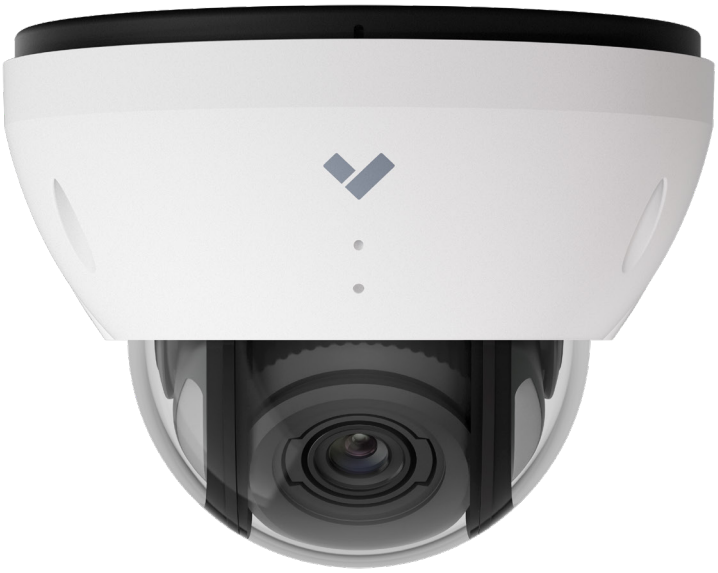
CD62-E Outdoor Dome Camera

Versatile 4K Coverage in a Variety of Outdoor Environments



Overview

The CD62-E outdoor dome camera features a 1 / 2.8" progressive CMOS image sensor, varifocal lens with 2.86x optical zoom, and 30 meters / 98 feet of IR range to provide pristine 4K coverage in a variety of lighting conditions as well as in inclement weather. The CD62-E includes an onboard CV22S Ambarella processor for advanced analytics like AI-powered search, Occupancy Trends, line crossing, loitering, and Person of Interest (POI) alerts. The CD62-E is optimal for covering busy building entrances, city sidewalks, and wide boulevards in order to capture high-resolution images of people and vehicles.

Certified with IP67 weather and IK10 impact ratings, the CD62-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

Superior image quality

- 1 / 2.8" progressive CMOS image sensor
- 4K resolution
- Varifocal lens with 2.86x optical zoom
- 30 meters / 98 feet of IR range for extensive nighttime visibility

Easy installation

- Mounting plate and screw pack included
- LED light status indicator
- Digital mute switch to quickly enable or disable audio

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 (512GB - 2TB) of onboard storage
- Redundant cloud backup and unlimited cloud-based archiving of footage

Advanced analytics

- Onboard CV22S Ambarella processor enables people and vehicle analytics
- AI-powered search and AI-powered alerts
- Occupancy Trends for operational insights

CD62-E
Tech specs

Camera features

Image sensor	1 / 2.8" Progressive CMOS	**Shutter speed**	1 / 30 sec. to 1 / 10,000 sec.
Sensor resolution[1]	4K (3840 x 2160)	**Day/night**	IR-cut filter for day and night function
Lens type	Varifocal; motorized zoom	**IR-cut filter**	Yes
Focal length	2.8-8mm	**IR range**	30m / 98ft
Aperture	F1.3 - F2.4	**Minimum illumination**	0.009 lux @ F1.9 (Color) 0 lux with IR Illuminators on
Iris	P-Iris	**Onboard storage**	Capacity: From 512GB to 2TB Card: MicroSD, SDXC
Field of view (after LDC[2]**)**	Horizontal: 116° - 41° (100° - 40°) Vertical: 62° - 23° (57° - 23°) Diagonal: 136° - 47° (106° - 45°)	**CPU**	Ambarella CV22S66
Sensor movement	Tilt: 60° Pan: 355° Rotation: 350°		

Standard video settings

Compression	H.265, H.264	**Historical video settings**	Adaptive quality[1]
Frame rate[3]	24fps	**Live streaming settings**	High quality (HQ): Up to 4,500 Kbps (default) Standard quality (SQ): Up to 600 Kbps

Standard audio settings

Audio	Supported	**Interface**	Built-in microphone
Audio capacity	One-way audio	**Effective range**	5m / 15ft

Power and network

Power input[4]	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 consumption[4]	With IR: 37-57V, 0.38-0.25A, 14.2W Without IR: 37-57V, 0.17-0.11A, 6.2W Extended temperature range: 37-57V, 0.53-0.34A, 19.5W	**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 -8.5°C / 16.7°F and assumes IR will be enabled.

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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**	10 years
Certifications	FCC, ICES, CE, UKCA, VCCI, KCC, BIS, NOM, UL/cUL/IEC 62368-1, CB, MoE, IP67 weather rating, IK10 impact rating, IEC60950-1, FY2019 NDAA compliant	**Included accessories**	Setup guide, wall mount screws and anchors (4x), T10 security torx screwdriver, mounting template, cable gland wrench, desiccant pack, conduit adapter

Mechanical

Weight	Camera: 994g / 35.06oz 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, 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		

Product information

CD62-E models

Model number	MP[1]	WDR	Lens	IR range	Onboard storage	Maximum SQ onboard retention[1]	People/ vehicle analytics
CD62-30E-HW	4K	✓	Zoom	30m / 98ft	512GB	30 Days	✓
CD62-60E-HW	4K	✓	Zoom	30m / 98ft	1TB	60 Days	✓
CD62-90E-HW	4K	✓	Zoom	30m / 98ft	2TB	90 Days	✓

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