

CM22

Mini Indoor Dome Camera



Overview

Verkada's CM22 Indoor Mini Dome camera provides essential video security features in a compact form.

It is suitable for a variety of applications, from corporate offices and retail locations to banks and schools. The CM22 is a compact and powerful camera that offers many core benefits found in our Mini series cameras. It has a 3MP image sensor with 10 meters of IR range, up to 90 days of retention, and supports motion search and trajectory analysis. It also meets EN 50155 railway compliance standards and can be installed for transportation security on trains, buses and boats.

All Mini Series cameras come equipped with essential features such as data encryption, onboard storage and advanced motion-based insights. These features enable organizations to easily scale their security coverage and enhance situational awareness across multiple locations.

Key features

Coverage

- Bring clarity to investigations with 3MP, high-definition sensor resolution
- Effortlessly uncover in-scene details with enhanced digital zoom

Storage and processing

- 256GB - 768GB of onboard storage
- Powered by an Ambarella chipset to support Verkada's edge-based motion alerts
- Low-bandwidth impact, using only 20-50 kbps per camera at rest



CM22 Tech Specs



CM22

Camera features

Image Sensor	1/2.8" Progressive CMOS	Shutter Speed	1/30 sec. to 1/10,000 sec.
Sensor Resolution¹	3MP (2048 x 1536)	Day/Night	IR-cut filter for day and night function
Lens Type	Fixed	IR Cut Filter	Yes
Focal Length	2.8mm	IR Range	10m / 33ft
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 768GB 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	Not Supported
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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, 0.165-0.107A, 6.12W Without IR: 37-57V, 0.086-0.056A, 3.21W Extended temperature range: N/A	RTSP	RTSP 1.0 RFC 2326 Max concurrent streams: 2 Audio support: No

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 -8.5°C / 16.7°F and assumes IR will be enabled.



CM22 Tech Specs



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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	5 Years
Certifications	FCC, ICES, RCM, VCCI, CE, UKCA, EN 50155 railway compliance, UL/cUL/IEC 62368-1, NOM	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 / 4.9in, H: 71.5mm / 2.8in		

Software capabilities

Alerts	Camera status, motion detection, people detection, vehicle detection, crowd detection, line-crossing detection, loitering detection	Streaming and Storage	Cloud backup, configurable retention days, selectable storage location, low bandwidth mode, timelapse, RTSP
People Analytics	Motion search, trajectory analysis	Sharing and Privacy	Live Links, live face blur, privacy regions, audit log
Vehicle Analytics	Motion search, trajectory analysis		



Ordering Information

CM22 camera pricing

Model Number	MP ¹	WDR	Lens	IR Range	Onboard Storage	Maximum SQ Onboard Retention ¹	People/Vehicle Analytics	Cost (MSRP) ^{USD}
CM22-256-HW	3.0MP	✓	Fixed	10m / 33ft	256GB	30 Days	-	\$499
CM22-512-HW	3.0MP	✓	Fixed	10m / 33ft	512GB	60 Days	-	\$899
CM22-768-HW	3.0MP	✓	Fixed	10m / 33ft	768GB	90 Days	-	\$1,299

Video Security Cloud License pricing

Model Number	Description	Cost (MSRP) ^{USD}
LIC-CAM-1Y	1-Year Camera License	\$199
LIC-CAM-3Y	3-Year Camera License	\$549
LIC-CAM-5Y	5-Year Camera License	\$899
LIC-CAM-10Y	10-Year Camera License	\$1,799

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

Accessories pricing

Model Number	Description	Cost (MSRP) USD
ACC-MNT-MPEND-1	Mini Camera Pendant Cap Mount	\$79
ACC-MNT-MJBOX-1	Mini Camera Junction Box Mount	\$79
INJ-POE-PLUS	PoE Plus (802.3at) Injector, GigE	\$129

Viewing Station pricing

VX52-HW	VX52 Viewing Station	\$499
LIC-VX-1Y	1-Year Viewing Station License	\$499
LIC-VX-3Y	3-Year Viewing Station License	\$1,299
LIC-VX-5Y	5-Year Viewing Station License	\$1,999
LIC-VX-10Y	10-Year Viewing Station License	\$3,999