



Verkada Bullet Series Powerful Video Security Camera User Guide

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Bullet Series

Powerful video security built for the toughest environments

Overview

Verkada's Bullet Series delivers enterprise-grade security with leading edge-based processing and onboard storage in a new, bold form factor. Built to withstand the toughest environments, the Bullet Series features a sealed aluminum housing, ensuring cameras stay protected with IK10 vandal resistance and IP67 waterproof rating.

With powerful long-range IR sensors, image resolutions up to 4K, and lens options for wide-angle or telephoto, Verkada bullet cameras deliver stunning video quality day or night, even in the most challenging indoor and outdoor environments.

All cameras in the Bullet Series are part of Verkada's line of hybrid cloud cameras and work out-of-the-box without any additional downloads or configurations. With standard features like end-to-end encryption, onboard storage, and advanced motion-based insights, organizations are able to quickly scale their coverage and increase situational awareness across any number of locations.

The Bullet Series' powerful processing delivers advanced computer vision features including Verkada's edge-based People and Vehicle Analytics. Bringing speed and efficiency to investigations, the footage is processed directly on the camera, meaning results are nearly instant and always accessible.

Industry-Leading 10-Year Product Warranty

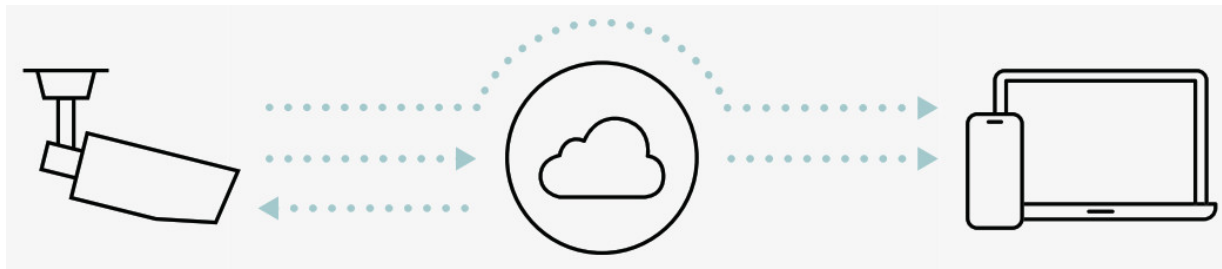
All Verkada hardware purchases are backed by our 10-year limited warranty. For more information, visit verkada.com/support/terms-of-sale.

Key Features

- Available in wide-angle and telephoto lens options
- Long-range IR illuminators for optimal nighttime visibility
- Highly durable with an IK10 rating
- High-resolution image quality up to ultra-HD 4K
- Edge-based processing for motion, People, and Vehicle Analytics
- Up to 365 days of onboard storage

- Low-bandwidth impact, only using 20-50 kbps per camera at rest
- Waterproof IP67-rated aluminum housing with a hermetically sealed lens assembly

Verkada's Hybrid Cloud Architecture



No NVR or DVRs

Industrial-grade solid-state storage saves up to 365 days of continuous video

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 on-camera solid-state storage, with the accessibility of the cloud

Simple to Install

- NoNVRs, 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 seamless access anywhere
- No training required to access footage and features
- Find, download, and share footage from any device

Advantages of Cloud-Managed Solution

- Secure remote access on any device anywhere
- 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
- People counting and heatmaps to visualize your space

Ready For Scale

- Bandwidth-friendly, using 5-20 Kops per camera
- Scale to thousands of cameras across all locations
- No added equipment needed to support additional cameras

No Hidden Costs

- Hardware includes an industry-leading 10-year warranty
- Automatic firmware updates keep systems secure
- New features and enhancements are added at no additional costs

