Pavemetrics Products Comparison

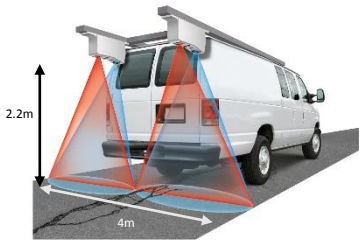
Products

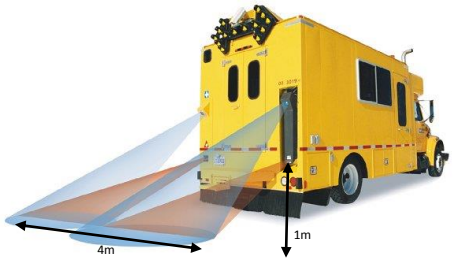
Laser Crack Measurement System (LCMS-2)

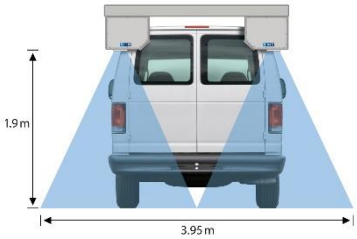
Laser Rut Measurement System (LRMS)

Laser Road Imaging System (LRIS)

Installation







What Does It Do?

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

Laser Crack Measurement System (LCMS-2)	Laser Rut Measurement System (LRMS)	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 3D laser profiling sensors • Rackmount controller • One PCIe frame grabber board • 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)	LRMS C/C++ acquisition and processing DLL library for custom user applications	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 • 30 or 250 Hz scanning frequency • 1 mm vertical accuracy • 1,280 point transverse profiles	• 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	• 3D Transverse profiles • Rutting values	• Downward Pavement Images