vue®
Vehicle Undercarriage Examiner

Maximize Visual Information to
Detect & Secure

duostech
connected intelligence

Overview

The Vehicle Undercarriage Examiner (**vue**®) is an intelligent imaging system that provides high-resolution images of railcar undercarriage at speeds of up to 70 mph. The system uses high resolution technology combined with artificial intelligence to create unparalleled imagery and detection. Top and/or side panorama views and thermal imaging are modules that can be added to the system.

The **vue**® automates the inspection process and provides mechanical teams the latest technology to improve and optimize railcar inspections. The system reduces online failures due to mechanical defects, improve rail yard and network velocity, and make railroads safe and secure.

High definition
Intelligent
scanning system

How it Works

01 High Res. Images

- Using line scan cameras to capture up to 150 megapixels per railcar for highly detailed undercarriage images
- Utilize Linear Speed Sensor to enhance image stitching

02 Analyze

- Captured images and frames are stitched together to create a continuous view of the consist using the linear panorama generator

03 Remote Inspection

- Enables **remote inspection of defects and / or anomalies**
- Identify and schedule maintenance and repairs ahead to **eliminate dwell time**

04 centraco®

- User friendly Inspection UI
- Machine Leaning / Machine Vision (A.I.*) Camera Imaging Module
- Analyzes and correlates inspection data while tracking situational events
- Intuitive con-ops minimizes operator training time

* Powered by **truevue360**™ *A.I.*
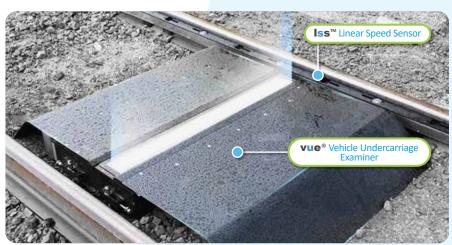
System Benefits

Reduce Dwell Time/ Increase ROI

Identify Defects & Intrusion

Safe, Efficient, & Reliable Remote Monitoring

Easy Integration to Existing Railroad Systems

Iss™ Linear Speed Sensor

vue® Vehicle Undercarriage Examiner

Contact Us | All products, systems & solutions are backed by duostech 24 x 7 x 365 global training, maintenance & service program

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