# oblique Vehicle Undercarriage Examiner





duostech

#### Overview

The **obliquevue®** is an arrangement of 4 high resolution area scan cameras configured and arranged at specific angles of pitch and yaw to provide images at an oblique angle to the train direction of travel. The **obliquevue®** system is most commonly deployed in pairs with 2 chassis and a total of 8 high resolution area scan cameras facing each other to fully capture the leading and trailing surfaces of transiting equipment. Each high resolution area scan camera is illuminated by a Duos custom designed and fabricated ring light of 6 high power LEDs.

## **Oblique High Definition**

Intelligent Scanning System

03

#### **How it Works**



#### High Res. Images

• The obliquevue system can capture up to 120 frames per second



• Captured images are processed in designated acquisition servers (Duos trackside Edge Data Center)

02

Correlated & organized with train specific AEI info then moved into the onsite storage servers



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



- User friendly inspection UI
- Machine learning / 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 **truevue**360™ A.I.

### System Benefits



Reduce Dwell Time/ Increase ROI



Safe, Efficient, & Reliable **Remote Monitoring** 



**Identify Defects &** Intrusion



Easy Integration to **Existing Railroad Systems** 





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