

Immersive Coverage in 360°
with digital pan-tilt-zoom



Overview

Verkada's Fisheye Series delivers dynamic viewing experiences by leveraging advanced onboard processing and a wide-angle 12MP image sensor. Users can choose between three viewing modes: 180° panoramic, four-way split and pan-tilt-zoom.

The CF81-E features a rugged, vandal-resistant design, simple installation, and an Ambarella chipset to unlock edge-based analytics for advanced people and vehicle insights.

With these insights, users can quickly filter people detected based on a variety of attributes, including clothing color, gender appearance, and facial matches as well as vehicles by type and color. The footage is all processed directly on the camera, meaning results are nearly instant and always accessible.

All Verkada cameras include standard features like end-to-end encryption, onboard storage, and advanced motion-based insights so organizations are able to quickly scale their coverage and increase situational awareness across any number of locations.

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

- 12MP Image Sensor
- 30-90 Days Built-in Storage
- IK10 and IP67 Rated
- Ambarella Chipset
- NDAA Compliant
- Three View Modes:
 - Panoramic
 - Four-Way Split
 - Pan-Tilt-Zoom
- People Analytics
- Vehicle Analytics
- Onboard Microphone



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

- 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 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 Kbps per camera in steady mode
- Scale to thousands of cameras across all locations
- No added equipment needed to support additional cameras

