

CM42 Indoor Mini Dome Camera

Reliable 5MP Coverage in a Compact Form Factor



Overview

The CM42 mini dome camera provides reliable 5MP coverage in a compact form factor suited for discreet deployments and small spaces. With its 1 / 2.8" progressive CMOS image sensor and 20 meters / 66 feet of IR range, the CM42 ensures consistent image quality in a variety of lighting conditions. The CM42 includes an onboard CV25S Ambarella processor to support advanced analytics like AI-powered search, [occupancy trends](#), line crossing, loitering, and person of interest (POI) alerts. The CM42 is optimal for locations such as IT closets and hallway alcoves where space is limited, providing extensive coverage with detailed people analytics.

The CM42's sleek design and IK08 impact rating enable organizations to deploy a durable, tamper-resistant camera in small spaces while also keeping aesthetics top-of-mind. Installation is simple and intuitive, and setup is easy to track with an LED status indicator. The included mount plate additionally allows the camera to be mounted to a wall or ceiling without any additional hardware.

Key features

Excellent image quality

- 1 / 2.8" progressive CMOS image sensor
- 5MP resolution
- 20 meters / 66 feet of IR range for well-defined nighttime viewing

Advanced analytics

- Onboard CV25S Ambarella processor enables people and vehicle analytics
- AI-powered search and AI-powered alerts
- Occupancy trends for operational insights

Hybrid cloud architecture

- Onboard storage and processing for reduced bandwidth consumption and coverage at scale
- 30 - 365 days (256GB - 2TB) of onboard storage
- Redundant cloud backup and unlimited cloud-based archiving of footage

Easy installation

- Mounting plate and screw pack included
- LED light status indicator
- Digital mute switch to quickly enable or disable audio



CM42

Tech Specs

Camera features

| | | | |
|--|--|-----------------------------|---|
| Image Sensor | 1 / 2.8" Progressive CMOS | Shutter Speed | 1 / 30 sec. to 1 / 10,000 sec. |
| Sensor Resolution¹ | 5MP (2592 x 1944) | Day/Night | IR-cut filter for day and night function |
| Lens Type | Fixed | IR Cut Filter | Yes |
| Focal Length | 2.8mm | IR Range | 20m / 66ft |
| Aperture | F1.6 | Minimum Illumination | 0.009 lux @ F1.9 (Color) 0 lux with IR Illuminators on |
| Iris | Fixed | Onboard Storage | Capacity: From 256GB to 2TB Card: MicroSD, SDXC |
| Field of View (after LDC²) | Horizontal: 95° (79°) Vertical: 69° (62°) Diagonal: 130° (96°) | CPU | Ambarella CV25S88 |
| Sensor Movement | Tilt: 60° Pan: 350° Rotation: 180° | | |

Standard video settings

| | | | |
|-------------------------------|--|----------------------------------|--|
| Compression | H.265, H.264 | Historical Video Settings | Adaptive quality ¹ |
| Frame Rate³ | 24fps | Live Streaming Settings | High quality (HQ): Up to 3,000 Kbps (default) Standard quality (SQ): Up to 600 Kbps |
| WDR Technology | 104 dB dynamic range, true WDR, dual exposure | | |

Standard audio settings

| | | | |
|-----------------------|---------------|------------------------|---------------------|
| Audio | Supported | Interface | Built-in microphone |
| Audio Capacity | One-way audio | Effective Range | 5m / 15ft |

Power and network

| | | | |
|--------------------------------------|--|---------------------|---|
| Power Input⁴ | With IR: IEEE 802.3af Type 1 PoE Without IR: IEEE 802.3af Type 1 PoE Extended temperature range: N/A | Connectivity | RJ-45 cable connector for network/PoE connection; 10 / 100 / 1000 Mbps |
| Power Consumption⁴ | With IR: 37-57V, 0.17-0.11A, 6.1W Without IR: 37-57V, 0.09-0.06A, 3.2W Extended temperature range: N/A | RTSP | RTSP 1.0 RFC 2326 Max concurrent streams: 2 Audio support: Yes |

1. All our cameras record in "adaptive quality," capturing both standard (SQ) and high quality (HQ) streams. SQ video is stored up to the amount of retention specified by the customer. The amount of HQ video stored on the camera will depend on the amount of motion detected by the camera over time. To learn more, visit our website: <https://docs.verkada.com/docs/adaptive-quality-recording-whitepaper.pdf>

2. Lens Distortion Correction (LDC) crops the sensor field of view to deliver a rectified, undistorted output image.

3. Frame rate can be adjusted by support.

4. Extended temperature range includes operating temperatures below -10°C / 14°F and assumes IR will be enabled.



CM42

Tech Specs

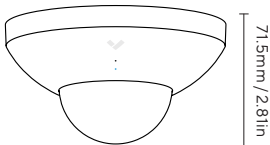
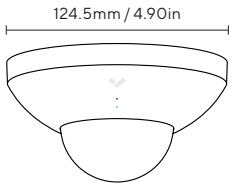
General

| | | | |
|-----------------------|--|----------------------|--|
| Operating Temperature | -10°C to 50°C / 14°F to 122°F | LED Indicator | System power and status indicator |
| Humidity | 0 to 90% | Warranty | 10 Years |
| Certifications | FCC, ICES, CE, UKCA, RCM, VCCI, KCC, BIS, NOM, MoE, NRKZI, EN 50155, UL/cUL/IEC 62368-1, IK08 impact rating, FY2019 NDAA compliant | Included Accessories | Setup guide, T10 security torx screwdriver, 3x wingnuts, 3x washers, 3x TP4.0 mount screws, 3x M4 wall screws, 3x wall anchors |

