

contact@noema.tech www.noema.tech

Railroad Crossing Monitoring

There are over 1.3 million kilometers of railroad across the world, interwoven into the infrastructures of our towns and cities. Trains blocking the railroad crossing presents many issues to cities, from frustrating gridlock to the delaying of emergency services, which can have tragic consequences. Noema's Railroad Crossing Monitoring Application uses smart cameras and computer vision to monitor railroad crossings and alert operators to stoppages. Informing first-responders and the public to blocked intersections makes cities run smoother and enables emergency services to operate free of obstacles





Noema's Railroad Crossing Monitoring Application monitors railroad crossings for stopped trains and alerts operators to train stoppages which helps find optimal routes and accelerates the clearing of blockages.

Features / SpecsMonitor railroad
intersections for blockagesA variety of cameras
are supportedEasy configuration
& useHelps estimate road
blockage timeWorks in all light
conditionsFinds optimal routes
during blockages



Automated, 24/7 Monitoring

Noema's Railroad Monitoring Crossing application automatically monitors railroad intersections, and sends alarms to operators when a stoppage occurs. Optimal Routing During Stoppages

Noema's Railroad Crossing Monitoring application alerts emergency services to blocked railroad intersections, so they can find optimal routes and avoid costly delays. Remote Installation & Configuration

Noema's computer vision applications are easy to install. Mount a new camera or equip an existing one, and configure the application remotely over the internet.



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The app generates metadata and images which are integrated into a VMS backend using a MQTT interface.

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