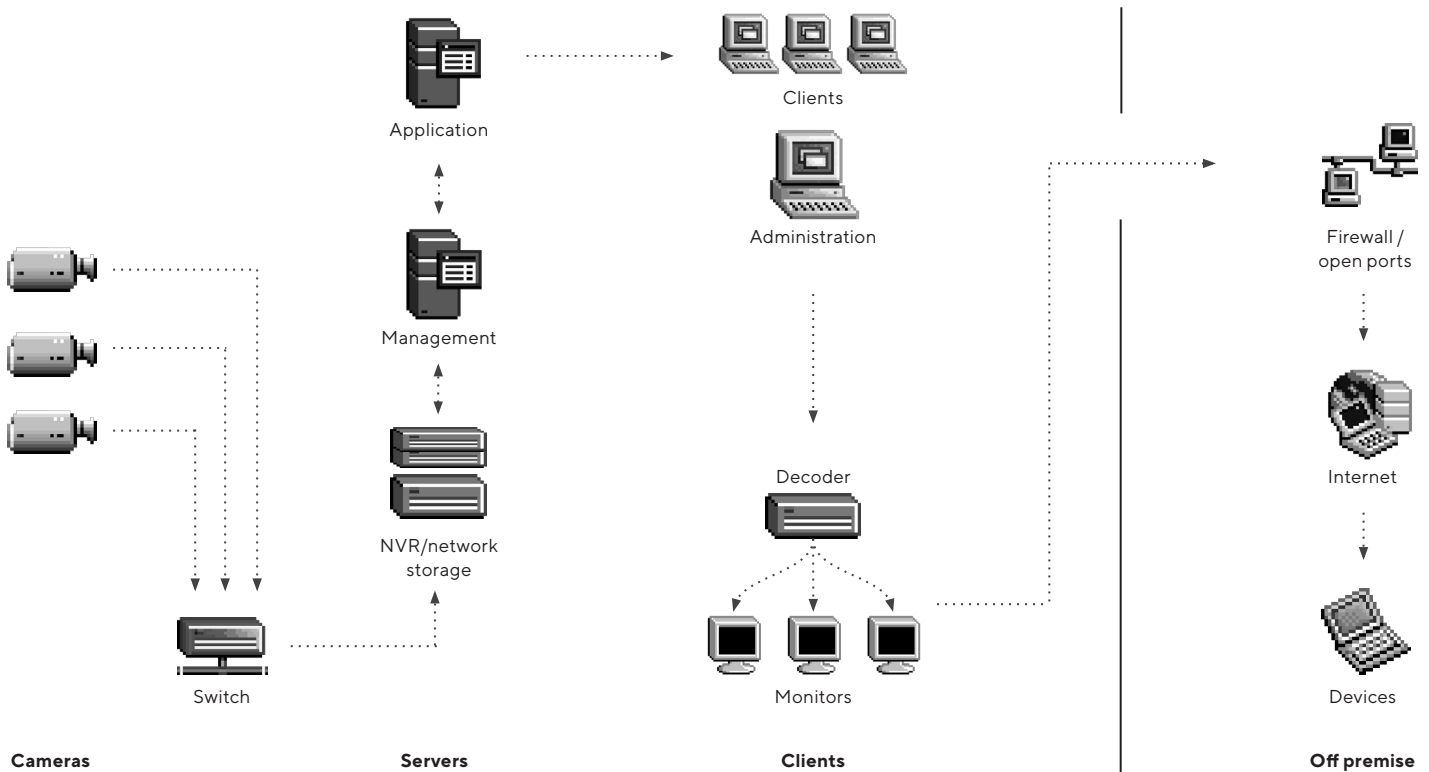


Traditional Camera System Infrastructure vs. Hybrid Cloud Architecture

Traditional camera system infrastructure



Common challenges: scaling, security, remote access and reliability

Infrastructure limitations

- NVRs/DVRs only support a limited number of cameras
- Inconsistent and uncertain retention periods
- Recorder is a single point of failure for all cameras

Out-of-date & unsecure

- Upgrading firmware and software is manual and costly
- Complex configurations that lead to vulnerabilities
- Consistently behind on new features and patches

Difficult to access

- Finding footage is unintuitive and time-consuming
- On-prem access is required for exporting footage
- Shared footage comes in varied, complex formats

Costly to manage

- Short product warranties which lead to costly repairs
- Reliance on specialized IT or long partner contracts
- Scaling security results in new infrastructure costs



Verkada's hybrid cloud architecture



No NVR or DVRs

Industrial-grade onboard storage saves up to 365 days of continuous video¹

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 an industry-leading 10-year warranty
- 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://www.verkada.com/blog/recording-in-adaptive-quality/>