VERKADA
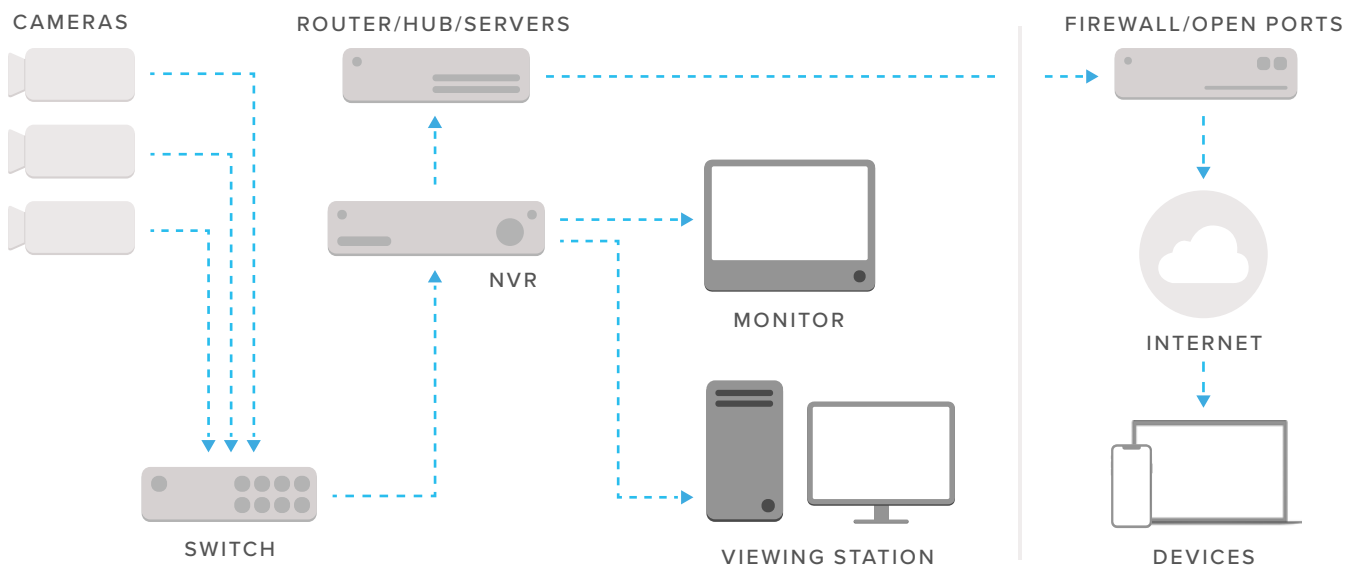
Traditional Surveillance System Infrastructure vs. Hybrid Cloud Architecture

Traditional Surveillance System Infrastructure

CAMERAS

ROUTER/HUB/SERVERS

FIREWALL/OPEN PORTS

NVR

MONITOR

INTERNET

SWITCH

VIEWING STATION

DEVICES

Common Challenges in Scaling, Reliability and Security

STORAGE 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

DIFFICULT TO ACCESS

- Finding footage is completely manual and timely
- On-prem access is required for exporting footage
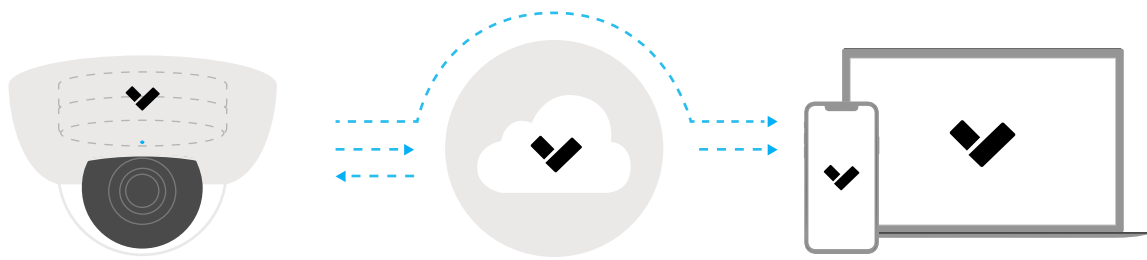- Shared footage comes in varied, complex formats

OUT-OF-DATE & UNSECURE

- Firmware updates are timely, costly, and manual
- Complex configurations that lead to vulnerabilities
- Consistently behind on new features and patches

ONGOING COSTS & MAINTENANCE

- Short product warranties which lead to costly repairs
- Unpredictable costs for breakdowns and repairs
- Scaling security results in new infrastructure costs

Verkada Hybrid Cloud Architecture

NO NVRs 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

Reliability of Solid-State Storage with Cloud Accessibility

SIMPLE TO INSTALL
- No NVRs, DVRs, or servers—just a PoE connection
- Cameras come online and are configured in minutes
- No added software or complexities like port forwards

EASY TO USE
- Centralized management for access anywhere
- No training required to access footage and features
- Find, download, and share footage from any device

BUILT FOR SCALE
- Bandwidth-friendly, using 20-50 Kbps per camera
- Scale to thousands of cameras across all locations
- No added equipment to support additional cameras

NO ADDED COSTS
- Hardware includes industry-leading 10-year warranty
- Automatic firmware updates keep systems secure
- No added costs for new features and enhancements

ADVANTAGES OF VERKADA'S CLOUD–MANAGED SOLUTION
- Secure remote access on any device anywhere
- See health and receive alerts if cameras fall offline
- Visualize your space with people counting & heatmaps
- Find individuals based on attributes and face matching
- Instantly share live footage via SMS and email
- Live, proactive alerting based on unusual activity
- Integrates with active directory solutions
- Continuous updates with new AI features