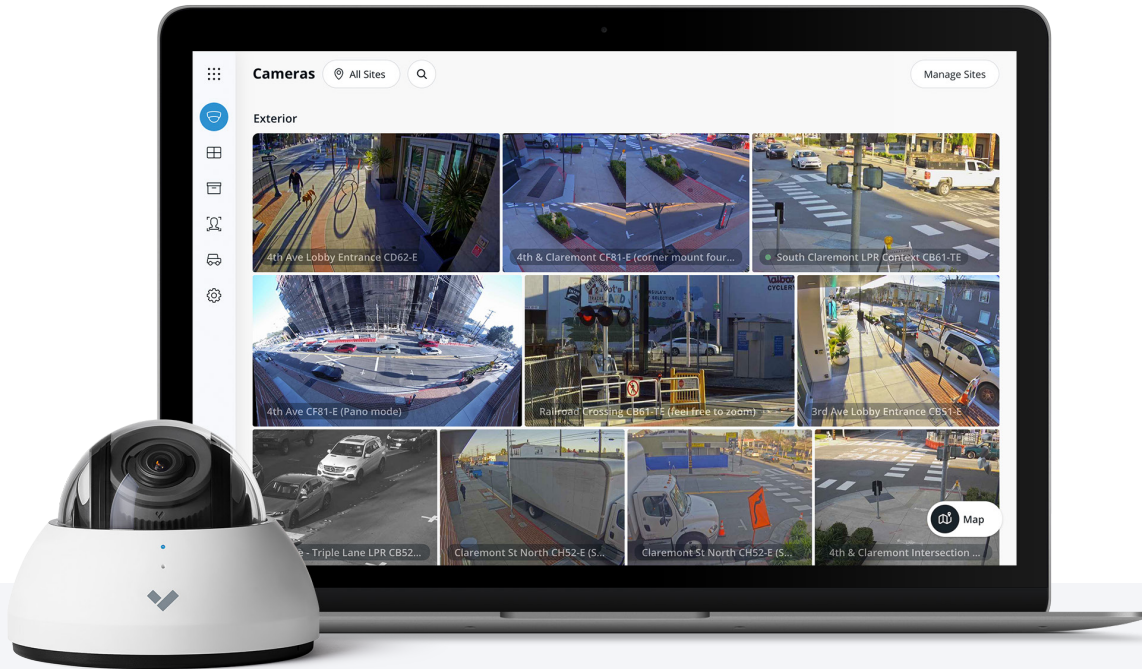


# Strengthen and Simplify Security at Scale



## Overview

Verkada’s line of hybrid cloud security cameras combine powerful edge-based processing with the limitless capabilities of cloud computing. With Verkada’s hybrid cloud architecture, cameras analyze events in real-time, while simultaneously leveraging Verkada’s industry-leading computer vision technology for instantaneous insights that bring speed and efficiency to incident investigations.

Verkada’s centralized web-based platform, Command, allows users to find the footage they need in seconds. With features like Motion Detection, People Analytics and Vehicle Analytics, teams can quickly search across their organization to find relevant footage, eliminating the need to scrub through incidents manually.

All cameras have built-in onboard storage, including extended storage options with up to 365 days of continuous recording in standard quality. With Verkada, organizations no longer need to worry about managing and maintaining devices like NVRs. Verkada cameras can self-manage, process and safely store footage locally on each device, while cloud-based archiving allows organizations to save and share as much footage as needed.

Available in a wide range of form factors, including indoor and outdoor models, Verkada security cameras work out-of-the-box without any additional downloads or configurations. Users can access events and associated footage from virtually anywhere and from any device. Most importantly, without needing to open port forwards or setup VPNs, all Verkada traffic is automatically protected with data encrypted in-transit (AES-128) and at-rest (AES-256).



## Video security hardware

# Wide Range of Form Factors Built for Any Need



### Dome Series

- Wide range of models for indoor and outdoor deployments
- Image resolutions ranging from 3MP-4K
- Up to 365 days of retention in standard quality
- 256GB - 2TB of onboard storage



### Mini Series

- Low-profile form factors for any environment
- Available in 3MP or 5MP image resolution
- Up to 365 days of retention in standard quality
- 128GB - 2TB of onboard storage



### Fisheye Camera

- Five viewing modes: Panoramic, PTZ, 2-way split, 3-way split and 4-way split
- High-resolution image quality with 12MP image resolution
- Up to 90 days of retention in standard quality
- 512GB - 2TB of onboard storage



### Bullet Series

- Available in wide and telephoto lens options
- Available in 5MP and 4K image resolutions
- Up to 365 days of retention in standard quality
- 256GB - 2TB of onboard storage
- License Plate Recognition available for bullet cameras



### Multisensor Camera

- Four independent cameras from a single install point
- Comprehensive coverage with 20MP image resolution
- Up to 365 days of retention in standard quality
- 1TB - 8TB of onboard storage



### Pan-Tilt-Zoom Camera

- Dynamic monitoring with 360° pan and 220° tilt
- Long range visibility with 28x optical zoom and 100m / 328ft IR illumination
- Up to 180 days of retention in standard quality
- 512GB-3TB of onboard storage



## Verkada’s hybrid cloud architecture



### No NVR or DVRs

Industrial-grade onboard storage saves up to 365 days of continuous video<sup>1</sup>

### Easy to scale

Bandwidth friendly and supports thousands of cameras across unlimited locations

### Centralized management

Modern platform enables secure access on any device from anywhere in the world

## The Reliability of Onboard Storage, With the Accessibility of the Cloud

### Simple to install

- No NVRs, DVRs, or servers—just a PoE connection
- Cameras come online and configure in minutes
- No added software or complexities like port forwarding

### Easy to use

- Centralized management for secure remote access on any device nearly anywhere
- No training required to access footage and features
- Find, download and share footage from any device

### Advantages of cloud-managed solution

- Real-time alerts if cameras fall offline
- SAML-based integration with single-sign on (SSO) solutions
- Continuous updates with new AI features
- Instantly share live footage via SMS and email
- Live, proactive alerting based on unusual activity

### Ready for scale

- Bandwidth-friendly, operating at just 20–50 kbps per head
- Scale to thousands of cameras per location
- No added equipment needed to support additional cameras

### No hidden costs

- Hardware includes up to a 10-year warranty<sup>2</sup>
- Automatic firmware updates keep systems secure
- New features and enhancements are added at no additional costs



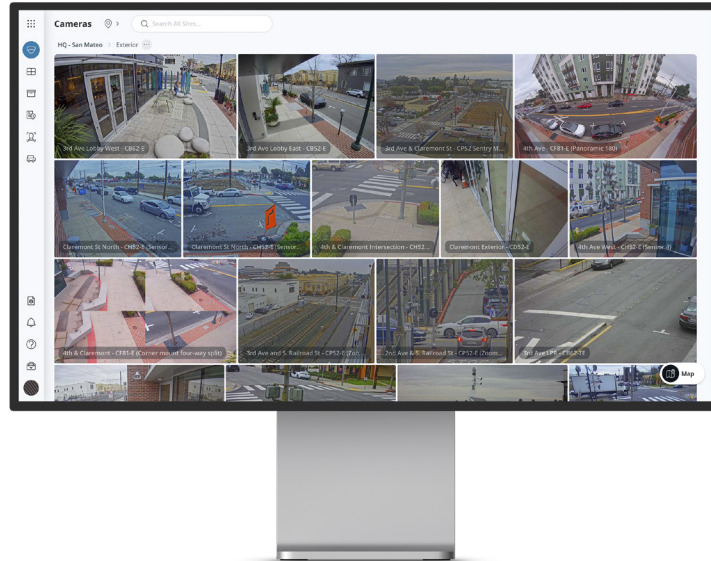
1. All our cameras record in "adaptive quality," capturing both standard and high quality streams. Standard quality (SQ) video is stored up to the amount of retention specified by the customer. The amount of high quality video stored on the camera will depend on the amount of motion detected by the camera over time. To learn more, visit our website: <https://docs.verkada.com/docs/adaptive-quality-recording-whitepaper.pdf>

2. The CP52-E Pan-Tilt-Zoom camera and CD22/E Dome cameras come with a 5-year warranty.



## Verkada Command overview

# All-in-one Cloud-based Management Software for Verkada Security Cameras



Command, Verkada’s cloud-based management software, is designed to deliver simple access and management for all cameras and users across all sites from virtually anywhere in the world. From Command, users can set up new cameras, create sites, manage settings, access live and archived footage, manage users and access the advanced features powered by Verkada’s edge-based analytics.

### Manage from anywhere

- Remotely access footage and manage sites from any supported browser or device
- Native apps for iOS, Android and Verkada’s VX52 Viewing Station
- Receive alerts for offline cameras, tampering and motion detection

### Effortlessly archive and share

- Command licenses include unlimited cloud archiving and 30-days of cloud backup
- Easily export any footage in MP4 format and allow recipients to verify its authenticity
- Share Live Links and floorplans with first responders

### Scale with simplicity

- Add more devices and sites without complicating the user experience
- Leverage granular roles and permissions to manage users at scale
- Bring cameras online without 3rd party plugins, thick clients or downloads

### Stay secure from the ground up

- Stay secure with data encrypted in transit (AES 128) and at rest (AES 256)
- Access cameras securely without port-forwarding, VPNs, or complicated configurations
- Receive automatic firmware updates to stay a step ahead of emerging threats

### Quickly detect and respond to threats

- Stay informed with customizable, intelligent alerts
- Speed up investigations with intelligent people and face detection
- Search and filter to find vehicles of interest and detected license plates

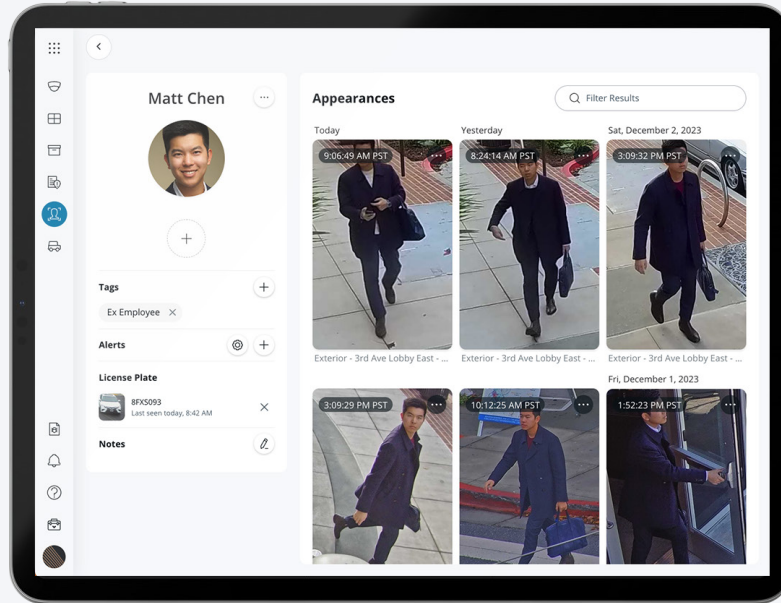
### Streamline incident management

- Consolidate relevant footage to easily review and annotate
- Share incidents while controlling permissions and retaining audit logs
- Export incidents in a zip file and auto-generate incident reports



## Verkada's People Analytics

# Simplify and Speed Up Investigations With Intelligent People and Face Detection



People Analytics combines intelligent edge-based video processing with computer vision in the cloud to give users high-quality images of all individuals identified in the scene. Using People Analytics, customers can filter people by various attributes and expedite investigations.

