

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 66 feet / 20 meters 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
- 66 feet / 20 meters 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	66ft / 20m
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	16ft / 5m

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: supported

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 14°F / -10°C and assumes IR will be enabled.



CM42

Tech specs

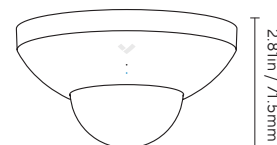
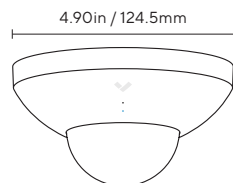
General

Operating temperature	14°F to 122°F / -10°C to 50°C	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: 10.23oz / 290g Mount plate: 3.46oz / 98g	Body	Aluminum, plastic dome trim
Dimensions	Ø: 4.90in / 124.5mm, H: 2.81in / 71.5mm		

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	US cost (MSRP) ^{USD}	WW cost (MSRP) ^{USD}
CM42-256-HW	5MP	✓	Fixed	66ft / 20m	256GB	30 Days	✓	\$899	\$799
CM42-512-HW	5MP	✓	Fixed	66ft / 20m	512GB	60 Days	✓	\$1,599	\$1,499
CM42-768-HW	5MP	✓	Fixed	66ft / 20m	768GB	90 Days	✓	\$2,299	\$2,199
CM42-1TB-HW	5MP	✓	Fixed	66ft / 20m	1TB	120 Days	✓	\$2,999	\$2,899
CM42-2TB-HW	5MP	✓	Fixed	66ft / 20m	2TB	365 Days	✓	\$5,199	\$5,099

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 software license pricing (new/capacity increase)

Model number	Description	US cost (MSRP) ^{USD}	WW cost (MSRP) ^{USD}
LIC-CAM-1Y-CAP	Verkada 1-Year Camera License, Capacity Increase	\$249	\$249
LIC-CAM-3Y-CAP	Verkada 3-Year Camera License, Capacity Increase	\$659	\$659
LIC-CAM-5Y-CAP	Verkada 5-Year Camera License, Capacity Increase	\$1,099	\$1,099
LIC-CAM-10Y-CAP	Verkada 10-Year Camera License, Capacity Increase	\$2,199	\$2,199

Video Security software license pricing (renewal)

Model number	Description	US cost (MSRP) ^{USD}	WW cost (MSRP) ^{USD}
LIC-CAM-1Y-RNW	Verkada 1-Year Camera License, Renewal	\$249	\$249
LIC-CAM-3Y-RNW	Verkada 3-Year Camera License, Renewal	\$659	\$659
LIC-CAM-5Y-RNW	Verkada 5-Year Camera License, Renewal	\$1,099	\$1,099
LIC-CAM-10Y-RNW	Verkada 10-Year Camera License, Renewal	\$2,199	\$2,199



Accessories

Recommended accessories

Model Number	Description
ACC-MNT-ARM-1	Verkada Arm Mount
ACC-MNT-CLIP-1	Verkada Tile Clips Mount
ACC-MNT-CORNER-1	Verkada Corner Mount
ACC-MNT-MJBOX-1	Verkada Mini Junction Box Mount
ACC-MNT-MPEND-1	Verkada Mini Pendant Cap Mount
ACC-MNT-MREC-1	Verkada Mini Recessed Ceiling Mount
ACC-MNT-POLE-1	Verkada Pole Mount
ACC-MNT-SJBOX-1	Verkada Square Junction Box Mount
INJ-POE-PLUS	Verkada PoE+ (802.3at Type 2) Injector, GigE