# Motorized VF Dome

## 2MP/5MP/8MP

### AI Video Analytics

- 8 intelligent VCA modes powered by AI engine, which can intelligently filter objects to focus on human and vehicle detection.
- People Counting technology provides high accuracy and real-time data based on AI algorithm with statistic reports.
- Face Detection function detects human faces in the monitoring scene and captures the snapshots, which greatly enhances the monitoring efficiency.

### True WDR - 55dB

Microview's upgraded True WDR outputs three frames each line, which is able to bring more details especially moving subjects. What's more, it greatly improves image quality for reducing smear and noisy points. The ratio that the brightest light signal values divided by the darkest light signal values is up to 55dB.

### 25/30fps@4K

Providing up to 4K HD resolution with frame rate of 25/30fps, the camera performs well in catching detailed image regardless of the moving speed.

### Integrated Junction Box

The well-designed integrated Junction Box especially the Clamshell structure ensures efficient and simple installation. It enlarges the space to make cable connection neat and as easy as a piece of cake.

## FEATURES

- 1/2.8" Progressive Scan CMOS
- Motorized lens 2.7-13.5mm
- True WDR , Defog/HLC/BLC/IVS/Aisle Mode
- Support face, human, vehicle detection and capture
- IR distance up to 40m
- IP66/IK10

AI | H.265+ HEVC | SUPER WDR | SD XC SD card | STARLIGHT | IR

PrivacyMasking | 3 Axis | G Q S T OnVIF | PoE | Weather Proof | Vandal Proof

# Motorized VF Dome

## TECHNICAL SPECIFICATION

### CAMERA

| | MV-P288-MVD (2MP) | MV-P588-MVD (5MP) | MV-P828-MVD (8MP) |
|---|---|---|---|
| Part Number | MV-P288-MVD (2MP) | MV-P588-MVD (5MP) | MV-P828-MVD (8MP) |
| Image Sensor | 1/2.8" Progressive Scan CMOS | | |
| Min. Illumination | Color: 0.01 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR | Color: 0.03 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR | Color: 0.01 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR |
| Electronic Shutter | Auto/Manual, 1/5 to 1/20,000s | Auto/Manual, 1/5 to 1/100,000s | Auto/Manual, 1/5 to 1/20,000 s |

### LENS

| | | | |
|---|---|---|---|
| Lens Type | Varifocal lens, Motorized focal | | |
| Angle Adjustment | Pan: 0˚ to 355˚, Tilt: 0˚ to 75˚, Rotation: 0˚ to 355˚ | | |
| Iris | Fixed Iris | | |
| Focus Control | Auto/Manual | | |
| Iris Control (Optional for I Series) | Auto/Manual | | |
| Focal Length | 2.7 to 13.5 mm | 2.7 to 13.5 mm | 2.7 to 13.5 mm |
| Max. Aperture | F1.6 | F1.6 | F1.6 |
| Angle of View | H: 101° to 28° V: 54° to 16° | H: 93.8° to 26.9° V: 68.3° to 20.1° | H: 98.1° to 30.9°, V: 52.6° to 17.3° |

### DORI DISTANCE

| | | | |
|---|---|---|---|
| Detect | 48 m (157.5 ft) 152 m (498.7 ft) | 72 m (236.2 ft) 216 m (708.6 ft) | 88 m (288.7 ft) 280 m (918.6 ft |
| Observe | 19.2 m (63 ft) 60.8 m (199.5 ft) | 28.8 m (94.5 ft) 86.4 m (283.5 ft) | 35.2 m (115.5 ft) 112 m (367.5 ft) |
| Recognize | 9.6 m (31.5 ft) 30.4 m (99.7 ft) | 14.4 m (47.2 ft) 43.2 m (141.7 ft) | 17.6 m (57.7 ft) 56 m (183.7 ft) |
| Identify | 4.8 m (15.7 ft) 15.2 m (49.9 ft) | 7.2 m (23.6 ft) 21.6 m (70.9 ft) | 8.8 m (28.9 ft) 28 m (91.9 ft) |

DORI (Detect, Observe, Recognize, and Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances

## Motorized VF Dome

### TECHNICAL SPECIFICATION

#### VIDEO

| | | | |
|---|---|---|---|
| Streaming Capability | 3 Streams | | |
| Max.Image Resolution | 1920x1080 | 2592x1944 | 3840x2160 |
| Stream/Frame Rate | Stream1: 1920 × 1080, 1280 × 720 @25/30 fps<br>Stream2:<br>D1, VGA, 640 × 360, CIF, QVGA @25/30 fps<br>Stream3: VGA, CIF, QVGA @25/30 fps | Stream1: 2592 × 1944, 2592 × 1520, 1920 × 1080, 1280 × 720 @25/30 fps<br>Stream2: D1, VGA, CIF @25/30 fps<br>Stream3: VGA, CIF, QVGA @25/30 fps | Stream1: 3840 × 2160, 2592 × 1944, 2592 × 1520, 2560 × 1440, 2304 × 1296, 1920 × 1080, 1280 × 720 @25/30 fps<br>Stream2: D1, VGA, CIF @25/30 fps<br>Stream3: VGA, CIF, QVGA @25/30 fps |
| Bit Rate Control | CBR/VBR | | |
| Bit Rate | Stream1: 200 kbps to 12 Mbps<br>Stream2: 100 kbps to 6 Mbps<br>Stream3: 100 kbps to 3 Mbps | Stream1: 200 kbps to 12 Mbps<br>Stream2: 100 kbps to 6 Mbps<br>Stream3: 100 kbps to 3 Mbps | Stream1: 200 kbps to 16 Mbps<br>Stream2: 100 kbps to 6 Mbps<br>Stream3: 100 kbps to 3 Mbps |
| Region of Interest | Off/On (8 areas, Rectangle) | | |
| Smart Encode | Support | | |