## Bring Intelligence to Investigations

### Face search

- Quickly search for matching people by selecting an existing face from your organization or by uploading an image

### Person history

- Browse through high-resolution snapshots of people detected
- Save snapshots or easily access associated full-res video
- Search for matched people across your entire organization with cross-camera search

### Attribute filters

- Filter based on a range of attributes, including clothing color, gender appearance and facial matches

### Person of Interest notifications

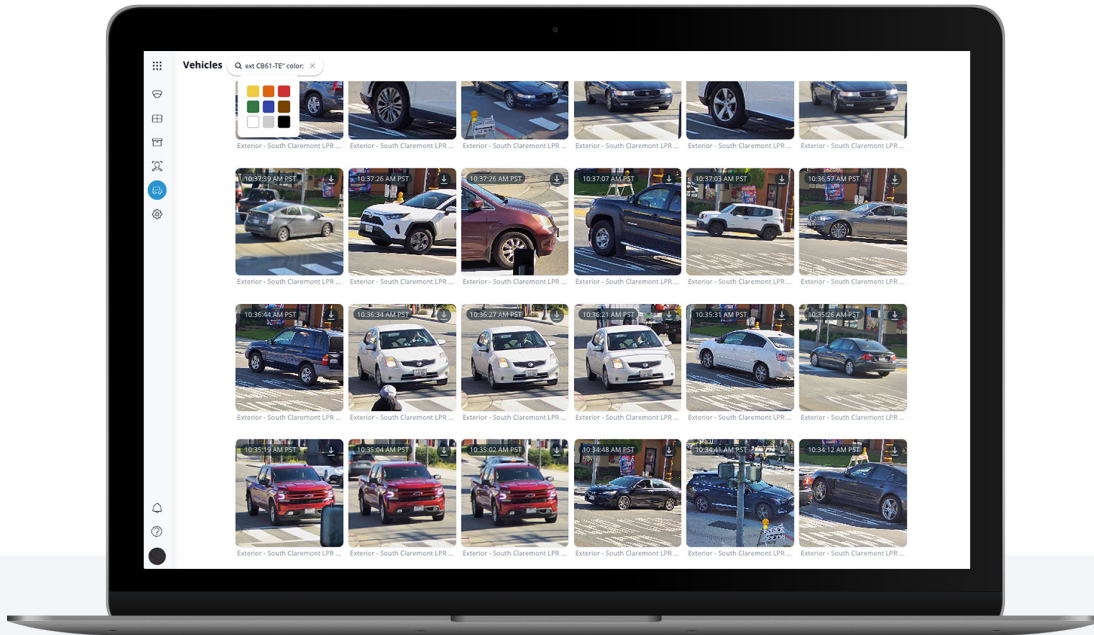
- Create a Person of Interest using an uploaded photo or existing face in Command
- Set up proactive SMS/email alerts for when a matching face is detected by a camera
- Link License Plates of Interest to a Person of Interest





## Verkada's Vehicle Analytics

### Quickly Search and Filter To Find Vehicles of Interest



Vehicle Analytics is a powerful edge-based feature that gives users high-quality images of all vehicles identified in a scene. With Verkada's centralized management platform, customers can filter vehicles by date, time, color and body type.

## Find and Filter Vehicles With Ease

### Vehicle history

- Browse through high-resolution snapshots of vehicles detected in frame
- Save snapshots or easily access associated full-res video

### Investigate anywhere

- Vehicle Analytics is available from any compatible device and can be accessed from virtually anywhere in the world

### Cross-camera search

- Easily find similar vehicles of interest across all cameras deployed across all sites
- Create and export playback of multiple angles of a vehicle to quickly provide evidence

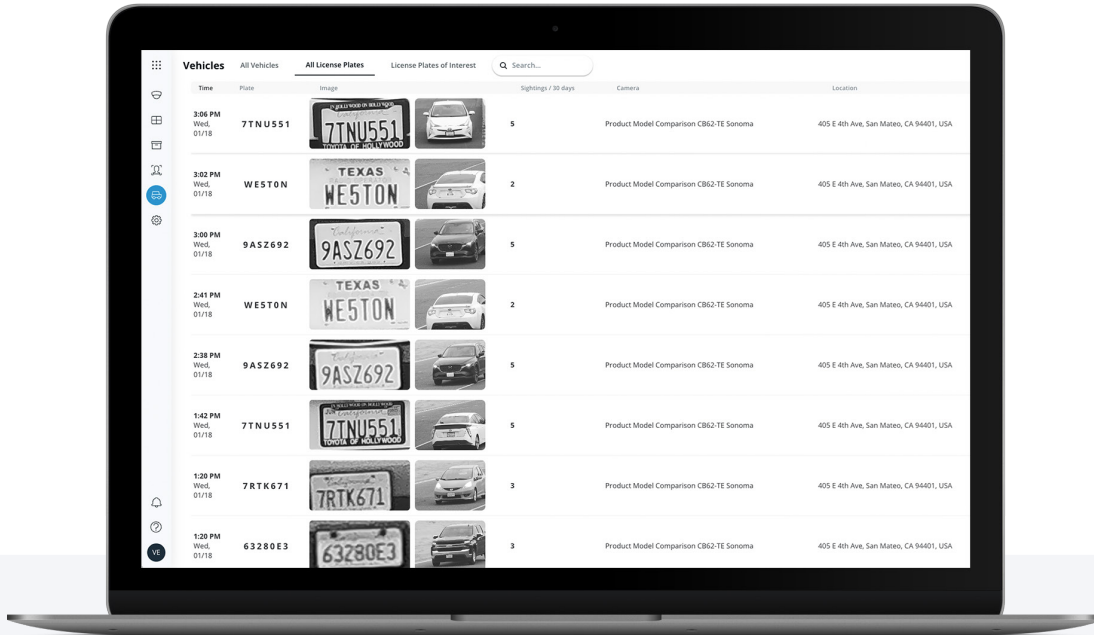
### Attribute filters

- Filter based on a range of attributes, including vehicle color and body type



## License Plate Recognition

# Enhanced Vehicle Insights with Verkada's Powerful LPR Camera Solution



Verkada's License Plate Recognition (LPR) solution offers intelligent software that allows organizations to monitor license plates in real-time and streamline vehicle investigations. The solution uses Verkada's edge-based processing and computer vision technology to capture license plate images and provide users with a readable and searchable list of license plate numbers. These captures are connected to live or recorded video for added context.

## Automatic License Plate Detection

### Track fast-moving vehicles and broaden your coverage

Capture license plate characters at speeds of up to 80 mph / 128 kph, cover up to three lanes and recognize international license plates – all with high precision and low latency\*

### Maximize your video security capabilities with our LPR cameras

Retain key camera functionality in LPR mode. Easily conduct motion searches, review recorded history and archive footage

### Streamline investigations with our user-friendly LPR system

Improve security and control access by adding custom descriptions to each license plate

### Find License Plates - even with incorrect or incomplete input

Get more comprehensive search results with our system that provides approximate license plate matches even if the inputted characters are incorrect or if the system is unable to capture all characters

### Receive custom License Plate of Interest Alerts

Send alerts to specific individuals or entire teams when designated license plates are detected across your LPR-enabled cameras

\*For best results, install cameras as outlined in the [User Guide for License Plate Recognition](#).



## Indoor Dome Series Tech Specs



CD22

### Camera features

<b>Image Sensor</b>	1/2.8" Progressive CMOS	<b>Shutter Speed</b>	1/30 sec. to 1/10,000 sec.
<b>Sensor Resolution<sup>1</sup></b>	3MP (2048 x 1536)	<b>Day/Night</b>	IR-cut filter for day and night function
<b>Lens Type</b>	Fixed	<b>IR Cut Filter</b>	Yes
<b>Focal Length</b>	2.8mm	<b>IR Range</b>	10m / 33ft
<b>Aperture</b>	F1.6	<b>Minimum Illumination</b>	0.009 lux @ F1.9 (Color) 0 lux with IR Illuminators on
<b>Iris</b>	Fixed	<b>Onboard Storage</b>	Capacity: From 256GB to 768GB Card: MicroSD, SDXC
<b>Field of View (after LDC<sup>2</sup>)</b>	Horizontal: 97° (78°) Vertical: 71° (63°) Diagonal: 128° (91°)	<b>CPU</b>	Ambarella CV25S88
<b>Sensor Movement</b>	Tilt: 60° Pan: 355° Rotation: 180°		

### 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 3,000 Kbps (default) Standard quality (SQ): Up to 600 Kbps

### Standard audio settings

<b>Audio</b>	Not Supported
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### Power and network

<b>Power Input<sup>4</sup></b>	With IR: IEEE 802.3af Type 1 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 Mbps
<b>Power Consumption<sup>4</sup></b>	With IR: 37-57V, 0.23-0.15A, 8.59W Without IR: 37-57V, 0.11-0.07A, 4.25W Extended temperature range: N/A	<b>RTSP</b>	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 -8.5°C / 16.7°F and assumes IR will be enabled.





# Indoor Dome Series Tech Specs



CD22

## General

<b>Operating Temperature</b>	-10°C to 50°C / 14°F to 122°F	<b>LED Indicator</b>	System power and status indicator
<b>Humidity</b>	0 to 90%	<b>Warranty</b>	5 Years
<b>Certifications</b>	UL, FCC, CB, CE, BIS, NOM, KCC, IK08 impact rating	<b>Included Accessories</b>	Setup guide, T10 security torx screwdriver, screw pack, mounting template

## Mechanical

<b>Weight</b>	Camera: 608g / 21.45oz Mount plate: 140g / 4.94oz	<b>Body</b>	Aluminum, plastic dome trim
<b>Dimensions</b>	Ø: 146mm / 5.75in, H: 104.3mm / 4.11in with mount plate Ø: 146mm / 5.75in, H: 99.8mm / 3.93in without mount plate		

## Software capabilities

<b>Alerts</b>	Camera status, motion detection, people detection, vehicle detection, crowd detection, line-crossing detection, loitering detection	<b>Streaming and Storage</b>	Cloud backup, configurable retention days, selectable storage location, low bandwidth mode, timelapse, RTSP
<b>People Analytics</b>	Motion search, trajectory analysis	<b>Sharing and Privacy</b>	Live Links, live face blur, privacy regions, audit log
<b>Vehicle Analytics</b>	Motion search, trajectory analysis		



## Indoor Dome Series Tech Specs



CD32

### Camera features

<b>Image Sensor</b>	1/2.8" Progressive CMOS	<b>Shutter Speed</b>	1/30 sec. to 1/10,000 sec.
<b>Sensor Resolution<sup>1</sup></b>	3MP (2048 x 1536)	<b>Day/Night</b>	IR-cut filter for day and night function
<b>Lens Type</b>	Fixed	<b>IR Cut Filter</b>	Yes
<b>Focal Length</b>	2.8mm	<b>IR Range</b>	15m / 49ft
<b>Aperture</b>	F1.6	<b>Minimum Illumination</b>	0.009 lux @ F1.9 (Color) 0 lux with IR Illuminators on
<b>Iris</b>	Fixed	<b>Onboard Storage</b>	Capacity: From 256GB to 768GB Card: MicroSD, SDXC
<b>Field of View (after LDC<sup>2</sup>)</b>	Horizontal: 97° (78°) Vertical: 71° (63°) Diagonal: 128° (91°)	<b>CPU</b>	Ambarella CV25S88
<b>Sensor Movement</b>	Tilt: 60° Pan: 355° Rotation: 180°		

### 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 3,000 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 / 15ft

### Power and network

<b>Power Input<sup>4</sup></b>	With IR: IEEE 802.3af Type 1 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 Mbps
<b>Power Consumption<sup>4</sup></b>	With IR: 37-57V, 0.23-0.15A, 8.59W Without IR: 37-57V, 0.11-0.07A, 4.25W 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 -8.5°C / 16.7°F and assumes IR will be enabled.



