



# **Solution Overview and Cloud Security Detail**

## Executive & Program Leadership



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## About Our Integrated Solution

In terms of our selected software and hardware partner, Verkada is the largest cloud-based B2B physical security platform company in the world. Only Verkada offers seven product lines — video security cameras, access control, environmental sensors, alarms, workplace, intercoms, and cellular gateways — integrated with a single cloud-based software platform. Designed with simplicity and scalability in mind, we give organizations real-time insights to know what could impact the safety and comfort of their human and physical assets. Founded in 2016 with more than \$450M+ in funding raised to date, Verkada has expanded rapidly with 16 offices across three continents, 1,900+ full-time employees and 20,000+ customers across 70+ countries, including 140+ companies in the Fortune 500. Verkada's hybrid cloud solution brings together our leading camera hardware technology with our intelligent and easy-to-use software. The result is a complete surveillance system that is easily accessible, 24/7, on both desktop and mobile devices.

## Partial List of New Customers



**Shriners  
Children's**  
Love to the rescue®



## Industry-Centric Overviews

- Manufacturing: [Manufacturing Overview](#)
- Retail: [Retail Overview](#)
- Financial Services: [Financial Services & Banking Overview](#)
- Healthcare: [Healthcare Overview](#)
- Education / K-12: [K-12 Overview](#)
- Government: [Public Sector Overview](#)

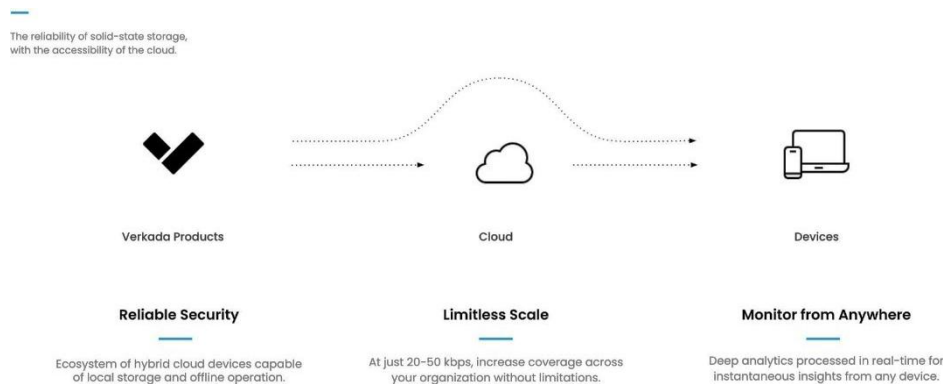
## Information Security & Compliance

- **Compliance:** Verkada applies industry standard security to protect their data. Certificates are available upon request and include but are not limited to:
  - SOC 2 Type 2
  - ISO 27001: international standards in information security, cybersecurity and privacy protection
  - ISO 27017: information security controls for cloud services
  - ISO 27018: protection of personally identifiable information (PII) in public clouds
  - FedRamp Ready Rating
- **Hardware Security:** By working with trusted vendors to manufacture devices, we're able to prioritize security from the start and protect all hardware and systems that store data. Hardware engineers partner with security teams to consider physical and electronic security at design time.
- **Network Security:** Network security is one of the most critical components for any cloud-connected infrastructure. That's why we encrypt data as it's transmitted over the network using TLS v1.2 and encrypted with AES, and implement many design choices including network segmentation and access restrictions. Similarly, our cameras are cloud managed devices, transmitting video data over encrypted channels to cloud backup, browsers, mobile devices, and viewing stations.
- **Cloud Security:** At Verkada, we protect your most sensitive data during transit and at rest in the cloud. We own the data pipeline end-to-end, so potential assailants have fewer means of entry. Once your data reaches the cloud, it gains from industry-leading data security practices like automatic backup and AES encryption. Everything is hosted on Amazon's AWS servers, and benefits from AWS's data security and reliability.
- **Upgrades:** As a part of your license, we will also deliver periodic over-the-internet upgrades, empowering you with the latest firmware advancements at no additional cost. This is why 20,000+ organizations trust Verkada to simplify their security operations and protect their people and assets.

