 90° rotation so images are created vertically, maximizing the field of view in narrow situations.

Get high performance in a compact form factor — just over 10 cm (4 in) in diameter — complete with a built-in microphone.

VA4 IR MicDome

CAMERA

Image Sensor	1/2.7" Progressive Scan CMOS
Effective Pixels	4MP; 2688 (H) x 1512 (V)
Lens	2.8mm (F2.0) or 4.0mm (F2.1), fixed focal
Field of View	39368-101 Horizontal: 100° 39368-102 Horizontal: 60°
High Dynamic Range (HDR)	120dB
Day/Night	Automatic IR cut filter
Minimum Illumination	Color: 0.08; B/W: 0.008 lux; IR On: 0.0 lux
Shutter Speed	1 to 1/10000s
Camera Angle Adjustment	Pan 350°, Tilt 160°, Rotation -100° to 100°
Pan/Tilt/Zoom	Digital PTZ via Command
White Balance	Manual/Automatic
IR Wavelength	850nm
IR Illumination Distance	15m (49 ft)

VIDEO

Video Compression	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 15fps @ 4MP
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 4MP (2688x1512) @ 15fps + H.264 720p @ 15fps (one of the streams ≤2MP can be set as M-JPEG)
Quad Streams	2MP (1920x1080) @ 15fps + H.264 720p @ 15fps + H.264 D1 @ 30fps + CIF @ 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

AUDIO

Audio Streaming	One-way
Audio Compression	G.711 PCM
Audio Input/Output	Embedded microphone

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	Video analytics, external input
Alarm Events	Video recording to local storage, external output activation

ELECTRICAL

Power	12 Vdc 0.54 A; 48 Vdc 0.12 A (PoE 802.3af, Class 0)
Power Consumption	12 Vdc max. 6.48 W; PoE max. 5.76 W

PHYSICAL

Construction	Metal base, plastic housing, polycarbonate bubble
Dimension (D x H)	Ø 105 x 65 mm (Ø 4.13 x 2.55 in)
Weight	248 g (0.55 lb)

ENVIRONMENTAL

Operating Temperature	-30 °C to +55 °C (-22 °F to +131 °F)
Humidity	10-90% RH, non-condensing
Ingress Protection Rating	IP66
Impact Rating	IK10

USER CONNECTIONS

Power	Terminal input
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	C2403A
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, EN50121-3-2, SAEJ 1113
Environmental	SAE J1455, EN50155, RoHS, WEEE
Compliance Marking	CE, cULus, RCM, WEEE, UKCA, NOM

MOUNTING OPTIONS

Surface Mount (out-of-box)

Wall Mount

1.5" NPT Mount Adaptor

1.5" NPT Pendant Mount

1.5" NPT Wall Mount

Corner Adaptor

Pole Adaptor

ORDERING INFORMATION

CAMERA	
39368-101	VA4 IR MicDome with 2.8mm lens
39368-102	VA4 IR MicDome with 4.0mm lens
ACCESSORIES	
33286	Wall Mount
33287	1.5" NPT Mount Adaptor
41516	1.5" NPT Pendant Mount
41517	1.5" NPT Wall Mount
41515	Pole Adaptor
27639	Corner Adaptor

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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