# Indoor Dome Series Tech Specs



CD32

## General

<b>Operating Temperature</b>	-10°C to 50°C / 14°F to 122°F	<b>LED Indicator</b>	System power and status indicator
<b>Humidity</b>	0 to 90%	<b>Warranty</b>	10 Years
<b>Certifications</b>	UL, FCC, CB, CE, BIS, NOM, KCC, IK08 impact rating	<b>Included Accessories</b>	Setup guide, T10 security torx screwdriver, screw pack, mounting template

## Mechanical

<b>Weight</b>	Camera: 608g / 21.45oz Mount plate: 140g / 4.94oz	<b>Body</b>	Aluminum, plastic dome trim
<b>Dimensions</b>	Ø: 146mm / 5.75in, H: 104.3mm / 4.11in with mount plate Ø: 146mm / 5.75in, H: 99.8mm / 3.93in without mount plate		

## Software capabilities

<b>Alerts</b>	Camera status, motion detection, people detection, vehicle detection, Person of Interest detection, crowd detection, line-crossing detection, loitering detection	<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	<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		



## Indoor Dome Series Tech Specs



CD42

### Camera features

<b>Image Sensor</b>	1/2.8" Progressive CMOS	<b>Shutter Speed</b>	1/30 sec. to 1/10,000 sec.
<b>Sensor Resolution<sup>1</sup></b>	5MP (2688 x 1944)	<b>Day/Night</b>	IR-cut filter for day and night function
<b>Lens Type</b>	Fixed	<b>IR Cut Filter</b>	Yes
<b>Focal Length</b>	2.8mm	<b>IR Range</b>	15m / 49ft
<b>Aperture</b>	F1.6	<b>Minimum Illumination</b>	0.009 lux @ F1.9 (Color) 0 lux with IR Illuminators on
<b>Iris</b>	Fixed	<b>Onboard Storage</b>	Capacity: From 256GB to 2TB Card: MicroSD, SDXC
<b>Field of View (after LDC<sup>2</sup>)</b>	Horizontal: 97° (78°) Vertical: 71° (63°) Diagonal: 128° (91°)	<b>CPU</b>	Ambarella CV25S88
<b>Sensor Movement</b>	Tilt: 60° Pan: 355° Rotation: 180°		

### 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 3,000 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 / 15ft

### Power and network

<b>Power Input<sup>4</sup></b>	With IR: IEEE 802.3af Type 1 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 Mbps
<b>Power Consumption<sup>4</sup></b>	With IR: 37-57V, 0.23-0.15A, 8.59W Without IR: 37-57V, 0.11-0.07A, 4.25W 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 -8.5°C / 16.7°F and assumes IR will be enabled.



# Indoor Dome Series Tech Specs



CD42

## General

<b>Operating Temperature</b>	-10°C to 50°C / 14°F to 122°F	<b>LED Indicator</b>	System power and status indicator
<b>Humidity</b>	0 to 90%	<b>Warranty</b>	10 Years
<b>Certifications</b>	UL, FCC, CB, CE, BIS, NOM, KCC, IK08 impact rating	<b>Included Accessories</b>	Setup guide, T10 security torx screwdriver, screw pack, mounting template

## Mechanical

<b>Weight</b>	Camera: 608g / 21.45oz Mount plate: 140g / 4.94oz	<b>Body</b>	Aluminum, plastic dome trim
<b>Dimensions</b>	Ø: 146mm / 5.75in, H: 104.3mm / 4.11in with mount plate Ø: 146mm / 5.75in, H: 99.8mm / 3.93in without mount plate		

## Software capabilities

<b>Alerts</b>	Camera status, motion detection, people detection, vehicle detection, Person of Interest detection, crowd detection, line-crossing detection, loitering detection	<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	<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		



## Indoor Dome Series

### Tech Specs



CD52

#### Camera features

<b>Image Sensor</b>	1/2.8" Progressive CMOS	<b>Shutter Speed</b>	1/30 sec. to 1/10,000 sec.
<b>Sensor Resolution<sup>1</sup></b>	5MP (2688 x 1944)	<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>	2.8-8mm	<b>IR Range</b>	30m / 98ft
<b>Aperture</b>	F1.3 - F2.4	<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 256GB to 2TB Card: MicroSD, SDXC
<b>Field of View (after LDC<sup>2</sup>)</b>	Horizontal: 38° - 105° (37° - 84°) Vertical: 29° - 77° (28° - 68°) Diagonal: 48° - 126° (45° - 97°)	<b>CPU</b>	Ambarella CV25S88
<b>Sensor Movement</b>	Tilt: 60° Pan: 355° 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 3,000 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 / 15ft

#### Power and network

<b>Power Input<sup>4</sup></b>	With IR: IEEE 802.3af Type 1 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 Mbps
<b>Power Consumption<sup>4</sup></b>	With IR: 37-57V, 0.3-0.2A, 10.98W Without IR: 37-57V, 0.13-0.08A, 4.74W 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 -8.5°C / 16.7°F and assumes IR will be enabled.





# Indoor Dome Series Tech Specs



CD52

## General

<b>Operating Temperature</b>	-10°C to 50°C / 14°F to 122°F	<b>LED Indicator</b>	System power and status indicator
<b>Humidity</b>	0 to 90%	<b>Warranty</b>	10 Years
<b>Certifications</b>	FCC, ICES, CE, UL, CB, NOM, KCC, IK08 impact rating	<b>Included Accessories</b>	Setup guide, T10 security torx screwdriver, screw pack, mounting template

## Mechanical

<b>Weight</b>	Camera: 776g / 29.88oz Mount plate: 140g / 4.94oz	<b>Body</b>	Aluminum, plastic dome trim
<b>Dimensions</b>	Ø: 146mm / 5.75in, H: 104.3mm / 4.11in with mount plate Ø: 146mm / 5.75in, H: 99.8mm / 3.93in without mount plate		

## Software capabilities

<b>Alerts</b>	Camera status, motion detection, people detection, vehicle detection, Person of Interest detection, crowd detection, line-crossing detection, loitering detection	<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	<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		



## Indoor Dome Series Tech Specs



CD62

### Camera features

<b>Image Sensor</b>	1/2.8" 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>	2.8-8mm	<b>IR Range</b>	30m / 98ft
<b>Aperture</b>	F1.3 - F2.4	<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 2TB Card: MicroSD, SDXC
<b>Field of View (after LDC<sup>2</sup>)</b>	Horizontal: 41° - 116° (40° - 100°) Vertical: 23° - 62° (23° - 57°) Diagonal: 47° - 136° (45° - 106°)	<b>CPU</b>	Ambarella CV22S66
<b>Sensor Movement</b>	Tilt: 60° Pan: 355° 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 / 15ft

### Power and network

<b>Power Input<sup>4</sup></b>	With IR: IEEE 802.3af Type 1 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 Mbps
<b>Power Consumption<sup>4</sup></b>	With IR: 37-57V, 0.38-0.25A, 14.2W Without IR: 37-57V, 0.17-0.11A, 6.2W 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 -8.5°C / 16.7°F and assumes IR will be enabled.



# Indoor Dome Series Tech Specs



CD62

## General

<b>Operating Temperature</b>	-10°C to 50°C / 14°F to 122°F	<b>LED Indicator</b>	System power and status indicator
<b>Humidity</b>	0 to 90%	<b>Warranty</b>	10 Years
<b>Certifications</b>	FCC, ICES, CE, UL, CB, IK08 impact rating, IEC60950-1, KCC, BIS	<b>Included Accessories</b>	Setup guide, T10 security torx screwdriver, screw pack, mounting template

## Mechanical

<b>Weight</b>	Camera: 887g / 31.29oz Mount plate: 140g / 4.94oz	<b>Body</b>	Aluminum, plastic dome trim
<b>Dimensions</b>	Ø: 146mm / 5.75in, H: 104.3mm / 4.11in with mount plate Ø: 146mm / 5.75in, H: 99.8mm / 3.93in without mount plate		

## Software capabilities

<b>Alerts</b>	Camera status, motion detection, people detection, vehicle detection, Person of Interest detection, crowd detection, line-crossing detection, loitering detection	<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	<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		



## Outdoor Dome Series Tech Specs



CD22-E

### Camera features

<b>Image Sensor</b>	1/2.8" Progressive CMOS	<b>Shutter Speed</b>	1/30 sec. to 1/10,000 sec.
<b>Sensor Resolution<sup>1</sup></b>	3MP (2048 x 1536)	<b>Day/Night</b>	IR-cut filter for day and night function
<b>Lens Type</b>	Fixed	<b>IR Cut Filter</b>	Yes
<b>Focal Length</b>	2.8mm	<b>IR Range</b>	10m / 33ft
<b>Aperture</b>	F1.6	<b>Minimum Illumination</b>	0.009 lux @ F1.9 (Color) 0 lux with IR Illuminators on
<b>Iris</b>	Fixed	<b>Onboard Storage</b>	Capacity: From 256GB to 768GB Card: MicroSD, SDXC
<b>Field of View (after LDC<sup>2</sup>)</b>	Horizontal: 97° (78°) Vertical: 71° (63°) Diagonal: 128° (91°)	<b>CPU</b>	Ambarella CV25S88
<b>Sensor Movement</b>	Tilt: 60° Pan: 355° Rotation: 180°		

### 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 3,000 Kbps (default) Standard quality (SQ): Up to 600 Kbps

### Standard audio settings

<b>Audio</b>	Not Supported
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### Power and network

<b>Power Input<sup>4</sup></b>	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+	<b>Connectivity</b>	RJ-45 cable connector for network/PoE connection; 10 / 100 Mbps
<b>Power Consumption<sup>4</sup></b>	With IR: 37-57V, 0.23-0.15A, 8.59W Without IR: 37-57V, 0.11-0.07A, 4.25W Extended temperature range: 37-57V, 0.46-0.3A, 16.94W	<b>RTSP</b>	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 -8.5°C / 16.7°F and assumes IR will be enabled.



# Outdoor Dome Series Tech Specs



CD22-E

## General

<b>Operating Temperature</b>	-40°C to 50°C / -40°F to 122°F	<b>LED Indicator</b>	System power and status indicator
<b>Humidity</b>	0 to 90%	<b>Warranty</b>	5 Years
<b>Certifications</b>	FCC, ICES, CE, UL, CB, NOM, IP67 weather rating, IK10 impact rating, KCC	<b>Included Accessories</b>	Setup guide, wall mount screws & anchors (4x), T10 security torx screwdriver, mounting template, cable gland wrench, desiccant pack, conduit adapter

## Mechanical

<b>Weight</b>	Camera: 847g / 29.88oz Mount plate: 174g / 6.14oz	<b>Body</b>	Aluminum, plastic dome trim
<b>Dimensions</b>	Ø: 155mm / 6.10in, H: 114.6mm / 4.51in with mount plate Ø: 155mm / 6.10in, H: 107.6mm / 4.24in without mount plate		

## Software capabilities

<b>Alerts</b>	Camera status, motion detection, people detection, vehicle detection, crowd detection, line-crossing detection, loitering detection	<b>Streaming and Storage</b>	Cloud backup, configurable retention days, selectable storage location, low bandwidth mode, timelapse, RTSP
<b>People Analytics</b>	Motion search, trajectory analysis	<b>Sharing and Privacy</b>	Live Links, live face blur, privacy regions, audit log
<b>Vehicle Analytics</b>	Motion search, trajectory analysis		



## Outdoor Dome Series Tech Specs



CD32-E

### Camera features

<b>Image Sensor</b>	1/2.8" Progressive CMOS	<b>Shutter Speed</b>	1/30 sec. to 1/10,000 sec.
<b>Sensor Resolution<sup>1</sup></b>	3MP (2048 x 1536)	<b>Day/Night</b>	IR-cut filter for day and night function
<b>Lens Type</b>	Fixed	<b>IR Cut Filter</b>	Yes
<b>Focal Length</b>	2.8mm	<b>IR Range</b>	15m / 49ft
<b>Aperture</b>	F1.6	<b>Minimum Illumination</b>	0.009 lux @ F1.9 (Color) 0 lux with IR Illuminators on
<b>Iris</b>	Fixed	<b>Onboard Storage</b>	Capacity: From 256GB to 768GB Card: MicroSD, SDXC
<b>Field of View (after LDC<sup>2</sup>)</b>	Horizontal: 97° (78°) Vertical: 71° (63°) Diagonal: 128° (91°)	<b>CPU</b>	Ambarella CV25S88
<b>Sensor Movement</b>	Tilt: 60° Pan: 355° Rotation: 180°		

### 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 3,000 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 / 15ft

### Power and network

<b>Power Input<sup>4</sup></b>	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+	<b>Connectivity</b>	RJ-45 cable connector for network/PoE connection; 10 / 100 Mbps
<b>Power Consumption<sup>4</sup></b>	With IR: 37-57V, 0.23-0.15A, 8.59W Without IR: 37-57V, 0.11-0.07A, 4.25W Extended temperature range: 37-57V, 0.46-0.3A, 16.94W	<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 -8.5°C / 16.7°F and assumes IR will be enabled.