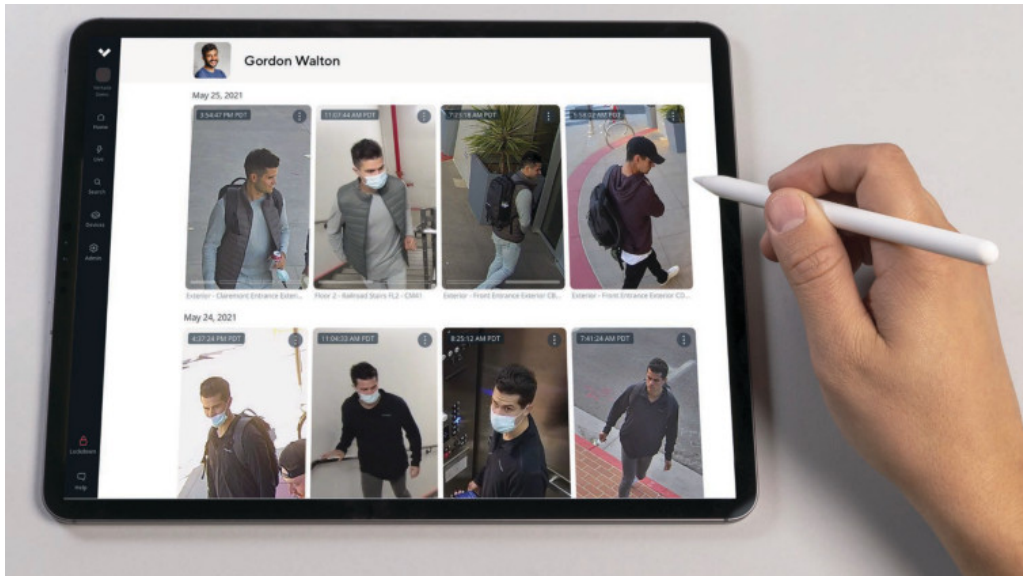


Command Platform Overview

All-in-one cloud-based management software for Verkada security cameras

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. With Verkada's centralized management platform, customers can filter people by various attributes, including date, time, appearance, clothing color, backpack detection, and facial matches.

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 in frame
- Save snapshots or easily access associated full-res video

Investigate Anywhere

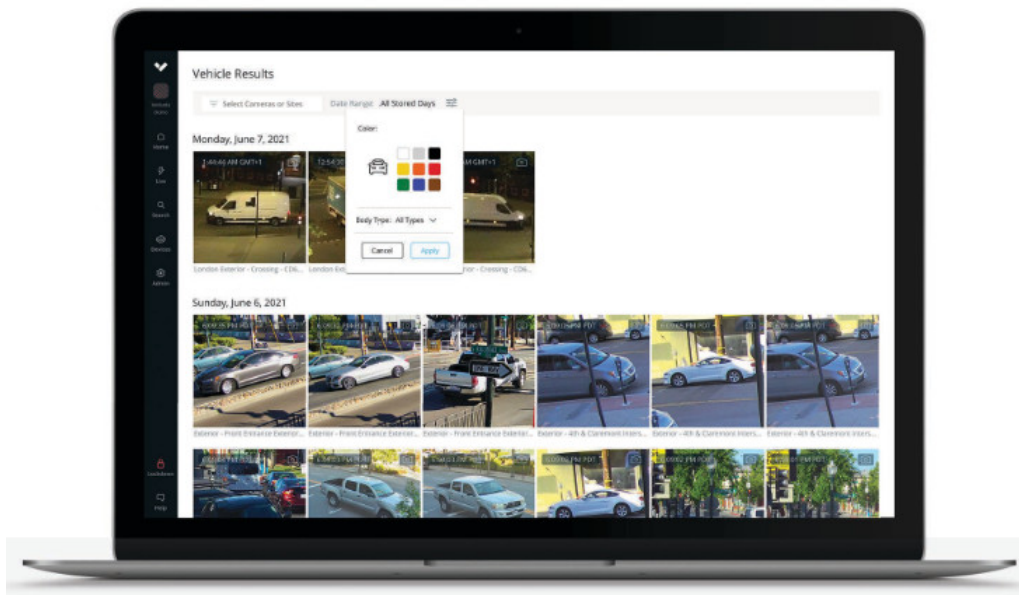
- People Analytics is available from any device and can be accessed from virtually anywhere in the world

Attribute Filters

- Filter based on a range of attributes, including clothing color, gender appearance, and facial matches. Cross-Camera Tracking
- Easily find potential suspects or people of interest across all cameras deployed across all sites
- Create and export playback of multiple angles of a person to quickly provide evidence

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 the scene. With Verkada's centralized management platform, customers can filter vehicles by date, time, vehicle make, 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 device and can be accessed from virtually anywhere in the world

Cross-Camera Tracking

- 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, make, and body type

Verkada's Bullet Series Hardware

Tough, durable form factors delivering powerful security anywhere.



