



# Pavemetrics Products Comparison

## Products

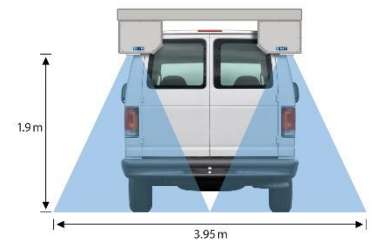
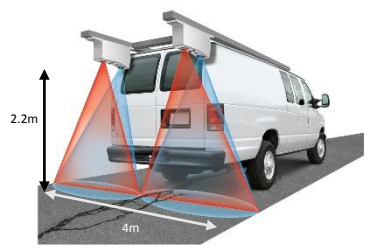


Laser Crack Measurement System (LCMS-2)



Laser Road Imaging System (LRIS)

## Installation



## What Does It Do?

	LCMS-2	LRIS
2D Imaging		
3D Profiling		
3D Imaging		
Cracking (automatic detection)		
Rutting (automatic detection)		
Ravelling (automatic detection)		
Macro-Texture (evaluation)		
Longitudinal Profile and IRI Measurement		
Slope, Cross Fall and Super Elevation		



Laser Crack Measurement System (LCMS-2)



Laser Road Imaging System (LRIS)

What Is In the Box?

- Two 3D laser profiling sensors
- Rackmount controller
- Two PCIe camera link frame grabber boards
- Built-in IMUs
- All necessary cables
- User manuals

- Two high power laser and two linescan (2048 pixel) imaging units
- Rackmount controller
- 1 beam for mounting the laser units
- One PCIe frame grabber board
- All necessary cables
- User manuals

What Type of Software Comes With It?

LCMS C/C++ acquisition and processing DLL library for custom user applications  
AND  
LCMS-2 acquisition and processing applications with graphical user interface (GUI)

LRIS C/C++ acquisition DLL library for custom user applications

Key Specifications

- Day and night operation
- 100 km/h operating speed
- Up to 28 000 Hz scanning frequency
- 0.5 mm vertical accuracy
- 1 mm transverse resolution (4160 points)
- 1 mm longitudinal scanning interval (configurable)

- Day and night operation
- 100 km/h operating speed
- 32,000 Hz scanning frequency
- 1 mm 2D imaging
- 1 mm transverse resolution (optional 0.5 mm resolution)
- 1 mm longitudinal scanning interval

Outputs

- 3D transversal profiles
- Pavement Images
- Distresses Identification

- Downward Pavement Images