# Outdoor Dome Series Tech Specs



CD32-E

## General

<b>Operating Temperature</b>	-40°C to 50°C / -40°F to 122°F	<b>LED Indicator</b>	System power and status indicator
<b>Humidity</b>	0 to 90%	<b>Warranty</b>	10 Years
<b>Certifications</b>	FCC, ICES, CE, UL, CB, NOM, IP67 weather rating, IK10 impact rating, KCC	<b>Included Accessories</b>	Setup guide, wall mount screws and anchors (4x), T10 security torx screwdriver, mounting template, cable gland wrench, desiccant pack, conduit adapter

## Mechanical

<b>Weight</b>	Camera: 847g / 29.88oz Mount plate: 174g / 6.14oz	<b>Body</b>	Aluminum, plastic dome trim
<b>Dimensions</b>	Ø: 155mm / 6.10in, H: 114.6mm / 4.51in with mount plate Ø: 155mm / 6.10in, H: 107.6mm / 4.24in without mount plate		

## Software capabilities

<b>Alerts</b>	Camera status, motion detection, people detection, vehicle detection, Person of Interest detection, crowd detection, line-crossing detection, loitering detection	<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	<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		



## Outdoor Dome Series Tech Specs



CD42-E

### Camera features

<b>Image Sensor</b>	1/2.8" Progressive CMOS	<b>Shutter Speed</b>	1/30 sec. to 1/10,000 sec.
<b>Sensor Resolution<sup>1</sup></b>	5MP (2688 x 1944)	<b>Day/Night</b>	IR-cut filter for day and night function
<b>Lens Type</b>	Fixed	<b>IR Cut Filter</b>	Yes
<b>Focal Length</b>	2.8mm	<b>IR Range</b>	15m / 49ft
<b>Aperture</b>	F1.6	<b>Minimum Illumination</b>	0.009 lux @ F1.9 (Color) 0 lux with IR Illuminators on
<b>Iris</b>	Fixed	<b>Onboard Storage</b>	Capacity: From 256GB to 2TB Card: MicroSD, SDXC
<b>Field of View (after LDC<sup>2</sup>)</b>	Horizontal: 97° (78°) Vertical: 71° (63°) Diagonal: 128° (91°)	<b>CPU</b>	Ambarella CV25S88
<b>Sensor Movement</b>	Tilt: 60° Pan: 355° Rotation: 180°		

### 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 3,000 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 / 15ft

### Power and network

<b>Power Input<sup>4</sup></b>	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+	<b>Connectivity</b>	RJ-45 cable connector for network/PoE connection; 10/100 Mbps
<b>Power Consumption<sup>4</sup></b>	With IR: 37-57V, 0.23-0.15A, 8.59W Without IR: 37-57V, 0.11-0.07A, 4.25W Extended temperature range: 37-57V, 0.46-0.3A, 16.94W	<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 -8.5°C / 16.7°F and assumes IR will be enabled.



# Outdoor Dome Series Tech Specs



CD42-E

## General

<b>Operating Temperature</b>	-40°C to 50°C / -40°F to 122°F	<b>LED Indicator</b>	System power and status indicator
<b>Humidity</b>	0 to 90%	<b>Warranty</b>	10 Years
<b>Certifications</b>	FCC, ICES, CE, UL, CB, NOM, IP67 weather rating, IK10 impact rating, KCC	<b>Included Accessories</b>	Setup guide, wall mount screws and anchors (4x), T10 security torx screwdriver, mounting template, cable gland wrench, desiccant pack, conduit adapter

## Mechanical

<b>Weight</b>	Camera: 847g / 29.88oz Mount plate: 174g / 6.14oz	<b>Body</b>	Aluminum, plastic dome trim
<b>Dimensions</b>	Ø: 155mm / 6.10in, H: 114.6mm / 4.51in with mount plate Ø: 155mm / 6.10in, H: 107.6mm / 4.24in without mount plate		

## Software capabilities

<b>Alerts</b>	Camera status, motion detection, people detection, vehicle detection, Person of Interest detection, crowd detection, line-crossing detection, loitering detection	<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	<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		



## Outdoor Dome Series Tech Specs



CD52-E

### Camera features

<b>Image Sensor</b>	1/2.8" Progressive CMOS	<b>Shutter Speed</b>	1/30 sec. to 1/10,000 sec.
<b>Sensor Resolution<sup>1</sup></b>	5MP (2688 x 1944)	<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>	2.8-8mm	<b>IR Range</b>	30m / 98ft
<b>Aperture</b>	F1.3 - F2.4	<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 256GB to 2TB Card: MicroSD, SDXC
<b>Field of View (after LDC<sup>2</sup>)</b>	Horizontal: 38° - 105° (37° - 84°) Vertical: 29° - 77° (28° - 68°) Diagonal: 48° - 126° (45° - 97°)	<b>CPU</b>	Ambarella CV25S88
<b>Sensor Movement</b>	Tilt: 60° Pan: 355° 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 3,000 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 / 15ft

### Power and network

<b>Power Input<sup>4</sup></b>	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+	<b>Connectivity</b>	RJ-45 cable connector for network/PoE connection; 10/100 Mbps
<b>Power Consumption<sup>4</sup></b>	With IR: 37-57V, 0.3-0.2A, 10.98W Without IR: 37-57V, 0.13-0.08A, 4.74W Extended temperature range: 37-57V, 0.43-0.28A, 16.03W	<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 -8.5°C / 16.7°F and assumes IR will be enabled.



# Outdoor Dome Series Tech Specs



CD52-E

## General

<b>Operating Temperature</b>	-40°C to 50°C / -40°F to 122°F	<b>LED Indicator</b>	System power and status indicator
<b>Humidity</b>	0 to 90%	<b>Warranty</b>	10 Years
<b>Certifications</b>	FCC, ICES, CE, UL, CB, NOM, KCC, IP67 weather rating, IK10 impact rating	<b>Included Accessories</b>	Setup guide, wall mount screws and anchors (4x), T10 security torx screwdriver, mounting template, cable gland wrench, desiccant pack, conduit adapter

## Mechanical

<b>Weight</b>	Camera: 1070g / 37.74oz Mount plate: 174g / 6.14oz	<b>Body</b>	Aluminum, plastic dome trim
<b>Dimensions</b>	Ø: 155mm / 6.10in, H: 114.6mm / 4.51in with mount plate Ø: 155mm / 6.10in, H: 107.6mm / 4.24in without mount plate		

## Software capabilities

<b>Alerts</b>	Camera status, motion detection, people detection, vehicle detection, Person of Interest detection, crowd detection, line-crossing detection, loitering detection	<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	<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		



## Outdoor Dome Series Tech Specs



CD62-E

### Camera features

<b>Image Sensor</b>	1/2.8" 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>	2.8-8mm	<b>IR Range</b>	30m / 98ft
<b>Aperture</b>	F1.3 - F2.4	<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 2TB Card: MicroSD, SDXC
<b>Field of View (after LDC<sup>2</sup>)</b>	Horizontal: 41° - 116° (40° - 100°) Vertical: 23° - 62° (23° - 57°) Diagonal: 47° - 136° (45° - 106°)	<b>CPU</b>	Ambarella CV22S66
<b>Sensor Movement</b>	Tilt: 60° Pan: 355° 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 / 15ft

### Power and network

<b>Power Input<sup>4</sup></b>	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+	<b>Connectivity</b>	RJ-45 cable connector for network/PoE connection; 10/100 Mbps
<b>Power Consumption<sup>4</sup></b>	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, 19.51W	<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 -8.5°C / 16.7°F and assumes IR will be enabled.





# Outdoor Dome Series Tech Specs



CD62-E

## General

<b>Operating Temperature</b>	-40°C to 50°C / -40°F to 122°F	<b>LED Indicator</b>	System power and status indicator
<b>Humidity</b>	0 to 90%	<b>Warranty</b>	10 Years
<b>Certifications</b>	FCC, ICES, CE, UL, CB, IP67 weather rating, IK10 impact rating, IEC60950-1, KCC, BIS	<b>Included Accessories</b>	Setup guide, wall mount screws and anchors (4x), T10 security torx screwdriver, mounting template, cable gland wrench, desiccant pack, conduit adapter

## Mechanical

<b>Weight</b>	Camera: 994g / 35.06oz Mount plate: 174g / 6.14oz	<b>Body</b>	Aluminum, plastic dome trim
<b>Dimensions</b>	Ø: 155mm / 6.1in, H: 114.6mm / 4.51in with mount plate Ø: 155mm / 6.1in, H: 107.6mm / 4.24in without mount plate		

## Software capabilities

<b>Alerts</b>	Camera status, motion detection, people detection, vehicle detection, Person of Interest detection, crowd detection, line-crossing detection, loitering detection	<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	<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		



## Mini Series camera Tech Specs



CM22

### Camera features

<b>Image Sensor</b>	1/2.8" Progressive CMOS	<b>Shutter Speed</b>	1/30 sec. to 1/10,000 sec.
<b>Sensor Resolution<sup>1</sup></b>	3MP (2048 x 1536)	<b>Day/Night</b>	IR-cut filter for day and night function
<b>Lens Type</b>	Fixed	<b>IR Cut Filter</b>	Yes
<b>Focal Length</b>	2.8mm	<b>IR Range</b>	10m / 33ft
<b>Aperture</b>	F1.6	<b>Minimum Illumination</b>	0.009 lux @ F1.9 (Color) 0 lux with IR Illuminators on
<b>Iris</b>	Fixed	<b>Onboard Storage</b>	Capacity: From 256GB to 768GB Card: MicroSD, SDXC
<b>Field of View (after LDC<sup>2</sup>)</b>	Horizontal: 95° (79°) Vertical: 69° (62°) Diagonal: 130° (96°)	<b>CPU</b>	Ambarella CV25S88
<b>Sensor Movement</b>	Tilt: 60° Pan: 350° Rotation: 180°		

### 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 3,000 Kbps (default) Standard quality (SQ): Up to 600 Kbps
<b>WDR Technology</b>	104 dB dynamic range, true WDR, dual exposure		

### Standard audio settings

<b>Audio</b>	Not supported
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### Power and network

<b>Power Input<sup>4</sup></b>	With IR: IEEE 802.3af Type 1 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: 37-57V, 0.165-0.107A, 6.12W Without IR: 37-57V, 0.086-0.056A, 3.21W Extended temperature range: N/A	<b>RTSP</b>	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 -8.5°C / 16.7°F and assumes IR will be enabled.



