

## CD63-F Government-Grade Indoor Dome Camera

### Vivid 4K Coverage in a Variety of Indoor Government Environments



#### Overview

The CD63-F is a government-grade dome camera that provides detailed 4K coverage for government deployments. With a large 1/1.2" progressive CMOS image sensor, varifocal lens with 2.25x optical zoom, and 40 meters / 130 feet of IR range for nighttime viewing, the CD63-F delivers impeccable image quality in both broad daylight and low-light conditions. The CD63-F also includes FIPS 140-validated encryption, has FedRAMP Ready status at the Moderate impact level, and is both TAA and FY2019 NDAA compliant — essential compliance criteria for government-grade deployments. The CD63-F is compatible with the standard Verkada Command platform, as well as Command hosted in AWS GovCloud.

The CD63-F includes an onboard CV72S Ambarella processor to support advanced analytics like AI-powered search, line crossing, loitering, and person of interest (POI) alerts. The CD63-F is ideal for high-traffic indoor areas like building entrances and exits, where detailed face and vehicle attribute capture are critical to privacy-sensitive monitoring.

The CD63-F's metal housing and IK08 impact rating protect against vandalism, tampering, and sun damage — providing reliable coverage in a variety of indoor settings. Installation is simple and intuitive with an in-house industrial design, featuring elements like captive screws that stay attached to the mounting plate, a three-LED light status indicator, a built-in bubble level to help ensure precise alignment, and physical and digital mute switches to easily enable or disable audio.

#### Key features

##### Superior image quality

- Large 1/1.2" progressive CMOS image sensor
- 4K resolution
- Varifocal lens with 2.25x optical zoom
- 40 meters / 130 feet of IR range for optimal nighttime viewing

##### Government-grade security

- Meets the FIPS 140 standard, as validated by NIST
- FedRAMP Ready status at the Moderate impact level as designated by the Federal Risk and Authorization Management Program
- TAA and FY2019 NDAA compliant

##### Advanced analytics

- Onboard CV72S Ambarella processor enables people and vehicle analytics
- Person of interest (POI) alerts for proactive monitoring

##### Hybrid cloud architecture

- Onboard storage and processing for reduced bandwidth consumption and coverage at scale
- 30 - 120 days (512GB - 3TB) of onboard storage
- Redundant cloud backup and unlimited cloud-based archiving of footage



## CD63-F

### Tech Specs

#### Camera features

<b>Image Sensor</b>	1/1.2" Progressive CMOS	<b>Shutter Speed</b>	1 / 30 sec. to 1 / 10,000 sec.
<b>Sensor Resolution<sup>1</sup></b>	4K (3840 x 2160)	<b>Day/Night</b>	IR-cut filter for day and night function
<b>Lens Type</b>	Varifocal; motorized zoom	<b>IR Cut Filter</b>	Yes
<b>Focal Length</b>	5.9 - 13.3mm	<b>IR Range</b>	40m / 130ft
<b>Aperture</b>	F1.5 - F2.9	<b>Minimum Illumination</b>	0.009 lux @ F1.9 (Color) 0 lux with IR Illuminators on
<b>Iris</b>	P-Iris	<b>Onboard Storage</b>	Capacity: From 512GB to 3TB Card: MicroSD, SDXC
<b>Field of View (after LDC<sup>2</sup>)</b>	Horizontal: 109° - 49° (102° - 47°) Vertical: 58° - 28° (58° - 27°) Diagonal: 113° - 55° (107° - 53°)	<b>CPU</b>	Ambarella CV72S66
<b>Sensor Movement</b>	Tilt: 65° Pan: 360° Rotation: 350°		

#### Standard video settings

<b>Compression</b>	H.265, H.264	<b>Historical Video Settings</b>	Adaptive quality <sup>1</sup>
<b>Frame Rate<sup>3</sup></b>	24fps	<b>Live Streaming Settings</b>	High quality (HQ): Up to 4,500 Kbps (default) Standard quality (SQ): Up to 600 Kbps

#### Standard audio settings

<b>Audio</b>	Supported	<b>Interface</b>	Built-in microphone
<b>Audio Capacity</b>	One-way audio	<b>Effective Range</b>	5m / 16ft

