VA2 Indoor IR Dome

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

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.
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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: 10° (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
Dual Streams H.264 2MP (1920x1080) @ 30fps + H.264 2MP (1920x1080) @ 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 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)

ENVIRONMENTAL
Operating Temperature -22° to 140°F (-30° to 60°C)
Humidity 10-90% RH, non-condensing
IK Impact Rating IK08

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

MOUNTING OPTIONS
Surface Mount (out-of-box) Wall Mount 0.75" EMT Mount Adaptor
1.5" NPT Wall Mount Corner Adaptor Pole Adaptor
1.5" NPT Pendant Mount Electrical Plate Adaptor 1.5" NPT Pendant Adaptor
3.5" NPT Pendant Adaptor Indoor IR Dome smoked bubble

ORDERING INFORMATION
CAMERA 39363-101 VA2 Indoor IR Dome
ACCESSORIES 33286 Wall Mount 36158 0.75" EMT Mount Adaptor
33287 1.5" NPT Mount Adaptor 35189 HOMINDOMESMA 1.5" NPT Pendant Mount
HOMINDOMEWB 1.5" NPT Wall Mount HOMINDOMEPMA Pole Adaptor
27639 Corner Adaptor 36068 Electrical Plate Adaptor 37211 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.