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DATA SHEET

LVM5572

Load Volume Measurement System
Profiling systems

SICK Sensor Intelligence



PROFILING SYSTEMS

LVM5572

ORDERING INFORMATION

Type	part no.
LVM5572	1117981

Further device versions and accessories at www.sick.com/Load_Volume_Measurement_System

DETAILED TECHNICAL DATA

FEATURES

Number of covered lanes	1
Vehicle data	Load volume Vehicle classes Driving direction Lane assignment Confidence level for all vehicle datas 3D point cloud Vehicle dimensions
Sensor	2D LiDAR sensor
Recommended distance between max. vehicle height and sensor	≥ 1 m
Stop-and-go functionality	Yes
Max. range with 10 % reflectivity	40 m
Aperture angle	190°, per LMS511 SE
Laser class	1, eye-safe (IEC 60825-1:2014)
Heating	✓
Internal computer	Application Processing Unit (APU) ✓
Internal memory	256 GB SSD

MECHANICS/ELECTRONICS

Installation position	Overhead or at the side
Installation height	5 m ... 8 m At least 1 m higher than the maximum vehicle height

PERFORMANCE

Minimum object size	1 m x 0.6 m x 0.6 m (L x W x H)
Maximum object size	32 m x 3.5 m x 5 m (L x W x H)

Minimum detectable object	190 mm x 130 mm x 130 mm

INTERFACES

Output data	Vehicle data incl. load volumes

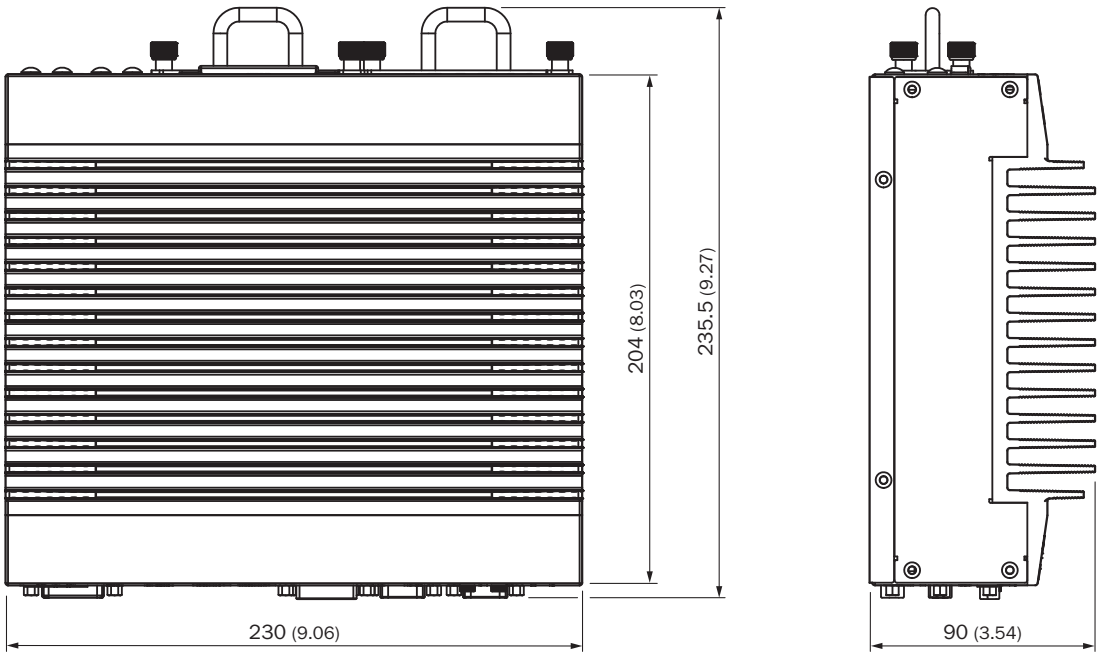
GENERAL NOTES

Items supplied	LMS511 HD (7 x) Application Processing Unit (APU) LVM software

CERTIFICATES

EU declaration of conformity	✓
UK declaration of conformity	✓

DIMENSIONAL DRAWING APU (APPLICATION PROCESSIONG UNIT)



Dimensions in mm (inch)

Further information as well as suitable accessories, example applications and downloads such as CAD dimensional models, operating instructions and software can be found at www.sick.com/1117981

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SICK AT A GLANCE

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SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnerships with our customers are more than just a promise: Together, we optimize productivity, improve quality, protect health and safety, and help build a sustainable future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions

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