Mechanical

| | | | |
|------------|---|------|-----------------------------|
| Weight | Camera: 290g / 10.23oz Mount plate: 98g / 3.46oz | Body | Aluminum, plastic dome trim |
| Dimensions | Ø: 124.5mm / 4.90in, H: 71.5mm / 2.81in | | |

Dimensions



Software capabilities

| | | | |
|-------------------|--|-----------------------|---|
| Alerts | Camera status, motion detection, people detection, vehicle detection, person of interest detection, crowd detection, line-crossing detection, loitering detection, AI-powered alerts | Streaming and Storage | Cloud backup, configurable retention days, selectable storage location, low bandwidth mode, timelapse, RTSP |
| People Analytics | People search, attribute search, face search, occupancy trends, motion search, trajectory analysis, selective face blurring, AI-powered search | Sharing and Privacy | Live links, live face blur, privacy regions, audit log |
| Vehicle Analytics | Vehicle search, attribute search, motion search, trajectory analysis, occupancy trends, AI-powered search | | |



Ordering Information

CM42 pricing

| Model Number | MP ¹ | WDR | Lens | IR Range | Onboard Storage | Maximum SQ Onboard Retention ¹ | People/ Vehicle Analytics | Cost (MSRP) ^{USD} |
|--------------|-----------------|-----|-------|------------|-----------------|---|------------------------------|----------------------------|
| CM42-256-HW | 5MP | ✓ | Fixed | 20m / 66ft | 256GB | 30 Days | ✓ | \$699 |
| CM42-512-HW | 5MP | ✓ | Fixed | 20m / 66ft | 512GB | 60 Days | ✓ | \$1,099 |
| CM42-768-HW | 5MP | ✓ | Fixed | 20m / 66ft | 768GB | 90 Days | ✓ | \$1,499 |
| CM42-1TB-HW | 5MP | ✓ | Fixed | 20m / 66ft | 1TB | 120 Days | ✓ | \$1,899 |
| CM42-2TB-HW | 5MP | ✓ | Fixed | 20m / 66ft | 2TB | 365 Days | ✓ | \$3,199 |

1. All our cameras record in "adaptive quality," capturing both standard and high quality streams. Standard quality (SQ) video is stored up to the amount of retention specified by the customer. The amount of high quality video stored on the camera will depend on the amount of motion detected by the camera over time. To learn more, visit our website: <https://docs.verkada.com/docs/adaptive-quality-recording-whitepaper.pdf>



Ordering Information

Video Security Cloud License pricing (New/Capacity Increase)

| Model Number | Description | Cost (MSRP) USD |
|-----------------|---|-----------------|
| LIC-CAM-1Y-CAP | 1-Year Camera License, Capacity Increase | \$219 |
| LIC-CAM-3Y-CAP | 3-Year Camera License, Capacity Increase | \$599 |
| LIC-CAM-5Y-CAP | 5-Year Camera License, Capacity Increase | \$999 |
| LIC-CAM-10Y-CAP | 10-Year Camera License, Capacity Increase | \$1,999 |

Video Security Cloud License pricing (Renewal)

| Model Number | Description | Cost (MSRP) USD |
|-----------------|---------------------------------|-----------------|
| LIC-CAM-1Y-RNW | 1-Year Camera License, Renewal | \$219 |
| LIC-CAM-3Y-RNW | 3-Year Camera License, Renewal | \$599 |
| LIC-CAM-5Y-RNW | 5-Year Camera License, Renewal | \$999 |
| LIC-CAM-10Y-RNW | 10-Year Camera License, Renewal | \$1,999 |



Ordering Information

Accessories pricing

| Model Number | Description | Cost (MSRP) USD |
|------------------|--|-----------------|
| ACC-MNT-ARM-1 | Arm Mount | \$99 |
| ACC-MNT-CLIP-1 | Tile Clip Mount | \$99 |
| ACC-MNT-CORNER-1 | Corner Mount | \$199 |
| ACC-MNT-MJBOX-1 | Mini Junction Box Mount | \$79 |
| ACC-MNT-MPEND-1 | Mini Pendant Cap Mount | \$79 |
| ACC-MNT-MREC-1 | Mini Recess Mount | \$149 |
| ACC-MNT-POLE-1 | Pole Mount | \$209 |
| ACC-MNT-SJBOX-1 | Square Junction Box | \$89 |
| INJ-POE-PLUS | PoE Plus (802.3at Type 2) Injector, GigE | \$129 |



Ordering Information

Viewing Station pricing

| Model Number | Description | Cost (MSRP) USD |
|--------------|----------------------|-----------------|
| VX52-HW | VX52 Viewing Station | \$499 |

Viewing Station License pricing (New/Capacity Increase)

| Model Number | Description | Cost (MSRP) USD |
|----------------|--|-----------------|
| LIC-VX-1Y-CAP | 1-Year Viewing Station License, Capacity Increase | \$499 |
| LIC-VX-3Y-CAP | 3-Year Viewing Station License, Capacity Increase | \$1,299 |
| LIC-VX-5Y-CAP | 5-Year Viewing Station License, Capacity Increase | \$1,999 |
| LIC-VX-10Y-CAP | 10-Year Viewing Station License, Capacity Increase | \$3,999 |

Viewing Station License pricing (Renewal)

| Model Number | Description | Cost (MSRP) USD |
|----------------|--|-----------------|
| LIC-VX-1Y-RNW | 1-Year Viewing Station License, Renewal | \$499 |
| LIC-VX-3Y-RNW | 3-Year Viewing Station License, Renewal | \$1,299 |
| LIC-VX-5Y-RNW | 5-Year Viewing Station License, Renewal | \$1,999 |
| LIC-VX-10Y-RNW | 10-Year Viewing Station License, Renewal | \$3,999 |