

VUE (Vehicle Undercarriage Examiner)

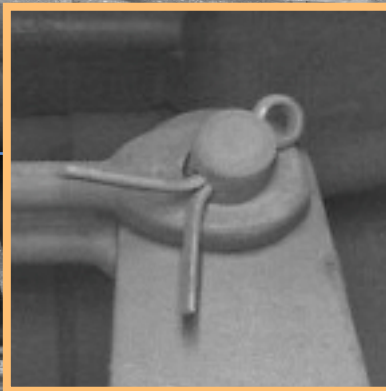
High-resolution end-to-end scanning of railcar undercarriages in real time at track speed

made exclusively for

rip®

railcar inspection portal

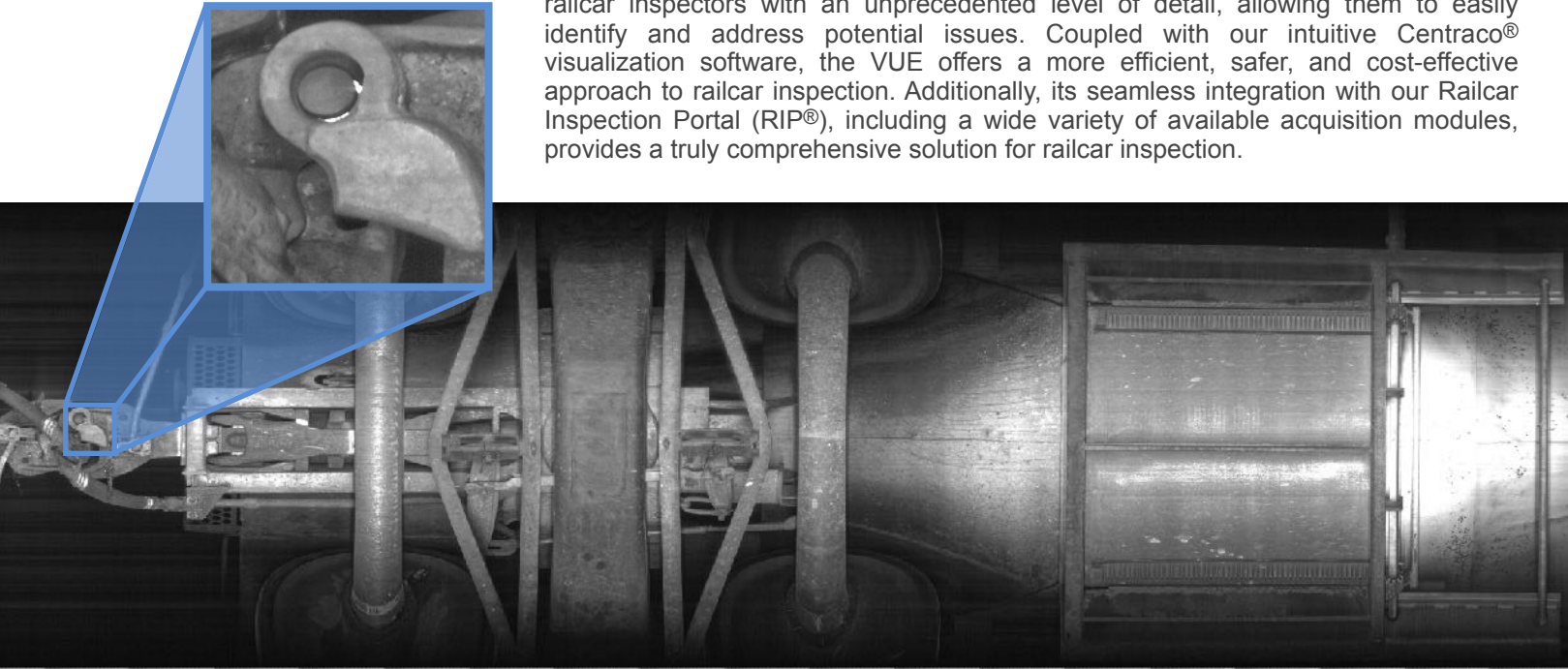
DuosAi
compatible



duostech
intelligence in motion

VUE (Vehicle Undercarriage Examiner)

The VUE is a cutting-edge railcar inspection tool that captures high-resolution panoramic images of railcar undercarriages. This innovative technology provides railcar inspectors with an unprecedented level of detail, allowing them to easily identify and address potential issues. Coupled with our intuitive Centraco® visualization software, the VUE offers a more efficient, safer, and cost-effective approach to railcar inspection. Additionally, its seamless integration with our Railcar Inspection Portal (RIP®), including a wide variety of available acquisition modules, provides a truly comprehensive solution for railcar inspection.



Feature Highlights

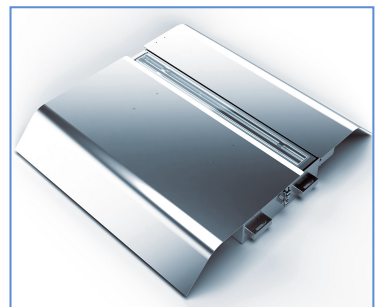
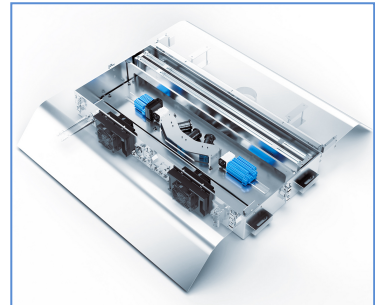
- Produces crisp, high-resolution (panoramic) images of railcar undercarriage
- Acquires image data at track speed (up to 80 mph for freight rail and up to 125 mph for high-speed passenger rail)
- Ruggedized, sealed, and protected for operation in harsh environments
- Integrated Air-blade technology helps to keep acquisition surface clean and free of debris

See it in Centraco®!



Specifications

Module Hardware Version: 1.3
Data Acquisition Type: Image Data (Panorama Image)
Number of Cameras: 3
Camera Sensor Type: Line-scan (Grayscale)
Resolution: 2k
Light Source: Integrated LED
Approximate/Average Data Size (Single Railcar Scan): Approx. 5.4 MB
Physical Location: Between Rails (below top-of-rail)
Connectivity: Via Duos Railcar Inspection Portal (RIP®)
Control: Automatic via Duos Railcar Inspection Portal (RIP®)
Power Requirements:
Chassis Control Panel: 220-240VAC, 50/60Hz, 50A Breaker
Air Knife: 220-240VAC, 50/60Hz, 40A Breaker
Environmental:
Chassis: -40° - +40°C
Dimensions:
Chassis Control Panel: 36"x60"x13" (WxHxD)
Chassis w/Kick Plate and Air Knife: 52 3/4"x 48 1/4" x 7 3/8" (LxWxH)



rip® ready!

The VUE is 100% compatible with the **Duos Railcar Inspection Portal**. Leveraging the power of the RIP's modular architecture, the VUE can be selected for a new RIP or added to an existing RIP® system for greater coverage.