# Mini Series camera Tech Specs



CM22

## General

<b>Operating Temperature</b>	-10°C to 50°C / 14°F to 122°F	<b>LED Indicator</b>	System power and status indicator
<b>Humidity</b>	0 to 90%	<b>Warranty</b>	5 Years
<b>Certifications</b>	FCC, ICES, RCM, VCCI, CE, UKCA, EN 50155 railway compliance, UL/cUL/IEC 62368-1, NOM, IK08 impact rating	<b>Included Accessories</b>	Setup guide, T10 security torx screwdriver, 3x wingnuts, 3x washers, 3x TP4.0 mount screws, 3x M4 wall screws, 3x wall anchors

## Mechanical

<b>Weight</b>	Camera: 290g / 10.23oz Mount plate: 98g / 3.46oz	<b>Body</b>	Aluminum, plastic dome trim
<b>Dimensions</b>	Ø: 124.5mm / 4.9in, H: 71.5mm / 2.8in		

## Software capabilities

<b>Alerts</b>	Camera status, motion detection, people detection, vehicle detection, crowd detection, line-crossing detection, loitering detection	<b>Streaming and Storage</b>	Cloud backup, configurable retention days, selectable storage location, low bandwidth mode, timelapse, RTSP
<b>People Analytics</b>	Motion search, trajectory analysis	<b>Sharing and Privacy</b>	Live Links, live face blur, privacy regions, audit log
<b>Vehicle Analytics</b>	Motion search, trajectory analysis		



## Mini Series camera Tech Specs



CM42

### Camera features

<b>Image Sensor</b>	1/2.8" Progressive CMOS	<b>Shutter Speed</b>	1/30 sec. to 1/10,000 sec.
<b>Sensor Resolution<sup>1</sup></b>	5MP (2592 x 1944)	<b>Day/Night</b>	IR-cut filter for day and night function
<b>Lens Type</b>	Fixed	<b>IR Cut Filter</b>	Yes
<b>Focal Length</b>	2.8mm	<b>IR Range</b>	20m / 66ft
<b>Aperture</b>	F1.6	<b>Minimum Illumination</b>	0.009 lux @ F1.9 (Color) 0 lux with IR Illuminators on
<b>Iris</b>	Fixed	<b>Onboard Storage</b>	Capacity: From 256GB to 2TB Card: MicroSD, SDXC
<b>Field of View (after LDC<sup>2</sup>)</b>	Horizontal: 95° (79°) Vertical: 69° (62°) Diagonal: 130° (96°)	<b>CPU</b>	Ambarella CV25S88
<b>Sensor Movement</b>	Tilt: 60° Pan: 350° Rotation: 180°		

### 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 3,000 Kbps (default) Standard quality (SQ): Up to 600 Kbps
<b>WDR Technology</b>	104 dB dynamic range, true WDR, dual exposure		

### 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 / 15ft

### Power and network

<b>Power Input<sup>4</sup></b>	With IR: IEEE 802.3af Type 1 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: 37-57V, 0.165-0.107A, 6.12W Without IR: 37-57V, 0.086-0.056A, 3.21W 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 -8.5°C / 16.7°F and assumes IR will be enabled.



# Mini Series camera Tech Specs



CM42

## General

<b>Operating Temperature</b>	-10°C to 50°C / 14°F to 122°F	<b>LED Indicator</b>	System power and status indicator
<b>Humidity</b>	0 to 90%	<b>Warranty</b>	10 Years
<b>Certifications</b>	FCC, ICES, RCM, VCCI, CE, UKCA, EN 50155 railway compliance, UL/cUL/IEC 62368-1, NOM, IK08 impact rating	<b>Included Accessories</b>	Setup guide, T10 security torx screwdriver, 3x wingnuts, 3x washers, 3x TP4.0 mount screws, 3x M4 wall screws, 3x wall anchors

## Mechanical

<b>Weight</b>	Camera: 290g / 10.23oz Mount plate: 98g / 3.46oz	<b>Body</b>	Aluminum, plastic dome trim
<b>Dimensions</b>	Ø: 124.5mm / 4.9in, H: 71.5mm / 2.8in		

## Software capabilities

<b>Alerts</b>	Camera status, motion detection, people detection, vehicle detection, Person of Interest detection, crowd detection, line-crossing detection, loitering detection	<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	<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		



## Mini Series camera Tech Specs



CM41-E

### Camera features

<b>Image Sensor</b>	1/2.8" Progressive CMOS	<b>Shutter Speed</b>	1/30 sec. to 1/10,000 sec.
<b>Sensor Resolution<sup>1</sup></b>	5MP (2688 x 1944)	<b>Day/Night</b>	IR-cut filter for day and night function
<b>Lens Type</b>	Fixed	<b>IR Cut Filter</b>	Yes
<b>Focal Length</b>	2.8mm	<b>IR Range</b>	15m / 49ft
<b>Aperture</b>	F1.6	<b>Minimum Illumination</b>	0.009 lux @ F1.9 (Color) 0 lux with IR Illuminators on
<b>Iris</b>	Fixed	<b>Onboard Storage</b>	Capacity: From 128GB to 2TB Card: MicroSD, SDXC
<b>Field of View (after LDC<sup>2</sup>)</b>	Horizontal: 97° (78°) Vertical: 71° (63°) Diagonal: 128° (91°)	<b>CPU</b>	Ambarella S5L63
<b>Sensor Movement</b>	Tilt: 70° Pan: 355° Rotation: 240°		

### 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): 1,000 - 4,500 Kbps (1,500 Kbps default) Standard quality (SQ): 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 / 15ft

### Power and network

<b>Power Input<sup>4</sup></b>	With IR: IEEE 802.3af Type 1 PoE Without IR: IEEE 802.3af Type 1 PoE Extended temperature range: IEEE 802.3af Type 1 PoE	<b>Connectivity</b>	RJ-45 cable connector for network/PoE connection; 10/100 Mbps
<b>Power Consumption<sup>4</sup></b>	With IR: 37-57V, 0.14-0.09A, 5.46W Without IR: 37-57V, 0.08-0.05A, 3.22W Extended temperature range: 37-57V, 0.27-0.17A, 10.1W	<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 -8.5°C / 16.7°F and assumes IR will be enabled.



# Mini Series camera Tech Specs



CM41-E

## General

<b>Operating Temperature</b>	-40°C to 55°C / 40°F to 131°F	<b>LED Indicator</b>	System power and status indicator
<b>Humidity</b>	0 to 90%	<b>Warranty</b>	10 Years
<b>Certifications</b>	FCC, ICES, CE, UL, CB, BIS, NOM, VCCI, IP67 weather rating, IP6K9K, IK10 impact rating, IEC 60950, IEC 62368, NDAA, EN 50155 railway compliance, EN 45545 railway fire compliance, EN 50121 railway EMC compliance	<b>Included Accessories</b>	Setup guide, T10 security torx screwdriver, wall mount screws (3x), junction box screws (2x), mounting template, desiccant bags, cable sealing components

## Mechanical

<b>Weight</b>	Camera: 401g / 14.14oz Mount plate: 138g / 4.87oz	<b>Body</b>	Aluminum, plastic dome trim
<b>Dimensions</b>	Ø: 121mm / 4.78in, H: 72mm / 2.83in		

## Software capabilities

<b>Alerts</b>	Camera status, motion detection, people detection, vehicle detection, Person of Interest detection, crowd detection	<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, motion search	<b>Sharing and Privacy</b>	Live link, privacy regions, audit log
<b>Vehicle Analytics</b>	Vehicle search, attribute search, motion search		



## Mini Series camera Tech Specs



### CM41-S

#### Camera features

<b>Image Sensor</b>	1/2.8" Progressive CMOS	<b>Shutter Speed</b>	1/30 sec. to 1/10,000 sec.
<b>Sensor Resolution<sup>1</sup></b>	5MP (2688 x 1944)	<b>Day/Night</b>	IR-cut filter for day and night function
<b>Lens Type</b>	Fixed	<b>IR Cut Filter</b>	Yes
<b>Focal Length</b>	2.8mm	<b>IR Range</b>	N/A
<b>Aperture</b>	F1.6	<b>Minimum Illumination</b>	0.009 lux @ F1.9 (Color) 0 lux with IR Illuminators on
<b>Iris</b>	Fixed	<b>Onboard Storage</b>	Capacity: From 128GB to 384GB Card: MicroSD, SDXC
<b>Field of View (after LDC<sup>2</sup>)</b>	Horizontal: 97° (78°) Vertical: 71° (63°) Diagonal: 128° (91°)	<b>CPU</b>	Ambarella S5L63
<b>Sensor Movement</b>	Tilt: 90° Pan: N/A Rotation: 240°		

#### 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 3,000 Kbps (default) Standard quality (SQ): Up to 600 Kbps

#### Standard audio settings

<b>Audio</b>	Not Supported
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#### Power and network

<b>Power Input<sup>4</sup></b>	With IR: N/A 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 Mbps
<b>Power Consumption<sup>4</sup></b>	With IR: N/A Without IR: 37-57V, 0.1-0.06A, 3.55W Extended temperature range: N/A	<b>RTSP</b>	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 -8.5°C / 16.7°F and assumes IR will be enabled.





# Mini Series camera Tech Specs



CM41-S

## General

<b>Operating Temperature</b>	-10°C to 50°C / 14°F to 122°F	<b>LED Indicator</b>	System power and status indicator
<b>Humidity</b>	0 to 90%	<b>Warranty</b>	10 Years
<b>Certifications</b>	FCC, ICES, CE, UL, CB, NOM	<b>Included Accessories</b>	Setup guide, mounting template, camera mounting screws (2x), hub mounting screws (2x)

## Mechanical

<b>Weight</b>	Camera: 199g / 7.02oz Mount plate: 55g / 1.94oz	<b>Body</b>	Aluminum, plastic housing
<b>Dimensions</b>	Camera Head: H: 47.90mm / 1.89in, W: 55.22mm / 2.17in, D: 35.22mm / 1.39in Base: Ø: 94.18mm / 3.70in, H: 27.64mm / 1.09in		

## Software capabilities

<b>Alerts</b>	Camera status, motion detection, people detection, vehicle detection, Person of Interest detection, crowd detection	<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, motion search	<b>Sharing and Privacy</b>	Live Link, privacy regions, audit log
<b>Vehicle Analytics</b>	Vehicle search, attribute search, motion search		



## Bullet Series Tech Specs



CB52-E

### Camera features

<b>Image Sensor</b>	1/2.8" Progressive CMOS	<b>Shutter Speed</b>	1/30 sec. to 1/10,000 sec.
<b>Sensor Resolution<sup>1</sup></b>	5MP (2688 x 1944)	<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>	2.8mm–8mm	<b>IR Range</b>	30m / 98ft
<b>Aperture</b>	F1.3–F2.4	<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 256GB to 2TB Card: MicroSD, SDXC
<b>Field of View (after LDC<sup>2</sup>)</b>	Horizontal: 41° – 99° (39° – 95°) Vertical: 30° – 74° (30° – 74°) Diagonal: 50° – 125° (48° – 110°)	<b>CPU</b>	Ambarella CV25S88
<b>Camera Movement</b>	Tilt: 0° to 90° Pan: 360° Rotation: 360°		

### 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 3,000 Kbps (default) Standard quality (SQ): Up to 600 Kbps

### Standard audio settings

<b>Audio</b>	Not supported
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### 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: IEEE 802.3at Type 2 PoE+	<b>Connectivity</b>	RJ-45 cable connector for network/PoE connection; 10/100 Mbps
<b>Power Consumption<sup>4</sup></b>	With IR: 37-57V, 0.38-0.25A, 14W Without IR: 37-57V, 0.09-0.06A, 3.46W Extended temperature range: 37-57V, 0.61-0.37A, 22.57W	<b>RTSP</b>	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 -8.5°C / 16.7°F and assumes IR will be enabled.