### Key Bluebird Installation and Support-related Differentiators:

- **Free Bluebird Support** for all organizations purchasing Verkada hardware through us
- **Speed to Review:** 1-3 day turnaround for site visits upon request
- **More Accurate & Rapid Estimates:** 1 day turnaround on completed site maps and post-walk estimates
- **Install Warranty:** Industry leading installation warranty including cabling & mounting
- **Discounts on New Innovations:** New products such as Command Connector (transitions other manufacturers & models)
- **Knowledge Transfer & Training:** Free install bootcamp (customers who leverage their own install groups)
- **Discounts for Weapon Detection:** Discounted access to AI-enabled, Homeland Security backed, technology from ZeroEyes
- **Leveraged Buying:** Future access to select buying programs and contractual vehicles for deeper savings

### About Verkada's Hybrid Cloud



Our system is simple. A hybrid cloud architecture means no more NVRs, DVR, port-forwarding or complicated VPN configurations. Setting up already-installed Verkada Cameras, Access Control, Air Quality Sensors, Alarms, Workplace and Intercom in Command can be done in under 10 minutes, and the ease of use of our platform means most users can operate Command with minimal or no training. Verkada's open APIs also support integration with a range of other tools and platforms, making the transition to our platform as fluid as possible.

Our system is easy to scale. Licenses come with unlimited users, and Command makes it simple to add users and devices, all while fitting within a small bandwidth footprint (20-50 kbps per camera). Our hybrid cloud architecture means our systems are fully modular, making it as easy to add one camera to your system as it is to add 1,000. Our licenses allow for an unlimited number of users and role-based access controls (RBAC). This makes the platform a perfect fit for managing large teams across multiple sites.

Our system is secure by design. We know that earning our customers' trust is instrumental to support our mission. To earn that trust, we are transparent in how we collect and process data. Our systems fully encrypt video data on the device, in transit and in the cloud. We use the latest security standards, and regularly release automatic software and

firmware updates to ensure your system is always up-to-date. Our security monitoring, bug bounty programs, and regular penetration testing enhance the security of the infrastructure so you can feel confident that your system is secure.

Our system is continuously getting better and smarter. Verkada utilizes next-gen, edge-based analytics technology that users can access at no additional cost. Our cameras are equipped with a suite of advanced capabilities including:

- [AI Search](#) to search for people and vehicles using freeform text directly into the search bar to conduct investigations
- [People Analytics](#) to easily find people by selecting a detected face or filtering by attribute
- [Vehicle Analytics](#) to quickly search and filter for vehicles of interest
- [Motion Search](#) to find activity in a specific location faster and more efficiently
- [Occupancy Trends](#) to estimate foot traffic at key locations and optimize business operations
- [License Plate Recognition](#) to capture and create a log of plate characters, even at high speeds
- [Line Crossing and Loitering](#) to be alerted if a person has been loitering in a given area for an extended period of time, and/or to be alerted if a person has crossed a given line
- [Motion Search with Trajectories](#) to trace trajectories of people and vehicles with specific identifiable features for faster incident resolution
- [Floor Plans with Heat Maps](#) to show live and historical views of where activity is taking place

As a part of your license, we will also deliver periodic over-the-internet upgrades, empowering you with the latest firmware advancements at no additional cost. This is why 20,000+ organizations trust Verkada to simplify their security operations and protect their people and assets

## About Serverless Architecture

The Verkada solution-set runs on a serverless architecture, meaning there is no need for a server or any sort of upgrades to the existing hardware and operating system. The cameras only need a POE and an internet connection to function. There are a few key benefits to the serverless architecture outlined below:

- Reliability - Without a need to connect to a server, even during network outages the cameras will be recording to their local drives so no footage is lost.
- Scalability - There is no need for considerations around servers or central storage expansion when adding new cameras, as they all function independently.
- Remote Access - With the cloud backend that comes with hybrid infrastructure, there is no need for VPNs or opening inbound firewall ports to enable remote access. With our hybrid infrastructure, remote access is set up automatically with the use of outbound ports, encrypted network traffic, and our secure AWS backend.
- Eliminates the need for costly NVRs, and the associated ongoing maintenance fees: NVR replacement costs, hard-drive replacement costs, annual servicing
- Avoids costly camera/server/VMS configurations associated with on-prem and bridged-cloud installations
- No hidden costs - automatic firmware updates are built into our software licenses and keep your solution up-to-date

## Product Details

### Cameras

Verkada's hybrid cloud security cameras combine powerful edge-based processing with the scalability of cloud computing. With our hybrid cloud architecture, Verkada Cameras store and process footage on the device itself, leveraging our industry-leading computer vision technology. With features like motion detection, People Analytics and Vehicle Analytics, teams can find the footage they need in seconds.