#### AUDIO

| | |
|---|---|
| Compression | G.711, RAW_PCM |
| Bit Rate | 64Kbps (G.711), 128Kps (RAW_PCM) |

#### ILLUMINATOR

| | |
|---|---|
| Illuminator Type | IR |
| Illumination Distance | Up to 40 m (131.2 ft) |
| Illumination On/Off Control | Auto/Manual |

#### IMAGE

| | |
|---|---|
| Image Adjustment | Brightness, Sharpness, Contrast, Saturation adjustable |
| Scene Setting | Indoor, Outdoor, Mirror, Corridor Mode |
| Exposure Mode | Auto, Manual, Shutter priority |
| White Balance | Auto, Tungsten, Fluorescent, Daylight, Shadow, Manual |
| Day/Night Setting | Auto, Day, Night, Timer |
| Smart IR | Support |
| Noise Reduction | 2D/3D DNR |
| Image Enhancement | WDR, HLC, BLC, Defog |
| Wide Dynamic Range | True WDR |
| Privacy Masking | 4 areas |

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MICROVIEW surveillance

# TECHNICAL SPECIFICATION

## SMART FUNCTION

| | |
|---|---|
| Multi-Object Detection | Supports face, human, vehicle detection and capture |
| Intelligent Analytics | Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way<br>Support alarm triggering by specified target types (human and vehicle) |
| People Counting | Support |

## NETWORK

| | |
|---|---|
| Protocols | IPv4/IPv6, 802.1x, HTTP, HTTPS, TCP/IP, UDP/IP, RTSP, DHCP, NTP, RTCP/RTP, PPPoE, SMTP, DNS, UPnP, FTP, ARP, SNMP, TLS/SSL |
| Interoperability | ONVIF, SDK, CGI |
| Streaming Method | Multicast |
| Max. User Access | Up to 10 users, 3 levels: Administrator, Operator, Media user |
| Web Viewer | <IE11, Chrome, Firefox, Microsoft Edge |
| Language | English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: English |

## INTERFACE

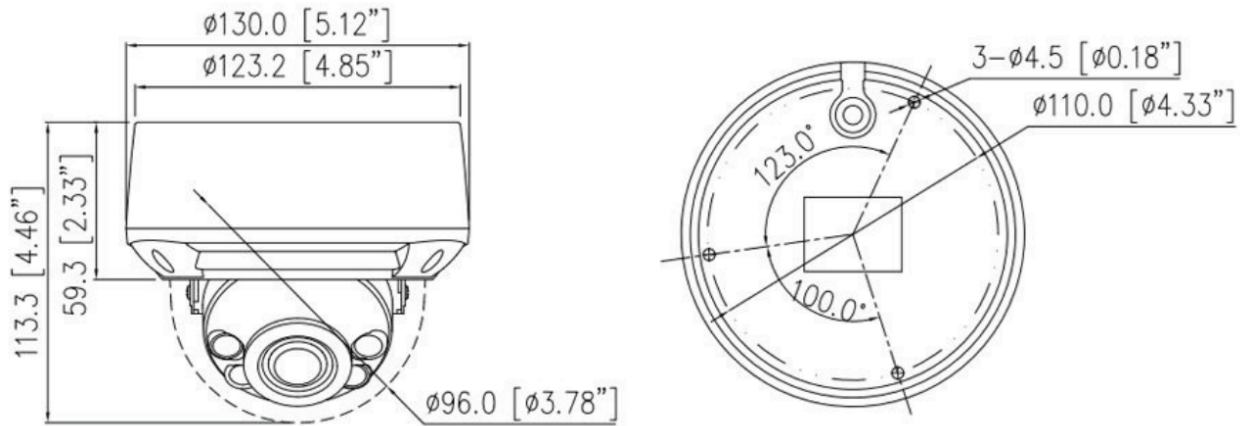| | |
|---|---|
| Network Interface | 1 Ethernet (10/100 Base-T) RJ-45 Connector |
| Audio Interface | 1ch Input, 1ch Output |
| Alarm Interface | 1ch Input, 1ch Output |
| Reset Button | Support |
| SD Card Slot | Built-in, up to 256GB |

## ELECTRICAL

| | | | |
|---|---|---|---|
| Power Supply | 12 VDC (-10% to +25%)/PoE (802.3af) | 12 VDC (-10% to +25%)/PoE (802.3af) | DC12V (-15% to +25%)/PoE ( 802.3af) |
| Power Consumption | Max 6.5 W | Max 7.5 W | Max 8.5 W |
| Operating Temperature | -40°C to 55°C (-40°F to 131°F ) | | |
| Operating Humidity | Less than 90% RH | | |
| Ingress Protection | IP66, IK10 | | |
| Certifications | CE-EMC (EN 55032:2015+A11:2020, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-6-3:2007+A1:2011+AC:2012, EN IEC 61000-3-2:2019, EN 61000-3-3:2013+A1:2019)<br>FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014) | | |
| Material | Aluminum alloy body, bubble: plastic | | |
| Dimensions | φ130 × 113.3 mm (φ5.12 × 4.46 inch) | | |
| Net Weight | 0.8 kg (1.76 lb) | | |

# Motorized VF Dome

## STRUCTURE DIAGRAMS (mm)



## ACCESSORIES (Optional)



Junction Box



Pendant Cap



Ceiling Mount



Recessed Mount



Wall Mount (1)



Wall Mount (2)



Pole Mount



Corner Mount