

CM41-E Outdoor Mini Dome Camera

Compact 5MP Coverage for Outdoor Environments



Overview

The CM41-E outdoor mini dome camera provides reliable 5MP coverage in a compact form factor suited for discreet exterior deployments and small exposed spaces. With its 1 / 2.8" progressive CMOS image sensor and 15 meters / 49 feet of IR range, the CM41-E ensures consistent image quality in a variety of lighting conditions as well as in inclement weather. The CM41-E includes an onboard S5L Ambarella processor to support analytics like AI-powered search, AI-powered alerts, and person of interest (POI) detection. The CM41-E is optimal for covering locations such as exterior alcoves and small fenced-in areas where space is limited. The camera's EN 50155 certification and thorough vibration testing also make it suitable for vehicle deployments.

Certified with IP67 weather and IK10 impact ratings, the CM41-E is designed to withstand extreme temperatures and excessive precipitation without compromising aesthetics. Installation and setup are easy to track using the LED status indicator, while the included mount plate makes it easy to install the camera on exterior walls or flat overhangs.

Key features

Excellent image quality

- 1 / 2.8" progressive CMOS image sensor
- 5MP resolution
- 15 meters / 49 feet of IR range for well-defined nighttime viewing

Advanced analytics

- Onboard S5L Ambarella processor enables people and vehicle analytics
- AI-powered search and AI-powered alerts

Hybrid cloud architecture

- Onboard storage and processing for reduced bandwidth consumption and coverage at scale
- 30 - 365 days (128GB - 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



CM41-E

Tech specs

Camera features

Image sensor	1 / 2.8" Progressive CMOS	Shutter speed	1 / 30 sec. to 1 / 10,000 sec.
Sensor resolution¹	5MP (2688 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	15m / 49ft
Aperture	F1.6	Minimum illumination	0.009 lux @ F1.9 (Color) 0 lux with IR Illuminators on
Iris	Fixed	Onboard storage	Capacity: From 128GB to 2TB Card: MicroSD, SDXC
Field of view (after LDC²)	Horizontal: 97° (78°) Vertical: 71° (63°) Diagonal: 128° (91°)	CPU	Ambarella S5L63
Sensor movement	Tilt: 70° Pan: 355° Rotation: 240°		

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): 600 Kbps

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: IEEE 802.3af Type 1 PoE	Connectivity	RJ-45 cable connector for network/PoE connection; 10 / 100 Mbps
Power consumption⁴	With IR: 37-57V, 0.14-0.09A, 5.5W Without IR: 37-57V, 0.08-0.05A, 3.2W Extended temperature range: 37-57V, 0.27-0.17A, 10.1W	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.



CM41-E

Tech specs

General

Operating temperature	-40°C to 55°C / -40°F to 131°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, UL/cUL/IEC 62368-1, CB, IP67 weather rating, IP6K9K, IK10 impact rating, IEC 60950, FY2019 NDAA compliant, EN 50155, EN 45545, EN 50121	Included accessories	Setup guide, T10 security torx screwdriver, wall mount screws (3x), junction box screws (2x), mounting template, desiccant bags, cable sealing components

Mechanical

Weight	Camera: 401g / 14.14oz Mount plate: 138g / 4.87oz	Body	Aluminum, plastic dome trim
Dimensions	Ø: 121.0mm / 4.78in, H: 72.0mm / 2.83in		

Dimensions



Software capabilities

Alerts	Camera status, motion detection, people detection, vehicle detection, person of interest detection, crowd 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, motion search, selective face blurring, AI-powered search	Sharing and privacy	Live links, privacy regions, audit log
Vehicle analytics	Vehicle search, attribute search, motion search, AI-powered search		



Ordering information

CM41-E 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}
CM41-30E-HW	5MP	✓	Fixed	15m / 49ft	128GB	30 Days	✓	\$999	\$999
CM41-60E-HW	5MP	✓	Fixed	15m / 49ft	256GB	60 Days	✓	\$1,399	\$1,399
CM41-90E-HW	5MP	✓	Fixed	15m / 49ft	384GB	90 Days	✓	\$1,799	\$1,799
CM41-365E-HW	5MP	✓	Fixed	15m / 49ft	2TB	365 Days	✓	\$3,199	\$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 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	Arm Mount
ACC-MNT-CORNER-1	Corner Mount
ACC-MNT-MJBOX-1	Mini Junction Box Mount
ACC-MNT-MPEND-1	Mini Pendant Cap Mount
ACC-MNT-POLE-1	Pole Mount
ACC-MNT-SJBOX-1	Square Junction Box
INJ-POE-PLUS	PoE Plus (802.3at Type 2) Injector, GigE