By eliminating the need for local servers, firewall equipment, and other on-premise software installation, we've enabled remote video monitoring and site management from anywhere. With no NVRs, we eliminate the risk of and cost associated with a single point of failure. All cameras have built-in onboard storage, including extended storage options up to 365 days of continuous recording in standard quality.

Verkada cameras can self-manage, process and safely store footage locally on each device, while cloud-based archiving allows organizations to save and share footage clips for longer, as needed.

Available in a wide range of form factors, including indoor and outdoor models, Verkada Cameras work out-of-the-box without any additional downloads or configurations. Users can access events and associated footage from virtually anywhere on any device. Most importantly, without needing to open port forwards or set up VPNs, all Verkada video footage and other sensitive data are automatically protected with data encryption in transit and at rest.

### **Simple to install**

No NVRs, DVRs or on-prem servers to manage. 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.

### **Ready for scale**

Bandwidth-friendly, operating at just 20-50 kbps per camera. Scale to thousands of cameras per location, with no added equipment needed to support additional cameras.

### **No hidden costs**

Hardware includes up to a 10-year industry-leading warranty. Stay ahead of emerging security threats and keep up-to-date with the latest features. Leave ongoing maintenance in the past with automatic firmware updates.

### **Access Control**

Our Access Control solution combines simplified, enterprise-grade access control hardware with an integrated, cloud-based management platform for a solution that's simple to use, secure and ready for scale.

The lineup of access controllers, badge readers, wireless lock integrations and user credentials are engineered with Verkada's hybrid cloud architecture. This architecture allows Verkada Access Control to offer device uptime and processing speeds comparable to local systems while eradicating the complexity of on-premise systems like servers and databases.

All access control data, configurations, and security reviews are managed from Verkada Command, an enterprise-grade platform that we've designed to be as usable as any consumer-facing web or mobile application. With Verkada, features like door events, access schedules, and access users and groups, make managing an access control system easy. And with capabilities like Lockdown, access reporting and access event alerts available out of the box, teams can configure the exact access capabilities their organization needs.

### **Simplified enterprise access control hardware**

All-in-one hardware units replace complex configurations and disparate on-premise systems. Each Verkada product is thoughtfully designed to streamline installation, testing and maintenance.

On-device compute, storage and backup battery power also work in tandem to provide reliable door functionality, regardless of internet or power connectivity.

### **Effortless and secure end user access**

Verkada makes it easy to provide a seamless user experience and the right level of security for each use case. Users can unlock doors with their mobile phones with the Verkada Pass app, can effortlessly unlock parking lot gates using their vehicle's license plate with LPR unlock, can unlock doors in one tap from anywhere with remote unlock, or can use a custom designed badge.

### **Cloud and local integrations**

Verkada Access Control allows you to integrate the physical systems controlling your building with the cloud tools powering your organization. Verkada Access Control offers one-tap software integrations with our SCIM and access control user and event APIs, as well as hardware integrations with Schlage and ASSA ABLOY wireless locks, fire alarm systems and third party auxiliary devices.



## Alarms

Verkada Alarms is a modern intrusion system with built-in professional monitoring that helps you detect, verify, and respond to threats as they happen.

Verkada Alarms lets you use any Verkada device - including cameras, intrusion sensors, access control, and environmental sensors - to detect intruders on your property before they can do damage.

Professional monitoring comes included with Verkada Alarms, giving you a team of trained agents that can screen out false alarms and help you get priority police response.

Monitoring agents can also respond to threats for you, including calling the police or talking down to an intruder to scare them off. You can also configure automated alarm responses, like turning on a siren or triggering a door lockdown.

Verkada Alarms is built on the cloud-managed Command platform, making it easy for organizations to set up, view and manage alarm events, devices, users, and settings via a single dashboard.

Detect intruders before they enter your building

Protect your perimeter with cameras that can detect an intruder the minute they come into view, before they can do damage.

