

# VA2 Indoor NanoDome

2MP low-profile IR dome with built-in video analytics and extra wide field of view



ONVIF | SGT

For customers who want to monitor an entire area with a single camera, the **VA2 Indoor NanoDome** from March Networks® provides a 134° horizontal field of view in high-definition. A variety of mounting options are available, including an electrical box mount, and because the cables terminate inside the camera, no wiring will be exposed in surface mount applications.

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

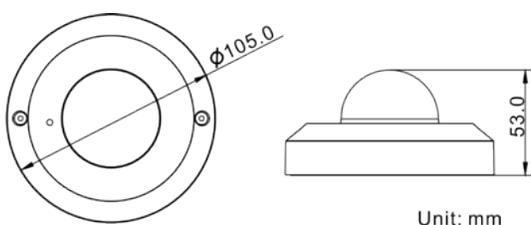
- **Abandoned Object** - an alarm is triggered if an object remains in one spot for too long.
- **Loitering Detection** - an alarm is triggered when people remain in an area for too long.
- **Tripwire** - an alarm is triggered when a person or object crosses the defined line.
- **Intrusion Detection** - 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.

▼ **Extra wide field of view.** The camera's 2.3mm lens delivers impressive coverage — 134° horizontally — with minimal distortion at the edges.

▼ **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).

▼ **3-axis gimbal.** The camera's pan, tilt and rotation are adjusted by a single mechanism. This allows for single-handed positioning of the camera during installation and simplifies setup.

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



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

# VA2 Indoor NanoDome

CAMERA	
Image Sensor	1/2.7" Progressive Scan CMOS
Effective Pixels	2MP; 1920 (H) x 1080 (V)
Lens	2.3mm, F2.0, fixed focal
Field of View	Horizontal: 134°
High Dynamic Range (HDR)	120dB
Day/Night	Automatic IR cut filter
Minimum Illumination	Color: 0.08 lux; B/W: 0.008 lux
Shutter Speed	1 to 1/10000s
Camera Angle Adjustment	Pan 340°, Tilt 80°, Rotation -100° to 100°
Pan/Tilt/Zoom	Digital PTZ via Command
White Balance	Manual/Automatic

VIDEO	
Video Compression	H.264, M-JPEG
Resolution	2MP 1080p (1920x1080), 1MP 720p (1280x720), SXGA, 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 (1920 x 1080) @ 30fps + H.264 2MP (1920 x 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 (1920 x 1080) @ 15fps + H.264 2MP (1920 x 1080) @ 15fps
Image Settings	Iris control, backlight compensation, white balance, noise reduction, wide dynamic range, privacy mask, brightness, exposure, sharpness, contrast, saturation, hue, day/night threshold
Video Rotation	90° 9:16, 180° 16:9

NETWORK	
Security	Password protection, HTTPS encryption (configuration only), IEEE 802.1X
Supported Protocols	IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, DHCP, PPPoE, UPnP, 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
Alarm Events	Video recording to local storage

ELECTRICAL	
Power	PoE (802.3af, Class 0); 12VDC
Power Consumption	PoE: 3.7W typical, 4.5W max; 12VDC: max 5W

PHYSICAL	
Construction	Metal base, plastic housing, polycarbonate bubble
Dimensions	Ø 4.13 x 2.05 H in (Ø 10.5 x 5.2 H cm)
Weight	0.44 lb (0.2 Kg)

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

USER CONNECTIONS	
Ethernet	RJ45 10/100 Base-T
Power	2-pin terminal

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

REGULATORY	
Certification Model	C3502A
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
 1.5" NPT Pendant Mount	 1.5" NPT Mount Adaptor	

ORDERING INFORMATION	
<b>CAMERA</b>	
39364-101	VA2 Indoor NanoDome
<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
HOMINIDOMEPMA	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.