

REMOTE MONITORING

Cam.LevelCrossing

Video-based fault analysis of level crossings to avoid on-site operations

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When AI monitors level crossings

Cam.LevelCrossing is a powerful edge device for monitoring level crossings, which was developed to enable the automated analysis of video recordings in installation rooms. It collects, processes and transmits data to platforms such as DIANA using modern IoT technologies. This data can include video clips or switchgear statuses, and the device enables intelligent monitoring of objects in technical buildings in order to prevent faults or to analyze them retrospectively. Cam.LevelCrossing is already playing a key role as an enabler for predictive maintenance and condition monitoring in rail infrastructure. The device was developed by infraView on behalf of the DIANA team at DB InfraGO.

Who benefits from Cam.LevelCrossing?



Maintenance staff



Team lead



Asset manager

Multi-camera system - Data collection for predictive maintenance at level crossings.

- ✓ Monitoring of relay controls and switchgear in installation rooms of level crossings for the analysis of incidents.
- ✓ AI-based detection of anomalies in relay switching sequences and triggering of notifications.
- ✓ Provision of video clips for subsequent analysis of incidents.
- ✓ Digital monitoring of outdated relay switchgear

Our added value

1 GDPR-compliant

2 Device management, maintenance, remote updates

3 Compatible with DIANA®

4 Cost-efficient edge devices

5 On-premise or cloud