

CD43 Indoor Dome Camera

Reliable 5MP Coverage for Clear Monitoring of Indoor Spaces



Overview

The CD43 dome camera provides 5MP coverage for a variety of indoor environments. With a 1 / 2.8" progressive CMOS image sensor and 20 meters / 66 feet of IR range, the CD43 offers clear and consistent image quality in most lighting conditions. The CD43 includes an onboard CV75S Ambarella processor to support advanced analytics like AI-powered search, [occupancy trends](#), line crossing, loitering, and person of interest (POI) alerts. The CD43 excels at covering busy everyday spaces like offices, lobbies, and parking garages. With its reliable coverage and detailed face and vehicle capture, it serves as the foundation for comprehensive enterprise fleet deployments.

Installation of the CD43 is straightforward and efficient, and setup is easy to monitor with a three-LED status indicator. The included mount plate contains captive screws and a built-in bubble level for precise wall or ceiling installations. With hardware features to expedite installation and an IK08 impact rating, the CD43 balances enterprise-grade durability with modern aesthetics.

Key features

Excellent image quality

- 1 / 2.8" progressive CMOS image sensor
- 5MP resolution
- 20 meters / 66 feet of IR range for well-defined nighttime viewing

Advanced analytics

- Onboard CV75S Ambarella processor for advanced people and vehicle analytics
- AI-powered search and AI-powered alerts
- Occupancy trends for operational insights

Hybrid cloud architecture

- Onboard storage and processing for reduced bandwidth consumption and coverage at scale
- 30 - 365 days (256GB - 2TB) onboard storage
- Redundant cloud backup and unlimited cloud-based archiving of footage

Streamlined installation

- Captive screws in mounting plate
- Three-LED light status indicator
- Built-in bubble level
- Physical and digital mute switches to easily enable or disable audio



CD43

Tech specs

Camera features

Image sensor	1 / 2.8" Progressive CMOS	Shutter speed	1 / 30 sec. to 1 / 10,000 sec.
Sensor resolution ¹	5MP (2688 x 1944)	Day/night	IR-cut filter for day and night function
Lens type	Fixed	IR-cut filter	Yes
Focal length	3.2mm	IR range	20m / 66ft
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 2TB Card: MicroSD, SDXC
Field of view (after LDC ²)	Horizontal: 101° (84°) Vertical: 73° (66°) Diagonal: 130° (99°)	CPU	Ambarella CV75S88
Sensor movement	Tilt: 60° Pan: 360° 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 3,000 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 / 16ft

Power and network

Power input ⁴	With IR: IEEE 802.3at Type 2 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 consumption ⁴	With IR: 37V-57V, 0.39A-0.29A, 16.8W Without IR: 37V-57V, 0.23A-0.15A, 8.5W Extended temperature range: N/A	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.



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Tech specs

General

Operating temperature	-10°C to 50°C / 14°F to 122°F	LED indicator	System power, status indicator and debug indicator
Humidity	0 to 90%	Warranty	10 years
Certifications	FCC, ICES, UKCA, CE, RCM, NOM, VCCI, ICASA, IK08 impact rating, Compliant to UL 2043	Included accessories	Screw packs, mount plate with leveler, T10 security driver

Mechanical

Weight	Camera: 951g / 33.55oz Mount plate: 193g / 6.81oz	Body	Aluminum, plastic dome trim
Dimensions	Ø: 155.0mm / 6.10in, H: 109.0mm / 4.29in with mount plate Ø: 155.0mm / 6.10in, H: 101.9mm / 4.01in 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		



Ordering information

CD43 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}
CD43-256-HW	5MP	✓	Fixed	20m / 66ft	256GB	30 Days	✓	\$1,199	\$1,099
CD43-512-HW	5MP	✓	Fixed	20m / 66ft	512GB	60 Days	✓	\$1,899	\$1,799
CD43-768-HW	5MP	✓	Fixed	20m / 66ft	768GB	90 Days	✓	\$2,599	\$2,499
CD43-1TB-HW	5MP	✓	Fixed	20m / 66ft	1TB	120 Days	✓	\$3,299	\$3,199
CD43-2TB-HW	5MP	✓	Fixed	20m / 66ft	2TB	365 Days	✓	\$5,499	\$5,399

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	US cost (MSRP) ^{USD}	WW cost(MSRP) ^{USD}
LIC-CAM-1Y-CAP	1-year camera license, capacity increase	\$249	\$249
LIC-CAM-3Y-CAP	3-year camera license, capacity increase	\$659	\$659
LIC-CAM-5Y-CAP	5-year camera license, capacity increase	\$1,099	\$1,099
LIC-CAM-10Y-CAP	10-year camera license, capacity increase	\$2,199	\$2,199

Video Security Cloud license pricing (renewal)

Model number	Description	US cost (MSRP) ^{USD}	WW cost(MSRP) ^{USD}
LIC-CAM-1Y-RNW	1-year camera license, renewal	\$249	\$249
LIC-CAM-3Y-RNW	3-year camera license, renewal	\$659	\$659
LIC-CAM-5Y-RNW	5-year camera license, renewal	\$1,099	\$1,099
LIC-CAM-10Y-RNW	10-year camera license, renewal	\$2,199	\$2,199



Accessories

Recommended accessories

Model Number	Description
ACC-CAM-SHIELD-1	Camera Weather Shield
ACC-MNT-ANGLE-1	Angle Mount
ACC-MNT-ARM-1	Arm Mount
ACC-MNT-CJBOX-1	Circle Junction Box Mount
ACC-MNT-CLIP-1	Tile Clip Mount
ACC-MNT-CORNER-1	Corner Mount
ACC-MNT-LBRAC-1	L-Bracket Mount
ACC-MNT-PEND-1	Pendant Cap Mount
ACC-MNT-POLE-1	Pole Mount
ACC-MNT-REC-2	Recess Ceiling Mount
INJ-POE-PLUS	PoE Plus (802.3at Type 2) Injector, GigE