Build the alarm system you need

Detect intruders using just cameras, or add wireless intrusion sensors for extra coverage. Verkada can also integrate with your existing 3rd party wired sensors.

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, or turn on additional deterrence devices.

Increase safety with customizable panic buttons

Let staff immediately and discretely call for help in an emergency with wireless panic buttons that can notify police or on-site security, or automatically lock doors.

## Intercom

Verkada's Intercom solution allows organizations to enhance entrance security and answer calls from anywhere with sharp video, clear audio, four smart receiver methods, and intuitive management and security tools in Verkada Command.

In addition to video intercom capabilities, the Verkada TD52 video intercom also functions as a security camera, recording all camera footage continuously for 30 days. Like all Verkada cameras, the TD52 deploys powerful AI tools like motion search and People Analytics at the edge, giving organizations robust video intercom and video security capabilities from an unparalleled vantage point.

### Maximum functionality, minimal complexity

The TD52 is a single device that functions as a video intercom, security camera and door controller. The TD52 empowers organizations to make intercom calls with clear audio and sharp video, and protect entrances with access control and video security camera functionality.

### Easy to use

Verkada Intercom provides effortless admin and management with Verkada Command. In Command, users can manage secure and simple call receiving anywhere and find, download and share footage from both desktop and mobile devices. No training is required to receive calls or safely access footage and features.

### Powerful security applications

Intelligent security applications, like Person of Interest detection and People Analytics, provide context on intercom calls for enhanced call security. Edge-compute capabilities help reduce bandwidth consumption and powerful search capabilities allow admins to identify relevant footage in seconds.

### Cloud-managed solution

Verkada Intercom is a cloud-based solution, meaning calls can route to any phone, nearly anywhere. Cloud-based routing and configurable schedules provide unmatched flexibility.

### Ready for scale

With Verkada, organizations can quickly scale to hundreds of intercoms per location without needing to add equipment to support additional functionality. Intercoms are bandwidth-friendly and are ready to deploy in almost any setting.

## Cellular Gateways

Verkada's newly launched indoor and outdoor cellular gateways make it simple to deploy Verkada products anywhere with power and cell signal. We understand that many customers have places where they would like to deploy Verkada, like parking lots, construction sites, or streetlight poles, but are constrained by infeasible or cost-prohibitive cable runs. Furthermore, cellular deployments are cumbersome as customers have to piece together multiple components from different providers.

The GC31 makes cellular deployments truly plug-and-play. Feed it any power input and it will send both power and data to any Verkada device via PoE. Like all Verkada products, the GC31 is cloud-managed and natively integrates with other devices in our ecosystem. See how customers are using cellular gateway with the below examples:

### Parking lots

The GC31 allows customers to easily install Verkada cameras in parking lots without expensive underground cable runs.

### Gates and guard houses

Security gates and guard houses are often hard to wire due to their distance from the main building. A single GC31 can connect both a Verkada camera and access controller, enabling use cases like LPR unlock.

### Parks and fields

With the GC31, cities and schools can secure their parks and fields by installing Verkada cameras on a light pole using nothing but the power from the lamp itself.

### Construction and new sites

The GC31 allows cameras to be installed at construction sites for theft deterrence and worker safety. The gateway can also provide temporary connectivity for Verkada devices at newly completed sites before the internet service provider is able to activate the connection.

### City-wide LPR monitoring

With the GC31, municipalities easily deploy cameras on streetlight poles for license plate recognition.

### Remote locations

The GC31 allows customers to secure remote locations like national parks, ski resorts, and oil rigs.

## **Command & Analytics**

### **Command Platform**

Command, Verkada's cloud-based management platform, 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. 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 hours of video manually.

### **Manage from anywhere**

Remotely access footage and manage sites from any browser or device. Receive alerts for offline cameras, tampering and motion detection. Command includes native apps for iOS, Android and Verkada's VX52 Viewing Station.

### **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 third-party plugins, thick clients or downloads.

### **Quickly detect and respond to threats**

Stay informed with customizable, intelligent alerts. Speed up investigations with People and Vehicle Analytics, and find vehicles of interest with License Plate Recognition.

### **Easily archive and share**

Command licenses include unlimited cloud archiving and 30 days of cloud backup. Easily export any footage in a shareable MP4 format, and share live links and floor plans with first responders.

