TrackView-Profile is a vehicle based rail profile, track profile and track geometry measurement system. This system can be installed easily on a hi-rail truck or a rail vehicle. Its multi-camera and laser system is designed for effective laser/rail imaging and profile reconstruction.

TrackView uses high power visible lasers for illumination and can operate easily during day and night operations. System provides rail cant and track gauge in addition to the rail profile data and rail profile parameters. It also provides instant rail type information. The track profile option provides a laser generated track profile to evaluate the tie and ballast condition on the track. This data can be combined with the image data generated by SurfView-Rail product to obtain a complete status of the track condition.

**Applications**
- Rail Profile Measurement
- Ballast Condition
- Track Gauge Measurement
- Cross Level measurement
- Rail Type Recognition
- Track Maintenance
Features

- Proprietary laser/camera configuration
- Real-time processing
- Can be installed on either Hi-Rail truck or rail vehicle
- Operation under different environmental conditions
- Rail profile at every foot or any multiple of a foot
- Real time report and alarm on rail defects with adjustable levels
- Supplied complete with all hardware and software components, ready for installation
- Storing miles of data locally for post viewing and processing
- Local database available as an option
- Profile measurement speed up to 80 mph

Measurements

- Rail Profile
- Rail Cant
- Rail Height
- Head Width
- Gauge and Field Lip
- Rail Weight
- Percent Head Loss
- Gauge Wear
- Vertical Wear
- 45° Wear
- Gauge Face Width
- Gauge Face Angle

Geometry Options

- Track Gauge
- Track Cross Level