

CD22-E Outdoor Dome Camera

Essential 3MP coverage for monitoring outdoor environments



Overview

The CD22-E outdoor dome camera features a 1 / 2.8" progressive CMOS image sensor and 33 feet / 10 meters of IR range to provide supplemental 3MP coverage in various lighting and weather conditions. The CD22-E includes an onboard CV25S Ambarella processor to detect and alert on the presence of people and vehicles. The CD22-E is designed to add additional visual context to low-traffic exterior areas that require supporting coverage, making it optimal for deployments at scale where widespread outdoor coverage is necessary.

Certified with IP67 weather and IK10 impact ratings, the CD22-E withstands 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 straightforward to install the device on exterior walls or flat overhangs.

Key features

Clear image quality

- 1 / 2.8" progressive CMOS image sensor
- 3MP resolution
- 33 feet / 10 meters of IR range for nighttime viewing

Essential detection

- Onboard CV25S Ambarella processor enables people and vehicle detection

Durability and weather protection

- IP67 weather rating
- IK10 impact rating
- Operability between -40°F to 122°F / -40°C to 50°C

Hybrid cloud architecture

- Onboard storage and processing for reduced bandwidth consumption and coverage at scale
- 30 - 90 days (256GB - 768GB) 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



CD22-E

Tech specs

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	33ft / 10m
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: 97° (78°) Vertical: 71° (63°) Diagonal: 128° (91°)	CPU	Ambarella CV25S88
Sensor movement	Tilt: 60° Pan: 355° 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

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: IEEE 802.3at Type 2 PoE+	Connectivity	RJ-45 cable connector for network/PoE connection; 10 / 100 Mbps
Power consumption⁴	With IR: 37-57V, 0.23-0.15A, 8.6W Without IR: 37-57V, 0.11-0.07A, 4.3W Extended temperature range: 37-57V, 0.46-0.30A, 16.9W	RTSP	RTSP 1.0 RFC 2326 Max concurrent streams: 2 Audio: not 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.



CD22-E

Tech specs

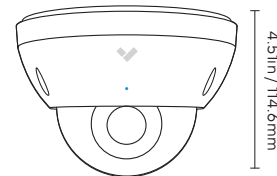
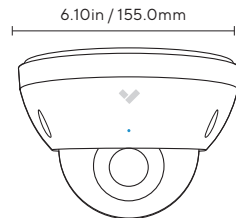
General

Operating temperature	-40°F to 122°F / -40°C to 50°C	LED indicator	System power and status indicator
Humidity	0 to 90%	Warranty	5 years
Certifications	FCC, ICES, CE, UKCA, RCM, VCCI, KCC, BIS, NOM, UL/cUL/IEC 62368-1, CB, IP67 weather rating, IK10 impact rating, FY2019 NDAA compliant	Included accessories	Setup guide, wall mount screws & anchors (4x), T10 security torx screwdriver, mounting template, cable gland wrench, desiccant pack, conduit adapter

Mechanical

Weight	Camera: 29.88oz / 847g Mount plate: 6.14oz / 174g	Body	Aluminum, plastic dome trim
Dimensions	Ø: 6.10in / 155.0mm, H: 4.51in / 114.6mm with mount plate Ø: 6.10in / 155.0mm, H: 4.24in / 107.6mm without mount plate		

Dimensions



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

CD22-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}
CD22-256E-HW	3MP	✓	Fixed	33ft / 10m	256GB	30 Days	-	\$999	\$899
CD22-512E-HW	3MP	✓	Fixed	33ft / 10m	512GB	60 Days	-	\$1,699	\$1,599
CD22-768E-HW	3MP	✓	Fixed	33ft / 10m	768GB	90 Days	-	\$2,399	\$2,299

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-CAM-SHIELD-1	Verkada Camera Weather Shield
ACC-MNT-ANGLE-1	Verkada Angle Mount
ACC-MNT-ARM-1	Verkada Arm Mount
ACC-MNT-CJBOX-1	Verkada Circle Junction Box Mount
ACC-MNT-CLIP-1	Verkada Tile Clips Mount
ACC-MNT-CORNER-1	Verkada Corner Mount
ACC-MNT-LBRAC-1	Verkada L-Bracket Mount
ACC-MNT-PEND-1	Verkada Pendant Cap Mount
ACC-MNT-POLE-1	Verkada Pole Mount
ACC-MNT-UPEND-1	Verkada Umbrella Pendant Cap Mount
INJ-POE-PLUS	Verkada PoE+ (802.3at Type 2) Injector, GigE