### **Stay secure from the ground up**

Data is 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 ahead of emerging threats.

## **People Analytics**

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

## **Face Search**

Quickly search for matching people by selecting an existing face from your organization or by uploading a photo. Create profiles and mark Persons of Interest (POI) to receive proactive notifications.

## **Occupancy Trends**

Estimate how many people or vehicles cross a customizable digital line on a video feed. By doing so, you can monitor usage of a space to optimize business operations.

## **Person History**

Browse through high-resolution snapshots of people detected, and easily access the associated high-resolution video. Find matching people across your entire organization with cross-camera search.

## **Attribute Filters**

Filter your search based on a range of attributes, including clothing color, appearance and facial matches.

## Vehicle Analytics

Vehicle Analytics is a powerful edge-based feature that extracts high-quality images of all vehicles detected in a scene. With Vehicle Analytics, customers can filter vehicles by date, time, color and body type.

## Vehicle History

Filter historical clips for vehicles and search for specific vehicles by time, date, body type, color and license plate. Save snapshots or easily access the associated full-resolution video.

## Cross-Camera Tracking

Easily find vehicles of Interest on all cameras deployed across all sites. Create and export playback of multiple angles of a vehicle to quickly provide evidence.

## Attribute Filters

Filter your vehicle search based on a range of attributes, including vehicle color and body type.

## License Plate Recognition

Verkada's License Plate Recognition (LPR) solution 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 linked to live or recorded video for added context.

## 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.

## Strengthen video security with our LPR cameras

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

## 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 partially 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.

### **Integration Capabilities**

Our team is proud to announce its newest integrations with Meter, ZeroEyes, Fūsus, HiveWatch, SingleWire Software, and Sureview. <https://www.verkada.com/integrations/partners/>

### **Automate your building security**

Connect to existing systems and automate your security operations using Verkada's [APIs](#), webhooks, and RTSP streams. The Verkada API allows you to programmatically interact with the Command platform and Verkada devices. This enables you to extract data, automate tasks and integrate with other products in a secure and scalable way.

### **Integrate Verkada alerts into third-party systems**

Improve the usability of any third-party alerting system by pulling in Verkada alerts using our API. Reduce response time for operators by centralizing alerts into a single system.

### **Display Verkada camera thumbnails on your website**

Add camera thumbnails into a webpage or third-party application, and display the current condition of a storefront, park, outdoor attraction, construction site or factory floor.

### Visualize data in custom dashboards

Visualize your data in third-party data visualization or business intelligence tools with the Verkada API. Periodically ingest Verkada data and overlay it with data from other sources.



### Support and Training

#### Training Center

Verkada provides up-to-date instructions for all facets of the platform on the [help site](#). Reference the [Getting Started Guides](#) with helpful resources, or visit the [Training Center](#) for bite-sized video tutorials on how to accomplish role-based tasks in Command. You can find:

- [Training Videos](#): Watch free training videos on both User and Admin essentials
- [eBooks](#): Read eBooks to discover the latest in security trends and strategies
- [Documents](#): Use our Document hub for install guides, product spec documents and whitepapers
- [Demo](#): Watch our demo to experience Verkada's scalable, integrated and easy to use hybrid cloud solution

#### Technical Support

Part of the reason customers choose Verkada is because of our top-notch 24/7 technical support team. Contact us via live chat, email, or phone any time you have an issue - even weekends and holidays. Initial responses are typically given within minutes, and our phone line typically has no hold time.

- [Live Chat](#): Log into Command to chat directly with Support.
- Email: [support@verkada.com](mailto:support@verkada.com)
- Phone:
  - North America: +1 (650) 514-2500
  - Europe: +44 (0)20 3048 6050



Our team also provides Advanced RMA. If Support identifies a hardware failure covered by Verkada's warranty, we will issue an RMA and ship you a replacement.

Organization Administrators and Site Administrators can also allow Verkada Support to securely access their account and investigate issues by enabling a [support access token](#).

## Platform Security

As security threats evolve and adapt, so too must organizations' response to them. That's why Verkada releases automatic updates to its firmware and software and conducts regular security assessments. In our drive for customer expansion and qualified new logos, customers can be assured Verkada applies industry standard security to protect their data. Certificates are available [here](#).