# Bullet Series Tech Specs



**CB52-E**

## General

<b>Operating Temperature</b>	-40°C to 50°C / -40°F to 122°F	<b>LED Indicator</b>	System power and status indicator
<b>Humidity</b>	0 to 90%	<b>Warranty</b>	10 Years
<b>Certifications</b>	FCC, ICES, CE, UKCA, RCM, VCCI, BIS, UL/IEC62368-1, IP67 weather rating, IK10 impact rating	<b>Included Accessories</b>	4x M4x8 screws, 4x TP4x30 mount screws, mount plate, junction box adapter, junction box cover, T25 hand tool

## Mechanical

<b>Weight</b>	Camera: 1464g / 51.6oz Mount plate: 33g / 1.16oz	<b>Body</b>	Aluminum
<b>Dimensions</b>	Ø: 85mm / 3.35in L: 254mm / 10in		

## Software capabilities

<b>Alerts</b>	Camera status, motion detection, people detection, vehicle detection, Person of Interest detection, crowd detection, line-crossing detection, loitering detection	<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	<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	<b>License Plate Recognition</b>	License Plate of Interest alerts, license plate indexing



# Bullet Series Tech Specs



CB52-TE

## Camera features

<b>Image Sensor</b>	1/2.8" Progressive CMOS	<b>Shutter Speed</b>	1/30 sec. to 1/10,000 sec.
<b>Sensor Resolution<sup>1</sup></b>	5MP (2688 x 1944)	<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>	8mm-20mm	<b>IR Range</b>	50m / 164ft
<b>Aperture</b>	F1.5-F2.8	<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 256GB to 2TB Card: MicroSD, SDXC
<b>Field of View (after LDC<sup>2</sup>)</b>	Horizontal: 16° - 38° (16° - 37°) Vertical: 12° - 28° (12° - 27°) Diagonal: 19° - 48° (19° - 44°)	<b>CPU</b>	Ambarella CV25S88
<b>Camera Movement</b>	Tilt: 0° to 90° Pan: 360° Rotation: 360°		

## 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 3,000 Kbps (default) Standard quality (SQ): Up to 600 Kbps

## Standard audio settings

<b>Audio</b>	Not supported
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## 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: IEEE 802.3at Type 2 PoE+	<b>Connectivity</b>	RJ-45 cable connector for network/PoE connection; 10/100 Mbps
<b>Power Consumption<sup>4</sup></b>	With IR: 37-57V, 0.38-0.25A, 14W Without IR: 37-57V, 0.09-0.06A, 3.46W Extended temperature range: 37-57V, 0.61-0.37A, 22.57W	<b>RTSP</b>	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 -8.5°C / 16.7°F and assumes IR will be enabled.



# Bullet Series Tech Specs



CB52-TE

## General

<b>Operating Temperature</b>	-40°C to 50°C / -40°F to 122°F	<b>LED Indicator</b>	System power and status indicator
<b>Humidity</b>	0 to 90%	<b>Warranty</b>	10 Years
<b>Certifications</b>	FCC, ICES, CE, UKCA, RCM, VCCI, BIS, UL/IEC62368-1, IP67 weather rating, IK10 impact rating	<b>Included Accessories</b>	4x M4x8 screws, 4x TP4x30 mount screws, mount plate, junction box adapter, junction box cover, T25 hand tool

## Mechanical

<b>Weight</b>	Camera: 1478g / 52.1oz Mount plate: 33g / 1.16oz	<b>Body</b>	Aluminum
<b>Dimensions</b>	Ø: 85mm / 3.35in L: 254mm / 10in		

## Software capabilities

<b>Alerts</b>	Camera status, motion detection, people detection, vehicle detection, Person of Interest detection, crowd detection, line-crossing detection, loitering detection	<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	<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	<b>License Plate Recognition</b>	License Plate of Interest alerts, license plate indexing



# Bullet Series Tech Specs



CB62-E

## Camera features

<b>Image Sensor</b>	1/2.8" 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>	2.8mm-8mm	<b>IR Range</b>	30m / 98ft
<b>Aperture</b>	F1.3-F2.4	<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 2TB Card: MicroSD, SDXC
<b>Field of View (after LDC<sup>2</sup>)</b>	Horizontal: 43° - 107° (41° - 106°) Vertical: 24° - 62° (24° - 62°) Diagonal: 49° - 126° (48° - 119°)	<b>CPU</b>	Ambarella CV22S66
<b>Camera Movement</b>	Tilt: 0° to 90° Pan: 360° Rotation: 360°		

## 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>	Not supported
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## 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: IEEE 802.3at Type 2 PoE+	<b>Connectivity</b>	RJ-45 cable connector for network/PoE connection; 10/100 Mbps
<b>Power Consumption<sup>4</sup></b>	With IR: 37-57V, 0.4-0.26A, 14.88W Without IR: 37-57V, 0.11-0.08A, 4.34W Extended temperature range: 37-57V, 0.64-0.39A, 23.68W	<b>RTSP</b>	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 -8.5°C / 16.7°F and assumes IR will be enabled.



# Bullet Series Tech Specs



CB62-E

## General

<b>Operating Temperature</b>	-40°C to 50°C / -40°F to 122°F	<b>LED Indicator</b>	System power and status indicator
<b>Humidity</b>	0 to 90%	<b>Warranty</b>	10 Years
<b>Certifications</b>	FCC, ICES, CE, UKCA, RCM, VCCI, BIS, UL/IEC62368-1, IP67 weather rating, IK10 impact rating	<b>Included Accessories</b>	4x M4x8 screws, 4x TP4x30 mount screws, mount plate, junction box adapter, junction box cover, T25 hand tool

## Mechanical

<b>Weight</b>	Camera: 1464g / 51.6oz Mount plate: 33g / 1.16oz	<b>Body</b>	Aluminum
<b>Dimensions</b>	Ø: 85mm / 3.35in L: 254mm / 10in		

## Software capabilities

<b>Alerts</b>	Camera status, motion detection, people detection, vehicle detection, Person of Interest detection, crowd detection, line-crossing detection, loitering detection	<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	<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	<b>License Plate Recognition</b>	License Plate of Interest alerts, license plate indexing



## Bullet Series Tech Specs

**CB62-TE**

### Camera features

<b>Image Sensor</b>	1/2.8" 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>	8mm–20mm	<b>IR Range</b>	50m / 164ft
<b>Aperture</b>	F1.5–F2.8	<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 2TB Card: MicroSD, SDXC
<b>Field of View (after LDC<sup>2</sup>)</b>	Horizontal: 17° – 42° (17° – 41°) Vertical: 9° – 23° (9° – 23°) Diagonal: 19° – 48° (19° – 46°)	<b>CPU</b>	Ambarella CV22S66
<b>Camera Movement</b>	Tilt: 0° to 90° Pan: 360° Rotation: 360°		

### 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>	Not supported
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### 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: IEEE 802.3at Type 2 PoE+	<b>Connectivity</b>	RJ-45 cable connector for network/PoE connection; 10/100 Mbps
<b>Power Consumption<sup>4</sup></b>	With IR: 37-57V, 0.4-0.26A, 14.88W Without IR: 37-57V, 0.11-0.08A, 4.34W Extended temperature range: 37-57V, 0.64-0.39A, 23.68W	<b>RTSP</b>	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 -8.5°C / 16.7°F and assumes IR will be enabled.





# Bullet Series Tech Specs



CB62-TE

## General

<b>Operating Temperature</b>	-40°C to 50°C / -40°F to 122°F	<b>LED Indicator</b>	System power and status indicator
<b>Humidity</b>	0 to 90%	<b>Warranty</b>	10 Years
<b>Certifications</b>	FCC, ICES, CE, UKCA, RCM, VCCI, BIS, UL/IEC62368-1, IP67 weather rating, IK10 impact rating	<b>Included Accessories</b>	4x M4x8 screws, 4x TP4x30 mount screws, mount plate, junction box adapter, junction box cover, T25 hand tool

## Mechanical

<b>Weight</b>	Camera: 1478g / 52.1oz Mount plate: 33g / 1.16oz	<b>Body</b>	Aluminum
<b>Dimensions</b>	Ø: 85mm / 3.35in L: 254mm / 10in		

## Software capabilities

<b>Alerts</b>	Camera status, motion detection, people detection, vehicle detection, Person of Interest detection, crowd detection, line-crossing detection, loitering detection	<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	<b>Sharing and Privacy</b>	Live Links, live face blur, privacy regions, audit log
<b>Vehicle Analytics</b>	Vehicle search, attribute search	<b>License Plate Recognition</b>	License Plate of Interest alerts, license plate indexing



## Fisheye camera Tech Specs



CF81-E

### Camera features

<b>Image Sensor</b>	1/2.3" Progressive CMOS	<b>Shutter Speed</b>	1/30 sec. to 1/16,000 sec.
<b>Sensor Resolution<sup>1</sup></b>	12MP (4056 x 3040); active pixels (3008 x 3008)	<b>Day/Night</b>	IR-cut filter for day and night function
<b>Lens Type</b>	Fixed	<b>IR Cut Filter</b>	Yes
<b>Focal Length</b>	1.18mm	<b>IR Range</b>	20m / 66ft
<b>Aperture</b>	F2.18	<b>Minimum Illumination</b>	0.009 lux @ F1.9 (Color) 0 lux with IR Illuminators on
<b>Iris</b>	Fixed	<b>Onboard Storage</b>	Capacity: From 512GB to 2TB Card: MicroSD, SDXC
<b>Field of View (after LDC<sup>2</sup>)</b>	Horizontal: 180° Vertical: 180° Diagonal: 180°	<b>CPU</b>	Ambarella CV22S88
<b>Sensor Movement</b>	N/A		

### 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>WDR Technology</b>	120dB dynamic range, true WDR, dual exposure
<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 / 15ft

### Power and network

<b>Power Input<sup>4</sup></b>	With IR: IEEE 802.3af Type 1 PoE/ IEEE 802.3at Type 2 PoE+ Extended temperature range: IEEE 802.3at Type 2 PoE+	<b>Connectivity</b>	RJ-45 cable connector for network/PoE connection; 10/100 Mbps
<b>Power Consumption<sup>4</sup></b>	With IR: 42.5 - 57V, 0.413-0.31A, 17.59W Without IR: 42.5 - 57V, 0.121-0.09A, 5.16W Extended temperature range: 42.5 - 57V, 0.57A - 0.422A, 24.1W	<b>RTSP</b>	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 -8.5°C / 16.7°F and assumes IR will be enabled.



# Fisheye camera Tech Specs



CF81-E

## General

<b>Operating Temperature</b>	-40°C to 50°C / -40°F to 122°F	<b>LED Indicator</b>	System power and status indicator
<b>Humidity</b>	0 to 90%	<b>Warranty</b>	10 Years
<b>Certifications</b>	FCC, ICES, CE, UL, CB, IK10 impact rating, IP67 weather rating	<b>Included Accessories</b>	Quick installation guide, screw packs, mount plate, mounting template, water-proof connectors, conduit adapter, T10 security driver, cable gland wrench

## Mechanical

<b>Weight</b>	Camera: 1023.42g / 36.1oz Mount plate: 178.59g / 6.30oz	<b>Body</b>	Aluminum, plastic dome trim
<b>Dimensions</b>	Ø: 155mm / 6.10in, H: 71.62mm / 2.82in with mount plate Ø: 155mm / 6.10in, H: 64.42mm / 2.54in without mount plate		

## Software capabilities

<b>Alerts</b>	Camera status, motion detection, people detection, vehicle detection, Person of Interest detection, crowd detection	<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, motion search, trajectory analysis <sup>5</sup>	<b>Sharing and Privacy</b>	Live Links, privacy regions, audit log
<b>Vehicle Analytics</b>	Vehicle search, attribute search, motion search, trajectory analysis <sup>5</sup>		

5. Trajectory analysis is supported in panoramic and ePTZ circle mode.



## Multisensor camera Tech Specs



CH52-E

### Camera features

<b>Image Sensor</b>	4 x 1 / 2.8" Progressive CMOS	<b>Shutter Speed</b>	1 / 5 sec. to 1 / 32,000 sec.
<b>Sensor Resolution<sup>1</sup></b>	4 x 5MP (2688 x 1944)	<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>	3.7-7.7mm	<b>IR Range</b>	30m / 98ft; non-adjustable
<b>Aperture</b>	F1.9 - F2.9	<b>Minimum Illumination</b>	0.009 lux @ F1.9 (color) 0 lux with IR Illuminators on
<b>Iris</b>	N/A	<b>Onboard Storage</b>	Capacity: From 1TB to 8TB Card: MicroSD, SDXC
<b>Field of View (after LDC<sup>2</sup>)</b>	Horizontal: 37°-89° (35°-82°) Vertical: 29°-65° (26°-60°) Diagonal: 46°-99° (43°-92°)	<b>CPU</b>	4 x Ambarella CV25S88
<b>Sensor Movement</b>	Tilt: +0°-105° for each lens from horizon Pan: +/- 90° for each lens Rotation: +/- 90° for each lens		

### 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 / sensor	<b>WDR Technology</b>	120dB dynamic range, true WDR, dual exposure
<b>Live Streaming Settings (Per Head)</b>	High quality (HQ): Up to 3,000 Kbps (default) Standard quality (SQ): Up to 600 Kbps		

### Standard audio settings

<b>Audio</b>	Not supported
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### Power and network

<b>Power Input<sup>4</sup></b>	With IR: IEEE 802.3bt Type 3 PoE++ Without IR: IEEE 802.3at Type 2 PoE+ Extended temperature range: IEEE 802.3bt Type 3 PoE++	<b>Connectivity</b>	RJ-45 cable connector for network/PoE connection; 10/100 Mbps
<b>Power Consumption<sup>4</sup></b>	With IR: 42.5 - 57V, 0.65-0.49A, 27.69W Without IR: 42.5 - 57V, 0.46-0.34A, 19.54W Extended temperature range: 42.5 - 57V, 0.91 - 0.68A, 38.68W	<b>RTSP</b>	RTSP 1.0 RFC 2326 Max concurrent streams: 8 (2 per camera head) 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 -8.5°C / 16.7°F and assumes IR will be enabled.