Built Tough

- IK10-rated CNC aluminum housing for unmatched precision and durability
- Waterproof IP67-rated hermetically sealed lens assembly

High-Capacity Storage

- Enterprise-grade solid-state drives provide up to 365 days of continuous recording
- Wide range of storage options to ensure your organization meets all compliance requirements

Uncompromised Image Quality

- High image resolution up to ultra-HD 4K
- Upto 3x optical zoom
- Long-range IR sensors for enhanced nighttime viewing
- Built-in shield to protect lens from obstruction

Lens Options

- The Bullet Series comes in a wide angle and telephoto models

Comparison: Wide Angle & Telephoto

Understand the lens options of Verkada's Bullet Series

	Wide Angle	Telephoto
Focal Length	2.8mm-8mm	8mm-20mm
Image at No Zoom		
	2.8mm-8mm	8mm-20mm
Image at Full Zoom		
	CB61-E at 8mm	CB61-TE at 20mm

Bullet Series Tech Specs



Image Resolution	5MP (2688 x 1944)	4K (3840 x 2160)	5MP (2688 x 1944)	4K (3840 x 2160)
Lens Type		Optical Zoom		
Image Sensor		1/2.8" Progressive CMOS		
Focal Length	F=2.8mm- 8mm		F=8mm-20mm	
Iris		P-Iris		
Aperture		F1.3-F2.4		F1.5-F2.8
Field of View	Horizontal: 41°-95° Vertical: 40°-59° Diagonal: 50°-90°	Horizontal: 42°-95° Vertical: 25°-48° Diagonal: 49°-90°	Horizontal: 15-38.9° Vertical: 127-29.2° Diagonal: 18°-46°	Horizontal: 17-41.8° Vertical: 10°-23.8° Diagonal: 21°-52°
IR Range		30m /98ft in low light		50m / 164ft in low light
Resistance Rating		IK10, IP67		
Dimensions		0: 81 L: 263mm with mountplate		
Operating Specs		Power 12W (IEEE 802.3af PoE), 20W (IEEE 802.3at PoE) Temperature: -20°C – 50°C (14°F -122°F), 802.3af / -40°C – 50°C (-40°F -122°F), 802.3at Humidity-. 90%		
Connectivity		10/100Mb RJ-45 Cable Connector for Network/PoE Connection		

Professional Monitoring Overview

Incidents are unpredictable. Ensure your sites are protected 24/7 with our professional monitoring service. Monitoring is provided by three fully redundant, U.S.-based, UL-listed central stations with Five Diamond Certification from The Monitoring Association.

Assess the Situation

- With built-in video verification, agents can assess possible threats and screen out false alarms.
- If video verification is enabled, users will not be contacted unless incidents are confirmed as real alarms by an agent.

Make Contact

- When an alarm is raised, agents immediately call and send SMS messages to the predetermined contact list.
- If an agent is unable to reach any contacts, they can contact local emergency services to respond.

Take Action

- Once a threat is confirmed, agents will dispatch local first responders to the site address.
- All events can be reviewed, archived and accessed from Command for incident investigation.



Alarm License

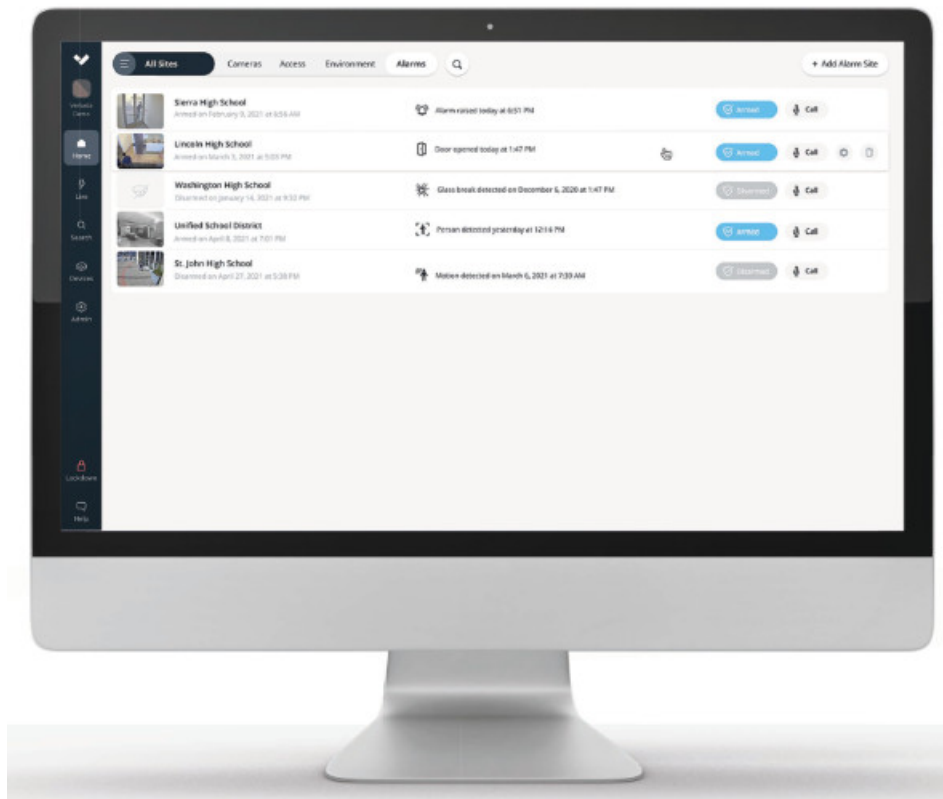
The Alarm License includes access to the cloud-managed Verkada Alarms platform and integrated professional monitoring. One Alarm License is required for each unique site address, with up to 32 monitored devices covered per license. Any Verkada cameras, doors, environmental sensors, and panel inputs that have been configured as alarm triggers will count as devices towards the 32 device limit.

