SurfView-Rail is a vehicle based rail and track surface imaging and inspection system designed and built by Beena Vision. The system is installed on a rail vehicle or a hi-rail truck, and scans the rail and the track with the desired resolution. System generates very high resolution images of the rail and track components such as ties (sleepers), tie plates, fasteners, ballast, etc. There is an optional laser scanning capability if the system is paired with our TrackView-Profile system. SurfView comes with on board computer, acquisition and display software, up to six cameras scanners and all cabling.

Applications
- Visual and automated rail and track inspection
- Increased inspection efficiency
- Joint bar inspection and counting
- Detection of missing, broken, displaced, and worn track components
Features

- On-board display
- Off-line display for detailed post processing
- Triggered line scan cameras
- High quality images for automated and visual inspection
- High intensity lighting system
- Foot pulse signature
- GPS-based position support
- 68,000 scans per second
- Up to 6 cameras for high resolution imaging of the track
- Adjustable scanning rate
- Sophisticated GUI for user interaction, marking, storage, etc.
- System enclosures are environmentally sealed and can operate in temperatures of -40C to 60C