# Multisensor camera Tech Specs



CH52-E

## General

<b>Operating Temperature</b>	-40°C to 50°C / -40°F to 122°F	<b>LED Indicator</b>	System power and status indicator
<b>Humidity</b>	0 to 90%	<b>Warranty</b>	10 Years
<b>Certifications</b>	FCC, ICES-003, UL/IEC 62368-1, CE, RCM, UKCA, VCCI, BIS, IK10 impact rating, IP66 weather rating	<b>Included Accessories</b>	IR cover, mounting template, 3 mounting screws, 3 wall anchors, 2 desiccants, T10 security screwdriver, offset wrench

## Mechanical

<b>Weight</b>	Camera: 2,900g / 102.3oz Mount plate: 536g / 18.9oz	<b>Body</b>	Aluminum, plastic dome trim
<b>Dimensions</b>	Ø: 275mm / 10.82in, H: 118mm / 4.65in with mount plate Ø: 267mm / 10.51in, H: 114mm / 4.49in without mount plate		

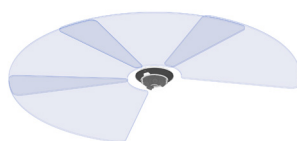
## Dimensions



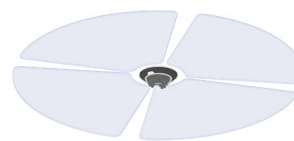
## Software capabilities

<b>Alerts<sup>5</sup></b>	Camera status, motion detection, people detection, vehicle detection, Person of Interest detection, crowd detection, line-crossing detection, loitering detection	<b>Streaming and Storage<sup>5</sup></b>	Cloud backup, configurable retention days, selectable storage location, low bandwidth mode, timelapse, RTSP
<b>People Analytics<sup>5</sup></b>	People search, attribute search, face search, Occupancy Trends, motion search, trajectory analysis	<b>Sharing and Privacy<sup>5</sup></b>	Live Links, live face blur, privacy regions, audit log
<b>Vehicle Analytics<sup>5</sup></b>	Vehicle search, attribute search, motion search, trajectory analysis, Occupancy Trends		

## Coverage examples



270°



328°

5. All the listed features can be enabled independently for each camera head.



## PTZ camera Tech Specs



CP52-E

### Camera features

<b>Image Sensor</b>	1/2.8" Progressive CMOS	<b>Shutter Speed</b>	1/30 sec. to 1/10,000 sec.
<b>Sensor Resolution<sup>1</sup></b>	5MP (2688 x 1944)	<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>	5.2mm – 148.15mm	<b>IR Range</b>	100m / 328ft
<b>Aperture</b>	F1.3 – F4.8	<b>Minimum Illumination</b>	0.04 lux @ F1.4 (Color) 0 lux @ F1.4 with IR Illuminators on
<b>Iris</b>	DC Iris	<b>Onboard Storage</b>	Capacity: From 512GB to 3TB Card: MicroSD, SDXC
<b>Field of View (after LDC<sup>2</sup>)</b>	Horizontal: 55°–2° Vertical: 42°–1.5° Diagonal: 66°–2.5°	<b>CPU</b>	Ambarella CV22S66
<b>Sensor Movement</b>	Tilt: 220° Pan: 360°		

### Standard video settings

<b>Compression</b>	H.265 (historical video only), H.264	<b>Historical Video Settings</b>	Adaptive quality <sup>1</sup>
<b>Frame Rate<sup>3</sup></b>	24fps	<b>WDR Technology</b>	True WDR, dual exposure
<b>Live Streaming Settings<sup>4</sup></b>	Static: 1,000 Kbps (SQ), 3,000 Kbps (HQ) Moving: 2,000 Kbps (SQ), 4,500 Kbps (HQ)		

### Standard audio settings

<b>Audio</b>	Not supported
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### Power and network

<b>Power Input<sup>5</sup></b>	With IR: IEEE 802.3bt Type 3 PoE++ Without IR: IEEE 802.3at Type 2 PoE+ Extended temperature range: IEEE 802.3bt Type 3 PoE++	<b>Connectivity</b>	RJ-45 cable connector for network/PoE connection; 10 / 100 / 1000 Mbps
<b>Power Consumption<sup>5</sup></b>	With IR: 42.5 – 57V, 0.995 – 0.742A, 42.26W Without IR: 42.5 – 57V, 0.547 – 0.408A, 23.26W Extended temperature range: 42.5 – 57V, 1.035 – 0.772A, 44.04W	<b>RTSP</b>	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 -8.5°C / 16.7°F and assumes IR will be enabled.

5. The listed ranges represent the uplink bandwidth based on target bitrates. To learn more, visit Verkada's Knowledge Base and read "[Understanding Variable Bitrates for Verkada PTZ Cameras](#)".



# PTZ camera Tech Specs



CP52-E

## General

<b>Operating Temperature</b>	-40°C to 50°C / -40°F to 122°F	<b>LED Indicator</b>	System power and status indicator
<b>Humidity</b>	0 to 90%	<b>Warranty</b>	5 Years
<b>Certifications</b>	FCC, IC, UL, CB, CE, UKCA, Japan VCCI, AS/NZS (RCM), IK10 impact rating, IP66 weather rating	<b>Included Accessories</b>	Rubber cap, pendant cap, T30 security L-wrench

## Mechanical

<b>Weight</b>	Camera: 7076.04g / 249.6oz Pendant cap: 408.23g / 14.4oz	<b>Body</b>	Aluminum, plastic
<b>Dimensions</b>	Ø: 256mm / 10.1in, H: 406mm / 16.0in with pendant cap Ø: 256mm / 10.1in, H: 336mm / 13.2in without pendant cap		

## Dimensions

256mm / 10.1in



406mm / 16.0in



## Software capabilities

<b>Alerts</b>	Camera status, motion detection, people detection, vehicle detection, Person of Interest detection, crowd detection	<b>Streaming and Storage</b>	Cloud backup, configurable retention days, selectable storage location, low bandwidth mode, timelapse, RTSP, fast archive
<b>People Analytics</b>	People search, attribute search, face search, Sentry Mode, motion search, trajectory analysis	<b>Sharing and Privacy</b>	Live Links, audit log
<b>Vehicle Analytics</b>	Vehicle search, attribute search, motion search, trajectory analysis	<b>Controllers<sup>6</sup></b>	Mouse, keyboard, Xbox Wireless Controller, joystick

## Coverage examples



360° pan



220° tilt

6. To learn more about the supported controllers for the CP52-E, please flip to page 12 of this document.



## Professional video monitoring Stop Crimes in Progress

Verkada's professional video monitoring solution enables organizations to detect and respond to threats as they happen, using only their cameras.



### Meet your virtual guard

Professional video monitoring allows organizations to turn their Verkada cameras into a complete, monitored alarm solution - no extra hardware required. Simply select which cameras should be monitored, set an arm/disarm schedule and choose how monitoring agents should respond to a threat, such as remote talk down or notifying police.

### How it works

#### Detect unusual activity

- Choose which cameras should be monitored and when. An alarm is triggered if a person is detected while the system is armed.
- Other Verkada devices, including intrusion sensors, access control and environmental sensors, can also be configured as alarm triggers.

#### Assess the threat

- Monitoring agents immediately review camera footage to determine if there is a threat to people or property.\*
- Video-verification helps to ensure priority police response and screens out false alarms.

#### Take action

- If there is a legitimate threat, the monitoring agent will immediately notify your call list.
- Agents can also request emergency dispatch or talk down to intruders through an on-site speaker..
- If there is no visible threat, the agent will dismiss the incident.

### Key benefits



#### Detect intruders before they enter your building

Protect your perimeter with cameras that can detect intruders the minute they set foot on your property.



#### No alarm panel or sensors needed

Use cameras as intrusion sensors and get all the benefits of a monitored alarm system without any extra hardware.



#### Cut back on expensive in-person guards

Cameras detect intruders and agents can take action, reducing the need for live guards patrolling or watching cameras.



#### Help get priority police response

Video-verified alarms help the police know that they should respond quickly and helps you avoid false alarm fines.



#### Take action against intruders immediately

In addition to notifying law enforcement, our agents can talk down to intruders through a powerful speaker to scare them off.

\*Professional monitoring with video verification is included in the LIC-BA Standard Alarm License or the LIC-BV Premium Alarm License. One License is required per location, and includes up to 50 monitored cameras. Monitoring is provided by fully redundant, US-based, UL-listed central monitoring stations with Five Diamond Certification from The Monitoring Association. Certified monitoring centers are also available in Canada, the UK and Australia.





# Ordering Information

## Indoor Dome Series pricing<sup>2</sup>

Model Number	MP <sup>1</sup>	WDR	Lens	IR Range	Onboard Storage	Maximum SQ Onboard Retention <sup>1</sup>	People/ Vehicle Analytics	Cost (MSRP) <sup>USD</sup>
CD22-256-HW	3.0MP	✓	Fixed	10m / 33ft	256GB	30 Days	-	\$599
CD22-512-HW	3.0MP	✓	Fixed	10m / 33ft	512GB	60 Days	-	\$999
CD22-768-HW	3.0MP	✓	Fixed	10m / 33ft	768GB	90 Days	-	\$1,399
CD32-256-HW	3.0MP	✓	Fixed	15m / 49ft	256GB	30 Days	✓	\$799
CD32-512-HW	3.0MP	✓	Fixed	15m / 49ft	512GB	60 Days	✓	\$1,199
CD32-768-HW	3.0MP	✓	Fixed	15m / 49ft	768GB	90 Days	✓	\$1,599
CD42-256-HW	5.0MP	✓	Fixed	15m / 49ft	256GB	30 Days	✓	\$999
CD42-512-HW	5.0MP	✓	Fixed	15m / 49ft	512GB	60 Days	✓	\$1,399
CD42-768-HW	5.0MP	✓	Fixed	15m / 49ft	768GB	90 Days	✓	\$1,799
CD42-1TB-HW	5.0MP	✓	Fixed	15m / 49ft	1TB	120 Days	✓	\$2,199
CD42-2TB-HW	5.0MP	✓	Fixed	15m / 49ft	2TB	365 Days	✓	\$3,499
CD52-256-HW	5.0MP	✓	Zoom	30m / 98ft	256GB	30 Days	✓	\$1,199
CD52-512-HW	5.0MP	✓	Zoom	30m / 98ft	512GB	60 Days	✓	\$1,599
CD52-768-HW	5.0MP	✓	Zoom	30m / 98ft	768GB	90 Days	✓	\$1,999
CD52-1TB-HW	5.0MP	✓	Zoom	30m / 98ft	1TB	120 Days	✓	\$2,399
CD52-2TB-HW	5.0MP	✓	Zoom	30m / 98ft	2TB	365 Days	✓	\$3,699
CD62-30-HW	8.0MP	✓	Zoom	30m / 98ft	512GB	30 Days	✓	\$1,499
CD62-60-HW	8.0MP	✓	Zoom	30m / 98ft	1TB	60 Days	✓	\$2,399
CD62-90-HW	8.0MP	✓	Zoom	30m / 98ft	2TB	90 Days	✓	\$3,299

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>

2. The CD42 and CD52 are also available in FIPS-validated models. See <https://docs.verkada.com/docs/video-security-fips-series-overview.pdf> for details.



