Deploy Hybrid Cloud Cameras on Transportation and Vehicle Fleets

Transportation authorities and fleet managers rely on video surveillance to help prevent crime, reduce liability and respond to incidents onboard buses, trains and other mobile deployments. Traditional mobile surveillance solutions require NVRs or DVRs, which are bulky and often a single point of failure. Verkada's hybrid cloud video security solution provides reliable performance on limited bandwidth making it the perfect solution for coverage in remote and poorly connected areas.

Easy to setup and scale across fleets

Vehicle installation is simple and does not require NVRs/DVRs. Unlike traditional video security solutions, Verkada's hybrid cloud approach is designed to work in any environment, even in areas unable to support typical networking infrastructure. Cameras are brought online via a single Power of Ethernet (PoE) cable, which can further connect to 3G/LTE/5G cellular modems and can be powered by using any existing infrastructure, batteries, or other forms of energy such as solar power.

Monitor live situations, from anywhere

Oversee all deployments from a centralized cloud–based platform, easily accessible through any web browse or mobile device. In a steady state, Verkada cameras only consume 20-50 Kbps of data per camera. This data includes metadata, image thumbnails and insights that allows users to quickly find and share footage. With activity–based indexing and advanced search filters, quickly isolate the footage without having to spend hours scrubbing through footage. Once identified, securely share footage via SMS or link directly from Verkada's user–friendly interface.

Reduce liability and respond to onboard incidents

Even in mobile deployments, Verkada's solution is capable of providing the same powerful insights and features that are always accessible from anywhere with any device. Monitor transportation fleets from a centralized platform to quickly surface incidents involving specific people or vehicles. In addition to unlimited cloud archiving, Verkada cameras store up to 365 days of footage locally, so recordings are always available for review and incident resolution.

Automatic updates and cloud backup

Minimize ongoing maintenance often associated with updating systems and retrieving footage. Firmware updates are automatically applied to cameras during off hours, ensuring that you'll never miss out when we roll out new features or critical security updates. To protect your data against physical threats and provide an alternative for accessing footage, we offer the option to enable automatic backup of local storage to the cloud.

Why Customers Choose the CM41–E for Mobile Deployments

Ready for all forms of transit

The CM41–E is engineered to meet the stringent requirements of implementing video security on railways, buses and other forms of transportation.

Suited for a Wide Range of Weather and Transit Conditions

Each camera carries an IP6K9K resistance rating to ensure the casing is protected from high–pressure water often associated with cleaning the interior of transit vehicles.

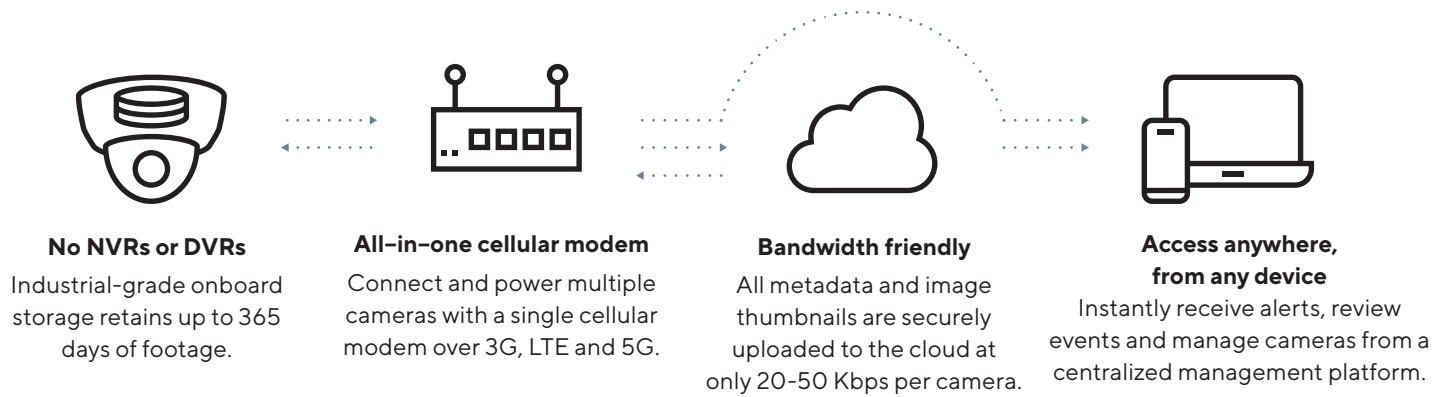### Improve visibility with an increased tilt angle

Featuring our highest available tilt angle of up to 70°, the CM41–E can provide improved visibility for low–mounted cameras down a transit tube or hallway.

Edge–based processing to simplify investigations

Receive real–time People of Interest alerts via SMS or email with an image and a link to review associated footage.

How it works

No NVRs or DVRs
Industrial-grade onboard storage retains up to 365 days of footage.

All–in–one cellular modem
Connect and power multiple cameras with a single cellular modem over 3G, LTE and 5G.

Bandwidth friendly
All metadata and image thumbnails are securely uploaded to the cloud at only 20-50 Kbps per camera.

Access anywhere, from any device
Instantly receive alerts, review events and manage cameras from a centralized management platform.

Built for Your Organization

For IT professionals
Eliminate the need for NVRs, DVRs and complicated VPN configurations. Verkada's mobile deployment security solution is secure out of the box, easy to setup, and simple enough for nontechnical users to manage independently.

For transportation managers
Quickly search through footage to ensure that staff members comply with safety rules and regulations. Reduce liability by capturing high quality, legally admissible footage and get notified of meaningful activity in frame.

For security professionals
Streamline visibility and respond to incidents in real time. With the ability to quickly share live feeds with law enforcement, give local authorities the insight they need to respond to incidents appropriately, as they transpire.

Customer stories

Yusen Logistics
"The bandwidth of the cameras is so inconsequential that there was barely any impact on the overall infrastructure. I don't need to worry about degradation or interruption."

Gene Stec,
Director of IT, Contract Logistics and Facilities for Transportation Managers

Virgin Hyperloop
"The return on investment was straightforward; our 5–year license with Verkada saves us about $400,000, approximately $6,700 in monthly maintenance fees."

Dawn Armstrong,
VP of IT

City of Parkersburg
"Verkada is incredibly lightweight from a networking standpoint. You can run 10–plus cameras off a single cellular modem"

Garrett Bradlyn,
IT Manager