- SOC 2 Type 2
- ISO 27001: international standards in information security, cybersecurity and privacy protection
- ISO 27017: information security controls for cloud services
- ISO 27018: protection of personally identifiable information (PII) in public clouds

## Hardware Security

By working with trusted vendors to manufacture devices, we're able to prioritize security from the start and protect all hardware and systems that store data. Hardware engineers partner with security teams to consider physical and electronic security at design time.

## Network Security

Network security is one of the most critical components for any cloud-connected infrastructure. That's why we encrypt data as it's transmitted over the network using TLS v1.2 and encrypted with AES, and implement many design choices including network segmentation and access restrictions. Similarly, our cameras are cloud managed devices, transmitting video data over encrypted channels to cloud backup, browsers, mobile devices, and viewing stations.

## Cloud Security

At Verkada, we protect your most sensitive data during transit and at rest in the cloud. We own the data pipeline end-to-end, so potential assailants have fewer means of entry. Once your data reaches the cloud, it gains from industry-leading data security practices like automatic backup and AES encryption. Everything is hosted on Amazon's AWS servers, and benefits from AWS's data security and reliability.

Regular security testing of the cloud infrastructure provides rapid feedback about configuration quality. In the event that your internet access is lost, camera feeds can still be viewed via the local network.

### **Authentication**

Verkada has developed integrations with several trusted Single Sign-On (SSO) providers in industry, including Okta, Onelogin, Google Business Apps and Azure Active Directory. If you prefer to use Multi Factor Authentication, we offer that too.

### **Access Controls, Privacy, and Compliance**

Verkada Command equips you with tools including Audit Logs and individual user permissions. These empower admins to grant and revoke access to specific users, adjust access configurations, and identify what they saw or changed. For more information about security, privacy, and compliance, please reference our [trust hub](#).

### **System Health & Updates**

#### **Autonomous updates**

Verkada releases regular updates to its firmware. These updates enhance security and functionality, and they are included at no additional cost as part of your cloud license.

#### **Scheduling firmware updates**

Firmware is pushed automatically, no action is required to receive firmware updates. We take extra care to provide failsafe firmware updates and minimize service interruptions. Your camera will typically go offline for a few moments, only when the software update process is being finalized. These updates typically occur during our regularly scheduled maintenance windows, so service interruptions are minimal.

#### **Automatic failover**

To provide failsafe updates, each Verkada device is equipped with a dual-partition firmware bank. In the unusual event that a firmware update fails, the device will automatically revert back to the previous version of the firmware, and try the update at a later time.

## What's Included

Included with the purchase of each System, you get up to a 10-year product warranty, unlimited users, cloud archive for video clips, automatic firmware and software updates and 24/7 technical support.

- 10-year product warranty: We stand by our products and are pleased to offer a 10-year product warranty on all Verkada hardware (with the exception of 5-years for our PTZ camera and CM22s).
- Unlimited users: Verkada Commands allows you to add unlimited users with different roles. Set access rights for users or groups, or integrate with identity platforms (such as Azure Active Directory) to assign permissions by role.
- Cloud archive: Verkada uses Amazon AWS for cloud servers and Backblaze for the storage of cloud backups. Both AWS and Backblaze are data center operators that meet high industry standards for data security, disaster recovery, and privacy.

## Automatic firmware and software updates

Verkada releases regular updates to its firmware. These updates enhance security and functionality, and they are included at no additional cost as part of your cloud license.

## 24/7 technical support

Connect with teams that can help. Verkada has trained engineers based in San Mateo, London, and Sydney, whose response times via chat are typically less than 1 minute.

## Total Cost of Ownership (TCO)

Verkada delivers a best-in-class video security solution with a long-term cost of ownership that is typically substantially lower than the average traditional on-premise model and bridged-cloud alternatives. Our hybrid cloud architecture provides the following medium and long-term cost advantages:

- Eliminates the need for costly NVRs, and the associated ongoing maintenance fees: NVR replacement costs, hard-drive replacement costs, annual servicing
- Eliminates the need for a cloud-connector box and the associated ongoing maintenance fees
- Verkada's product warranty cuts down on costs associated with ongoing camera maintenance and replacing broken cameras
- Avoids costly camera/server/VMS configurations associated with on-prem and bridged-cloud installations
- No hidden costs - automatic firmware updates are built into our software licenses and keep your solution up-to-date