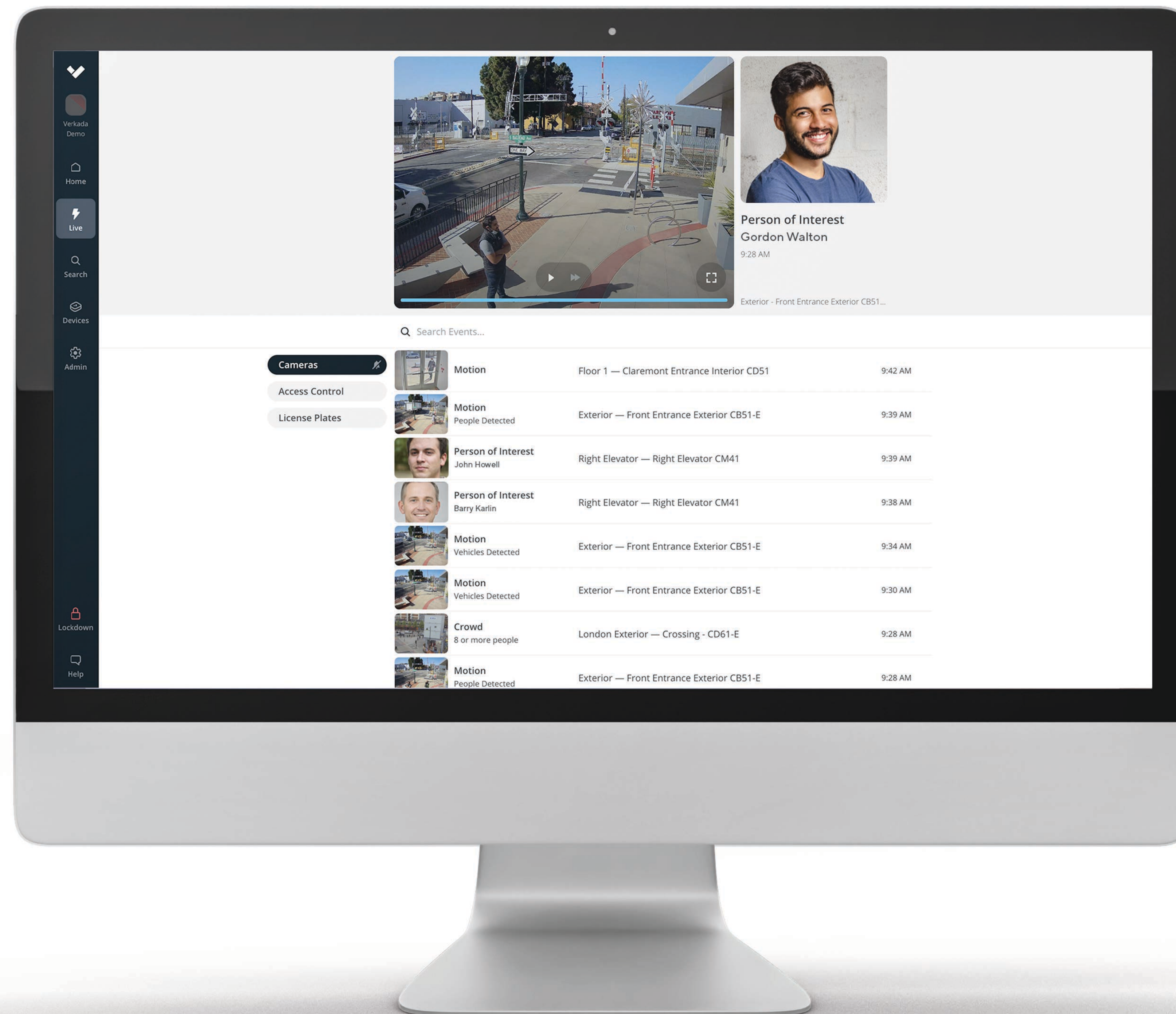
No Hidden Costs

- 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



Command, Verkada's cloud-based management platform, is designed to deliver simple access and management for all cameras and users across every site 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.

Remote Access

- Access from nearly any device (desktops, smartphones, tablets)
- Native apps for iOS and Android, Apple TV, and Verkada's VX52 Viewing Station

User Permissions & Account Security

