

Revolutionizing Monitoring – Beyond Live CCTV

emsProductFocus17-LidarConvey

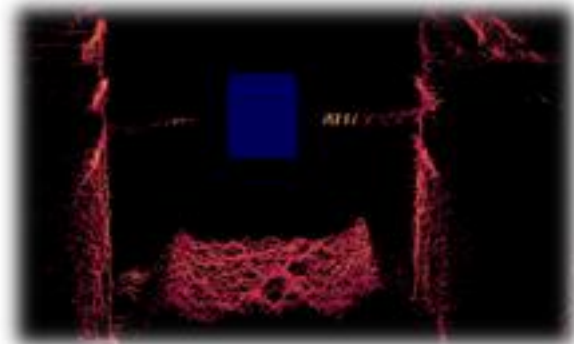
Traditional CCTV means someone has to stare at screens 24/7 to spot rock grade changes, foreign objects, or conveyor issues – it's tiring, inconsistent, and misses things when attention slips. 🦋🔧



The Problems:

- Constant live viewing required: Human eyes get fatigued, shifts end, and mistakes happen.
- Inefficient monitoring: Slow to catch material deviations, oversized rocks, or hazards.
- No automatic adjustments: Conveyor speed stays fixed – you lose capacity or overload the system.
- Safety gaps: Hard to reliably detect people too close to moving parts.

EMS's Game-Changing Solution: FlashEye Lidar Pods FlashEye Lidar (part of the LidarConvey system) delivers fully automated, hands-free monitoring – accurate, reliable, and running 24/7 with zero human supervision needed.



How It Works (Smart, Autonomous & Precise):

- **Advanced Lidar scanning:** Pods mounted over conveyors continuously scan material flow in 3D – no cameras, no lighting issues.
- **Unaided decisions:** Built-in intelligence analyses data on the spot – detects issues and acts instantly without waiting for an operator.
- **Industrial toughness:** IP67-rated enclosure + rugged industrial PC – built to survive dust, vibration, moisture, and harsh mine conditions.
- **Real-time feedback loop:** System talks directly to conveyor controls – adjusts speed automatically based on volume.



If a 10 cm per second increase in efficiency is a big enough reason, Contact us today to discover how we can transform your production monitoring systems!



Key Features That Deliver Results:

- **Material Deviation Monitoring:** Spots changes in rock grade or composition instantly – flags off-spec loads early.
- **Topsite Measurement:** Measures rock sizes accurately – ensures everything meets crusher/specs limits, prevents jams.
- **Human Proximity Detection:** Safety first – detects people near danger zones and triggers alerts or shutdowns.
- **Volumetric Flow Management:** Live volume tracking – auto-increases conveyor speed when flow is light (e.g., +10 cm/s = +8.64 km of extra processed material per day).

Why You'll Love It:

- **24/7 consistency:** No breaks, no fatigue – monitoring never stops.
- **Zero supervision needed:** Fully autonomous decisions save manpower and reduce errors.
- **Maximized throughput:** Smart speed adjustments squeeze more volume without overload risks.
- **Safer operations:** Early hazard detection protects people and equipment.
- **Reliable in tough spots:** Durable design thrives where CCTV struggles (dust, low light, vibration).

Ditch the screen-staring and manual checks – upgrade to automated, intelligent monitoring that sees more, acts faster, and runs itself.

Ready to bring the future of conveyor monitoring to your operation?

Contact EMS today to learn more about FlashEye Lidar Pods and LidarConvey – and unlock accurate, efficient, hands-free monitoring that meets today's demands.

Automation on. Human error off. Throughput up