#### Power and network

<b>Power Input<sup>4</sup></b>	With IR: IEEE 802.3at Type 2 PoE+ Without IR: IEEE 802.3af Type 1 PoE Extended temperature range: N/A	<b>Connectivity</b>	RJ-45 cable connector for network/PoE connection; 10 / 100 / 1000 Mbps
<b>Power Consumption<sup>4</sup></b>	With IR: 43-57V, 0.48-0.36A, 20.4W Without IR: 43-57V, 0.20-0.27A, 11.3W Extended temperature range: N/A	<b>RTSP</b>	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.



## CD63-F

# Tech Specs

### General

<b>Operating Temperature</b>	-10°C to 50°C / 14°F to 122°F	<b>LED Indicator</b>	System power, status indicator, and debug indicator
<b>Humidity</b>	0 to 90%	<b>Warranty</b>	10 Years
<b>Certifications</b>	FCC, ICES, UKCA, CE, RCM, VCCI, NOM, KCC, IEC 62368-1, IK08 impact rating, Compliant to UL 2043	<b>Included Accessories</b>	Screw packs, mount plate with leveler, T10 security driver

### Mechanical

<b>Weight</b>	Camera: 1324g / 46.70oz Mount plate: 193g / 6.81oz	<b>Body</b>	Aluminum, plastic dome trim
<b>Dimensions</b>	Ø: 155.0mm / 6.10in, H: 111.4mm / 4.39in with mount plate Ø: 155.0mm / 6.10in, H: 104.4mm / 4.11in without mount plate		

### Dimensions



### Software capabilities

<b>Alerts</b>	Camera status, motion detection, people detection, vehicle detection, person of interest detection, crowd detection, line-crossing detection, loitering detection, AI-powered alerts	<b>Streaming and Storage</b>	Cloud backup, configurable retention days, selectable storage location, low bandwidth mode, timelapse, RTSP
<b>People Analytics</b>	People search, attribute search, face search, occupancy trends, motion search, trajectory analysis, selective face blurring, AI-powered search	<b>Sharing and Privacy</b>	Live links, live face blur, privacy regions, audit log
<b>Vehicle Analytics</b>	Vehicle search, attribute search, motion search, trajectory analysis, occupancy trends, AI-powered search		



## Ordering Information

### CD63-F pricing

Model Number	MP <sup>1</sup>	WDR	Lens	IR Range	Onboard Storage	Maximum SQ Onboard Retention <sup>1</sup>	People/Vehicle Analytics	Cost (MSRP) <small>USD</small>
CD63-512-HW-F	4K	✓	Zoom	40m / 130ft	512GB	30 Days	✓	\$1,899
CD63-1TB-HW-F	4K	✓	Zoom	40m / 130ft	1TB	60 Days	✓	\$2,699
CD63-2TB-HW-F	4K	✓	Zoom	40m / 130ft	2TB	90 Days	✓	\$3,999
CD63-3TB-HW-F	4K	✓	Zoom	40m / 130ft	3TB	120 Days	✓	\$5,299

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 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
LIC-CAM-1Y-CAP-G	1-Year Camera License for Government, Capacity Increase	\$329
LIC-CAM-3Y-CAP-G	3-Year Camera License for Government, Capacity Increase	\$899
LIC-CAM-5Y-CAP-G	5-Year Camera License for Government, Capacity Increase	\$1,499
LIC-CAM-10Y-CAP-G	10-Year Camera License for Government, Capacity Increase	\$2,999

### 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
LIC-CAM-1Y-RNW-G	1-Year Camera License for Government, Renewal	\$329
LIC-CAM-3Y-RNW-G	3-Year Camera License for Government, Renewal	\$899
LIC-CAM-5Y-RNW-G	5-Year Camera License for Government, Renewal	\$1,499
LIC-CAM-10Y-RNW-G	10-Year Camera License for Government, Renewal	\$2,999



## 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-REC-2	Recess Ceiling Mount	\$149
INJ-POE-PLUS	PoE Plus (802.3at Type 2) Injector, GigE	\$129