- SAML/OAuth support for single sign-on
- 2-factor authentication options
- User permissions can be controlled at camera, site and organization levels

Powerful Edge-Based Analytics

- Search footage by date, time, and motion
- Access People and Vehicle Analytics to simplify investigations

Archiving and Sharing

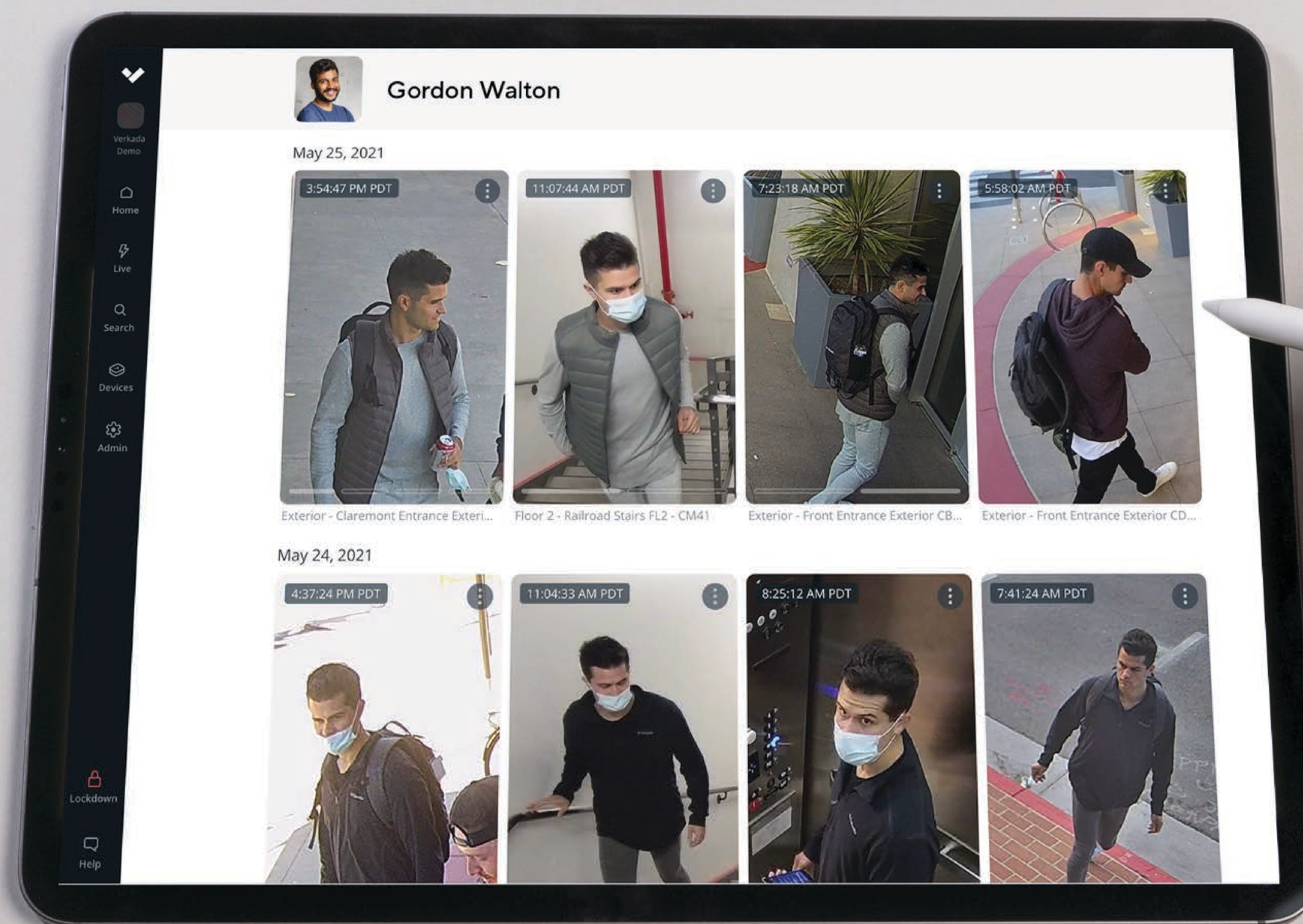
- Command licenses include unlimited cloud archiving
- Easily export any footage in a shareable MP4 format
- Create and share Live Links with first responders