An Alarm License is required for the BP41 Alarm Panel and BC51 Alarm Console.

‘ Monitoring is provided by Verkada’s independent monitoring center partners.

Alarms Platform Overview

Seamlessly manage sites, configure alarm triggers, and customize alarm responses.



Alarms is powered by Verkada's Command Platform, This cloud-based management solution delivers secure remote access with an intuitive interface for ease-of-use.

Site Management

- See overview of current status and recent events from all sites.
- Schedule arming/disarming and configure keycodes for onsite management.
- Instantly view incidents and play back event footage with integrated Verkada video surveillance.
- Control access to your Alarm sites with role-based permissions.

Device Management

- Configure wired sensors and outputs on your Alarm Panel from Command with just a few clicks.
- Create alarm triggers based on events from any Verkada device.
- Manage fleet of devices from single dashboard.

Professional Monitoring Configuration

- Enable video verification of alarms by trained security professionals.
- Enable dispatch of emergency services.
- Configure "an ordered list" of contacts for monitoring agents to call and text when an alarm is raised.

Alarm Console Talk-Down

- From Command, initiate two-way video calls down to Alarm Consoles at any of your sites, from anywhere in the world.
- Make calls to Alarm Console to address staff, guests, or potential intruders.

Bullet Series Ordering Information

Product Name	MP	WDR	Lens	Grade	IR	Onboard Retention	People/ Vehicle Analytics	Cost (MSRP)
CB51-30E-HW	5.0	√	Zoom	Outdoor	15m	30 Days	√	\$1,399
CB51-60E-HW	5.0	√	Zoom	Outdoor	15m	60 Days	√	\$1,799
CB51-90E-HW	5.0	√	Zoom	Outdoor	15m	90 Days	√	\$2,199
CB51-365E-HW	5.0	√	Zoom	Outdoor	15m	365 Days	√	\$3,599
CB61-30E-HW	8.0	√	Zoom	Outdoor	15m	30 Days	√	\$1,799
CB61-60E-HW	8.0	√	Zoom	Outdoor	15m	60 Days	√	\$2,699
CB61-90E-HW	8.0	√	Zoom	Outdoor	30m	90 Days	√	\$3,599
CB51-30TE-HW	5.0	√	Zoom	Outdoor	30m	30 Days	√	\$1,499
CB51-60TE-HW	5.0	√	Zoom	Outdoor	30m	60 Days	√	\$1,899
CB51-90TE-HW	5.0	√	Zoom	Outdoor	30m	90 Days	√	\$2,299
CB51-365TE-HW	5.0	√	Zoom	Outdoor	30m	365 Days	√	\$3,699
CB61-30TE-HW	8.0	√	Zoom	Outdoor	30m	30 Days	√	\$1,899
CB61-60TE-HW	8.0	√	Zoom	Outdoor	30m	60 Days	√	\$2,799
CB61-90TE-HW	8.0	√	Zoom	Outdoor	30m	90 Days	√	\$3,699

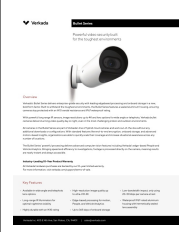
Ordering Information

Cloud License Pricing

Product Name	Description	Cost (MSRP)
LIC-1Y	1Year Camera License	\$199
LIC-3Y	3 Year Camera License	\$499
LIC-5Y	5 Year Camera License	\$799
LIC-10Y	10 Year Camera License	\$1,599
Viewing Station Pricing		
VXxX51	Viewing station	\$1,999
LIC-VX-1Y	1Year 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
Alarm License Pricing		
LIC-BA-1Y	1Year Alarm License	\$1,499
LIC-BA-3Y	3 Year Alarm License	\$3,999
LIC-BA-5Y	5 Year Alarm License	\$5,999
LIC-BA-10Y	10 Year Alarm License	\$11,999

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Documents / Resources

	<p>Verkada Bullet Series Powerful Video Security Camera [pdf] User Guide Bullet Series, Powerful Video Security Camera</p>
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