

# VA4 Indoor IR Dome

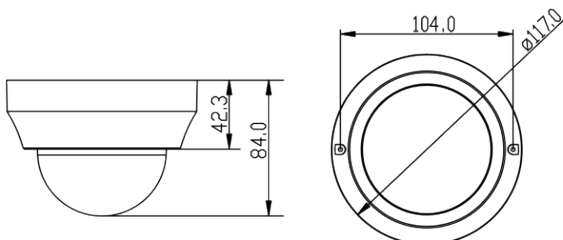
Compact 4MP IR dome with built-in video analytics and HDR technology



ONVIF | SGT

For customers who need a small compact camera and a flexible field of view, the **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<br>Configurable resolution/frame rate/bandwidth;<br>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;<br>48 Vdc 0.2 A (PoE 802.3af, Class 0) |
| Power Consumption | 12 Vdc max. 11.04 W; 24 Vac max. 9.56 W;<br>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

|                                                                                                                 |                                                                                                                 |                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <br>Surface Mount (out-of-box) | <br>Wall Mount               | <br>0.75" EMT Mount Adaptor  |
| <br>1.5" NPT Wall Mount      | <br>Corner Adaptor         | <br>Pole Adaptor           |
| <br>Electrical Plate Adaptor | <br>1.5" NPT Pendant Mount | <br>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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