



Violet Edge 800

A continuously evolving onboard IoT platform

The Violet Edge 800 integrates the functionality of several devices into a single, sustainable IoT platform for rail. This Locomotive Data Acquisition Recording System (LDARS) includes Event Recorder (ER), Digital Video Recorder (DVR), and Crash Hardened Memory Module functionality, along with acting as a Remote Monitoring Device.

The onboard Violet Edge 800 provides access to comprehensive, time-synchronized locomotive data, which is then layered with sophisticated edge computing, artificial intelligence, and cloud-based SaaS solutions to provide users with the ability to take prompt action.

Key functionalities

Platform

- Remote health monitoring
- Secure access to video, audio, and locomotive data
- Remote, over-the-air software updates continuously evolve to meet current and future needs

Additional features

- In-cab audible alerting
- Mobile device detection system

Event recorder and digital video recorder

- FRA-compliant IEEE-1482.1 connected event recorder
- LVVR and FAST Act-compliant connected DVR
- 49 CFR 229 and IEEE-compliant CHM (optional)
- Unlimited licenses to web view
- On demand access to live data and video thumbnails
- Industry's first web-based data sharing provider

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