# Ordering Information

## Outdoor Dome Series pricing<sup>2</sup>

Model Number	MP <sup>1</sup>	WDR	Lens	IR Range	Onboard Storage	Maximum SQ Onboard Retention <sup>1</sup>	People/ Vehicle Analytics	Cost (MSRP) <sup>USD</sup>
CD22-256E-HW	3.0MP	✓	Fixed	10m / 33ft	256GB	30 Days	-	\$799
CD22-512E-HW	3.0MP	✓	Fixed	10m / 33ft	512GB	60 Days	-	\$1,199
CD22-768E-HW	3.0MP	✓	Fixed	10m / 33ft	768GB	90 Days	-	\$1,599
CD32-256E-HW	3.0MP	✓	Fixed	15m / 49ft	256GB	30 Days	✓	\$999
CD32-512E-HW	3.0MP	✓	Fixed	15m / 49ft	512GB	60 Days	✓	\$1,399
CD32-768E-HW	3.0MP	✓	Fixed	15m / 49ft	768GB	90 Days	✓	\$1,799
CD42-256E-HW	5.0MP	✓	Fixed	15m / 49ft	256GB	30 Days	✓	\$1,199
CD42-512E-HW	5.0MP	✓	Fixed	15m / 49ft	512GB	60 Days	✓	\$1,599
CD42-768E-HW	5.0MP	✓	Fixed	15m / 49ft	768GB	90 Days	✓	\$1,999
CD42-1TBE-HW	5.0MP	✓	Fixed	15m / 49ft	1TB	120 Days	✓	\$2,399
CD42-2TBE-HW	5.0MP	✓	Fixed	15m / 49ft	2TB	365 Days	✓	\$3,699
CD52-256E-HW	5.0MP	✓	Zoom	30m / 98ft	256GB	30 Days	✓	\$1,399
CD52-512E-HW	5.0MP	✓	Zoom	30m / 98ft	512GB	60 Days	✓	\$1,799
CD52-768E-HW	5.0MP	✓	Zoom	30m / 98ft	768GB	90 Days	✓	\$2,199
CD52-1TBE-HW	5.0MP	✓	Zoom	30m / 98ft	1TB	120 Days	✓	\$2,599
CD52-2TBE-HW	5.0MP	✓	Zoom	30m / 98ft	2TB	365 Days	✓	\$3,899
CD62-30E-HW	8.0MP	✓	Zoom	30m / 98ft	512GB	30 Days	✓	\$1,699
CD62-60E-HW	8.0MP	✓	Zoom	30m / 98ft	1TB	60 Days	✓	\$2,599
CD62-90E-HW	8.0MP	✓	Zoom	30m / 98ft	2TB	90 Days	✓	\$3,499

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>

2. The CD42-E and CD52-E are also available in FIPS-validated models. See <https://docs.verkada.com/docs/video-security-fips-series-overview.pdf> for details.



# Ordering Information

## Bullet Series 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) <sup>USD</sup>
CB52-256E-HW	5.0MP	✓	Zoom	30m / 98ft	256GB	30 Days	✓	\$1,399
CB52-512E-HW	5.0MP	✓	Zoom	30m / 98ft	512GB	60 Days	✓	\$1,799
CB52-768E-HW	5.0MP	✓	Zoom	30m / 98ft	768GB	90 Days	✓	\$2,199
CB52-2TBE-HW	5.0MP	✓	Zoom	30m / 98ft	2TB	365 Days	✓	\$3,899
CB52-256TE-HW	5.0MP	✓	Zoom	50m / 164ft	256GB	30 Days	✓	\$1,499
CB52-512TE-HW	5.0MP	✓	Zoom	50m / 164ft	512GB	60 Days	✓	\$1,899
CB52-768TE-HW	5.0MP	✓	Zoom	50m / 164ft	768GB	90 Days	✓	\$2,299
CB52-2TBTE-HW	5.0MP	✓	Zoom	50m / 164ft	2TB	365 Days	✓	\$3,999
CB62-512E-HW	8.0MP	✓	Zoom	30m / 98ft	512GB	30 Days	✓	\$1,799
CB62-1TBE-HW	8.0MP	✓	Zoom	30m / 98ft	1TB	60 Days	✓	\$2,599
CB62-2TBE-HW	8.0MP	✓	Zoom	30m / 98ft	2TB	90 Days	✓	\$3,899
CB62-512TE-HW	8.0MP	✓	Zoom	50m / 164ft	512GB	30 Days	✓	\$1,899
CB62-1TBTE-HW	8.0MP	✓	Zoom	50m / 164ft	1TB	60 Days	✓	\$2,699
CB62-2TBTE-HW	8.0MP	✓	Zoom	50m / 164ft	2TB	90 Days	✓	\$3,999

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

## Mini Series 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) <sup>USD</sup>
CM22-256-HW	3.0MP	✓	Fixed	10m / 33ft	256GB	30 Days	-	\$499
CM22-512-HW	3.0MP	✓	Fixed	10m / 33ft	512GB	60 Days	-	\$899
CM22-768-HW	3.0MP	✓	Fixed	10m / 33ft	768GB	90 Days	-	\$1,299
CM42-256-HW	5.0MP	✓	Fixed	20m / 66ft	256GB	30 Days	✓	\$699
CM42-512-HW	5.0MP	✓	Fixed	20m / 66ft	512GB	60 Days	✓	\$1,099
CM42-768-HW	5.0MP	✓	Fixed	20m / 66ft	768GB	90 Days	✓	\$1,499
CM42-1TB-HW	5.0MP	✓	Fixed	20m / 66ft	1TB	120 Days	✓	\$1,899
CM42-2TB-HW	5.0MP	✓	Fixed	20m / 66ft	2TB	365 Days	✓	\$3,199
CM41-30S-HW	5.0MP	✓	Fixed	-	128GB	30 Days	✓	\$999
CM41-90S-HW	5.0MP	✓	Fixed	-	384GB	90 Days	✓	\$1,799
CM41-30E-HW	5.0MP	✓	Fixed	15m / 49ft	128GB	30 Days	✓	\$999
CM41-60E-HW	5.0MP	✓	Fixed	15m / 49ft	256GB	60 Days	✓	\$1,399
CM41-90E-HW	5.0MP	✓	Fixed	15m / 49ft	512GB	90 Days	✓	\$1,799
CM41-365E-HW	5.0MP	✓	Fixed	15m / 49ft	2TB	365 Days	✓	\$3,199

## Fisheye camera pricing

CF81-30E-HW	12MP	✓	Fixed	20m / 66ft	512GB	30 Days	✓	\$1,999
CF81-60E-HW	12MP	✓	Fixed	20m / 66ft	1TB	60 Days	✓	\$2,699
CF81-90E-HW	12MP	✓	Fixed	20m / 66ft	2TB	90 Days	✓	\$3,399

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

## Multisensor camera 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) <sup>USD</sup>
CH52-1TBE-HW	20MP	✓	Zoom	30m / 98ft	1TB	30 Days	✓	\$3,599
CH52-2TBE-HW	20MP	✓	Zoom	30m / 98ft	2TB	60 Days	✓	\$4,899
CH52-4TBE-HW	20MP	✓	Zoom	30m / 98ft	4TB	120 Days	✓	\$7,499
CH52-8TBE-HW	20MP	✓	Zoom	30m / 98ft	8TB	365 Days	✓	\$12,699

## PTZ camera pricing

CP52-512E-HW	5.0MP	✓	Zoom	100m / 328ft	512GB	30 Days	✓	\$3,699
CP52-1TBE-HW	5.0MP	✓	Zoom	100m / 328ft	1TB	60 Days	✓	\$4,499
CP52-1P5TBE-HW	5.0MP	✓	Zoom	100m / 328ft	1.5TB	90 Days	✓	\$5,299
CP52-3TBE-HW	5.0MP	✓	Zoom	100m / 328ft	3TB	180 Days	✓	\$6,899

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<sup>2</sup>

Model Number	Description	Cost (MSRP) USD
LIC-CAM-1Y	1-Year Camera License	\$199
LIC-CAM-3Y	3-Year Camera License	\$549
LIC-CAM-5Y	5-Year Camera License	\$899
LIC-CAM-10Y	10-Year Camera License	\$1,799
LIC-CH52-1Y	1-Year CH52-E Multisensor Camera License	\$599
LIC-CH52-3Y	3-Year CH52-E Multisensor Camera License	\$1,649
LIC-CH52-5Y	5-Year CH52-E Multisensor Camera License	\$2,699
LIC-CH52-10Y	10-Year CH52-E Multisensor Camera License	\$5,399

### Extended Cloud Storage pricing

LIC-CLD-60-1Y	1 Year Cloud Storage License – 60 Day	\$199
LIC-CLD-90-1Y	1 Year Cloud Storage License – 90 Day	\$299
LIC-CLD-120-1Y	1 Year Cloud Storage License – 120 Day	\$399
LIC-CLD-180-1Y	1 Year Cloud Storage License – 180 Day	\$599
LIC-CLD-365-1Y	1 Year Cloud Storage License – 365 Day	\$1,199

### Viewing Station pricing

VX52-HW	VX52 Viewing Station	\$499
LIC-VX-1Y	1-Year Viewing Station License	\$499
LIC-VX-3Y	3-Year Viewing Station License	\$1,299
LIC-VX-5Y	5-Year Viewing Station License	\$1,999
LIC-VX-10Y	10-Year Viewing Station License	\$3,999

2. The CH52-E requires a separate license from other Verkada Cameras.



# Ordering Information

## Camera Accessories pricing

Model Number	Description	Cost (MSRP) USD
ACC-MNT-2	Arm Mount	\$89
ACC-MNT-3	Wall Mounted L-Shaped Bracket Kit	\$129
ACC-MNT-MPEND-1	Mini Camera Pendant Cap Mount	\$79
ACC-MNT-MJBOX-1	Mini Camera Junction Box Mount	\$79
ACC-MNT-7	Angle Mount Kit	\$149
ACC-MNT-8	Pendant Cap Mount	\$69
ACC-MNT-9	Pole Mount	\$209
ACC-MNT-10	Corner Mount	\$199
ACC-MNT-POLE-1	Pole Mount	\$209
ACC-MNT-CORNER-1	Corner Mount	\$199
ACC-MNT-SJBOX-1	Square Junction Box Mount	\$89
ACC-MNT-XLARM-1	Large Arm Mount	\$159
ACC-CAM-SHIELD-1	Camera Weather Shield	\$79
ACC-MNT-REC-1	Recessed Ceiling Mount	\$149
ACC-MNT-CLIP-1	Tile Clip Mount	\$99
INJ-POE-PLUS	PoE Plus (802.3at) Injector, GigE	\$129
ACC-POE-60W	PoE++ (802.3bt) injector, GigE	\$149