



Innovative 3D-visualisation, 3D volume and surface inspection

A dedicated image acquisition and inspection system determines and documents in real time the status of vehicles passing through a short tunnel suitably equipped with multiple high resolution sensors and appropriate lighting.

INVIVO sets the base for a 3D-visualization and all-sides documentation of the current vehicle status, as well as for a half-automated, operator-assisted determination of vehicles' damages.

Every time the car passes through the tunnel the system can not only document its current status but also show the differences to the previous one.

Optical 3D-metrology and embedded vision

Inspection and visualization of vehicles in motion

Innovative fleet monitoring and turnaround management

Benefits:



High application reliability in terms of data integrity and availability.



Facilitation of complex business requirements such as multiple-site inspections, e.g. different pick-up/drop-off locations.



Support for supervised learning approaches towards automatic high-accuracy defect detection by applying deep learning methods to the inspection results and user feedback datasets collected from all the INVIVO installations

<https://invivo-project.eu/>

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