Key Features

- View and manage video from any device (desktop, smartphone, tablet)
- No 3rd party plugins, thick clients, or downloads required
- Encryption in transit and at rest
- No port-forwarding or VPNs
- Detailed user access and audit logs
- Live Link sharing
- Unlimited cloud archiving with footage exports in MP4 format
- Alerts for offline cameras, tampering, and motion detection

Verkada's People Analytics

Simplify and speed up investigations with intelligent people and face detection



Available across Verkada's Mini Series, 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, gender 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
- 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.

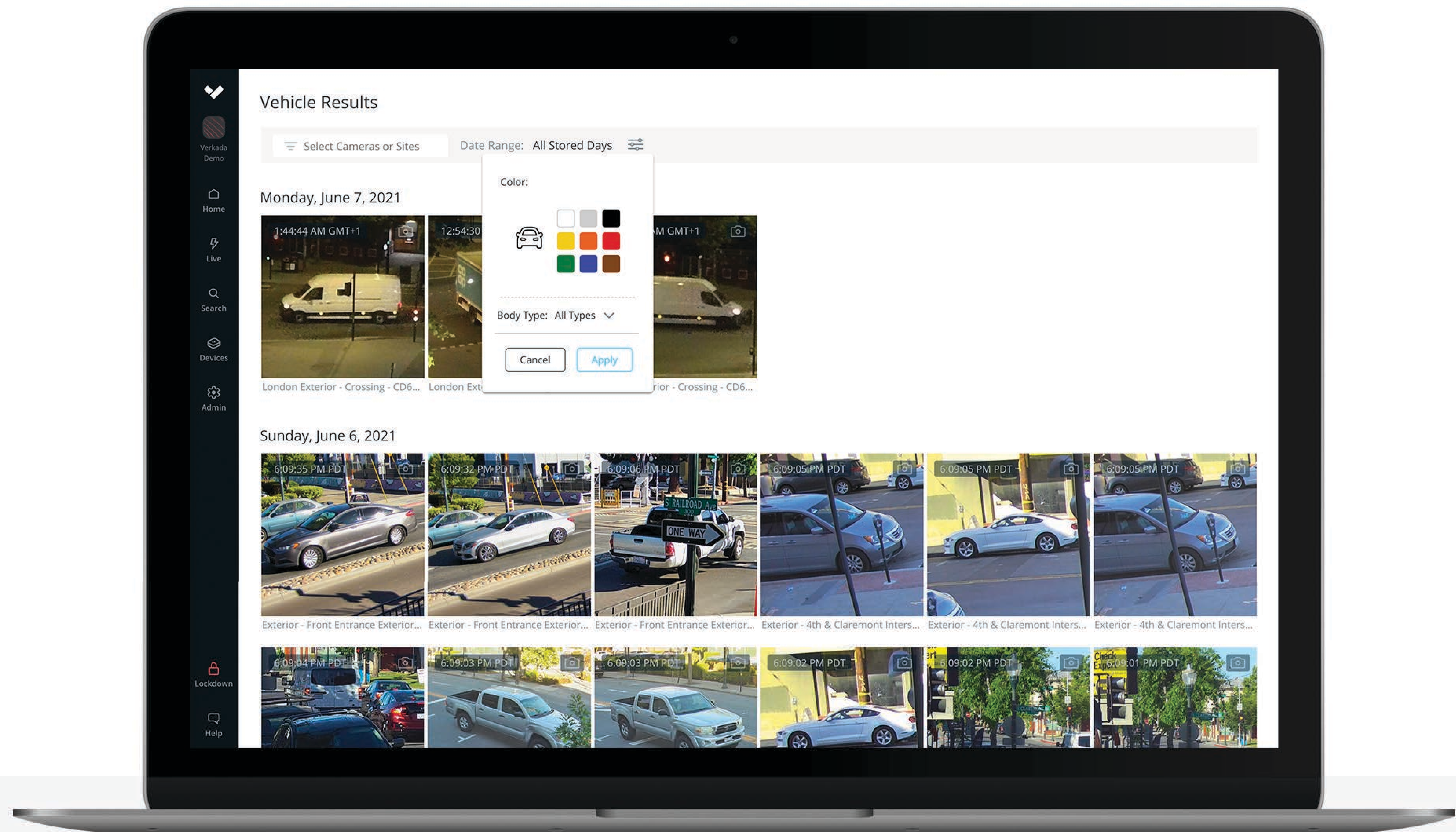
Person of Interest Notifications

- Set up proactive SMS/email notifications for alerting when a matching face is detected by a camera
- Create a person of interest by using an uploaded image or an existing face from your organization



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 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, and body type



Fisheye Series

Tech Specs

**CF81-E****Image Resolution**

12MP (4056x3040)

Lens Type

Fixed Zoom

Image Sensor

1/2.3" Progressive CMOS

Focal Length

f=1.18mm

Iris

Fixed

Aperture

F2.18

Four-Way Split

AoV: 180°

Pan/Tilt/Zoom

AoV: 180°

PanoramicHorizontal FoV: 175°
Vertical FoV: 78°**IR Range**

20m / 65ft in low light

Resistance Rating

FCC, CE - EN55035, IK10, IP67

DimensionsWith Mount Plate - Ø: 155mm x 71.62mm / 6.1in x 2.82in
Without Mount Plate - Ø: 155mm x 64.42mm / 6.1in x 2.54in

