Verkada

Leading Cloud Physical Security for Modern Mining Operations

Overview

Mining operations stretch across vast, often isolated environments where visibility can be limited. Verkada brings every site — from extraction to processing to worker accommodation — onto one platform, giving teams real-time oversight to improve safety, monitor assets, and respond instantly when issues arise.

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> "We can ensure that if there's any safety issue, we're on top of it right away."
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> ALLSTONE **ASQ** QUARRIES
>
> **Jai Munday,**
> IT System Manager

Protect workers and remote sites

Enable remote monitoring

Monitor remote sites with cameras featuring built-in LTE and optional solar power — no servers or NVRs required, making deployment easy where there's limited infrastructure.

Monitor operations in real time

Oversee real-time crusher activity, conveyor flow, and haul truck movements across multiple sites — right from your smartphone or desktop.

Investigate rapidly with AI

Investigate injuries, thefts, and intrusion events in minutes using motion, text queries, or reverse image search. Instantly reconstruct a timeline of events to see what happened.

Centralize alerts and response

Get instant alerts for trespassing and safety risks such as slip and falls and missing PPE. Manage alerts directly in Verkada using a ticket-based system for full visibility and a digital audit trail.

Protect worker accommodations

Monitor noise, temperature, humidity, and air quality with smart sensors, helping to ensure safe living conditions in isolated and challenging environments.

Streamline gate access

Automate gate access for approved trucks and vehicles using ALPR (automatic license plate recognition), or verify and grant entry remotely through a video intercom.

Streamline operational and compliance workflows

Quickly validate truck loads

Pair LPR-enabled cameras with context cameras to automatically log each truck's license plate and load — creating a complete visual record of every weighbridge transaction.

Speed up compliance reviews

Link weighbridge data with recorded license plate and video footage via APIs to simplify compliance reviews, accelerate audits, and minimize the risk of fines.

Monitor truck cycle times

Capture data on trucks entering and exiting key site points with ALPR, making it easy to calculate loading and turnaround times for improved operational efficiency.

Safeguard remote perimeters with AI

Enable virtual guarding

Cameras can serve as virtual guards, detecting intruders and activating AI talk down via a horn speaker with personalized messages before escalating to a human agent.

Monitoring vast areas at scale

Pan-tilt-zoom (PTZ) cameras provide infrared coverage up to 328ft (100m), automatically zooming in on people for high-resolution capture and triggering alarms for intruders after hours.

Simplify video sharing

No need for thumb drives. Easily share video clips and even live camera feeds with local authorities or internal teams via SMS or a direct link.

Why Verkada?

No NVRs or DVRs
– up to 365 days of onboard storage

Unlimited user seats
and cloud archiving

Up to 10–year warranty
and predictable renewal costs

24/7 technical support
via email, phone or live chat

Cybersecurity protection
– SSO, 2FA, and Enterprise Controlled Encryption

Automatic updates
to unlock new features and maintain security

Video Security

AI-enabled cameras provide 24/7 recording, are IP66/IP67 dust- and weather-proof, and deliver exceptional image quality — even in low light.

Access Control

Automate staff credential provisioning and assign granular user permissions with cloud-based access control.

Alarms

Deter trespassing and thefts with cloud-managed intrusion detection, AI-powered talk down, and 24/7 professional monitoring.

Intercom

Protect gates and delivery bays with video intercoms — answer calls from anywhere with sharp video, clear audio, and four receiver methods.

Guest

Streamline visitor check-ins in offices with automatic photo ID and form capture, optional security screenings, and instant host notifications.

Air Quality Sensors

Set custom alerts for noise, temperature, humidity, CO, CO_2, particulate matter, vape emissions, and other air quality indicators.

Mailroom

Optimize deliveries at remote worker accommodations by tracking packages with a mobile scan and automatically notifying recipients.

Connectivity

Easily deploy Verkada cameras and devices with LTE gateways in hard-to-wire locations like remote pits, loading areas, and processing plants.

Viewing Station

Stream up to 300 live camera feeds from a single Viewing Station and gain instant visibility across your distributed sites.

Contact sales@verkada.com to learn more or try Verkada for free.