

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 10 meters / 33 feet 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
- 10 meters / 33 feet 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°C to 50°C / -40°F to 122°F

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



CD22-E

Tech Specs

General

Operating Temperature	-40°C to 50°C / -40°F to 122°F	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: 847g / 29.88oz Mount plate: 174g / 6.14oz	Body	Aluminum, plastic dome trim
Dimensions	Ø: 155.0mm / 6.10in, H: 114.6mm / 4.51in with mount plate Ø: 155.0mm / 6.10in, H: 107.6mm / 4.24in 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	Cost (MSRP) <small>USD</small>
CD22-256E-HW	3MP	✓	Fixed	10m / 33ft	256GB	30 Days	-	\$799
CD22-512E-HW	3MP	✓	Fixed	10m / 33ft	512GB	60 Days	-	\$1,199
CD22-768E-HW	3MP	✓	Fixed	10m / 33ft	768GB	90 Days	-	\$1,599

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-CAM-SHIELD-1	Camera Weather Shield	\$79
ACC-MNT-ANGLE-1	Angle Mount	\$149
ACC-MNT-ARM-1	Arm Mount	\$99
ACC-MNT-CJBOX-1	Circle Junction Box Mount	\$109
ACC-MNT-CLIP-1	Tile Clip Mount	\$99
ACC-MNT-CORNER-1	Corner Mount	\$199
ACC-MNT-LBRAC-1	L-Bracket Mount	\$129
ACC-MNT-PEND-1	Pendant Cap Mount	\$69
ACC-MNT-POLE-1	Pole Mount	\$209
ACC-MNT-UPEND-1	Umbrella Pendant Cap Mount	\$79
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