Professional Monitoring Overview¹

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

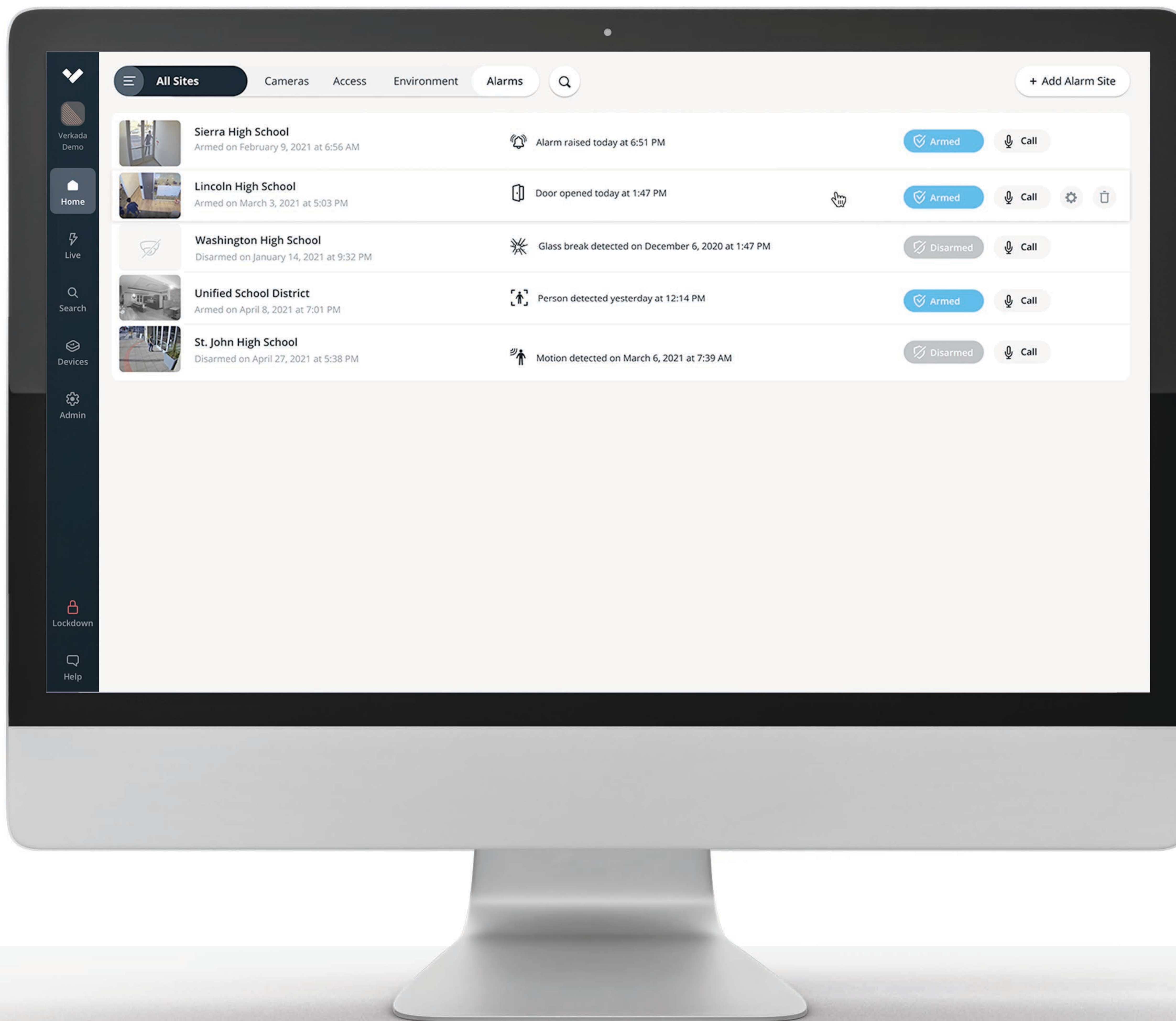
The Alarm License includes access to the cloud-managed Verkada Alarms platform and integrated professional monitoring. One Alarm License is required for each unique site address, with up to 32 monitored devices covered per license. Any Verkada cameras, doors, environmental sensors, and panel inputs that 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.

¹ 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.

Ordering Information

Fisheye Series Pricing

Product Name	MP	WDR	Lens	Grade	IR	Onboard Retention	People/ Vehicle Analytics	Price (MSRP)
CF81-30E-HW	12MP	✓	Fixed	Outdoor	20m	30 Days	✓	\$1,999
CF81-60E-HW	12MP	✓	Fixed	Outdoor	20m	60 Days	✓	\$2,699
CF81-90E-HW	12MP	✓	Fixed	Outdoor	20m	90 Days	✓	\$3,399

Cloud License Pricing

Product Name	Description	Price (MSRP)
LIC-1Y	1 Year 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

Accessories Pricing

ACC-MNT-2	Mounting arm kit for pendant cap (ACC-MNT-8)	\$89
ACC-MNT-3	Wall mounted L-shaped bracket kit	\$129
ACC-MNT-7	Angle mount kit	\$149
ACC-MNT-8	Pendant cap mount kit	\$69
ACC-MNT-9	Verkada Pole Mount, 2nd Generation	\$209
INJ-POE-PLUS	Verkada PoE Plus (802.3at) Injector, GigE	\$129

Ordering Information

Viewing Station Pricing

Product Name	Description	Price (MSRP)
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

Alarm License Pricing

LIC-BA-1Y	1 Year 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