

LIPSMetric™ VD115 Vehicle Dimensioner

Smarter Vehicle Dimensioning. Better Control.

LIPSMetric™
VD115 Vehicle
Dimensioner



**SUPER FAST
MEASUREMENT**



**HIGH ACCURACY
DIMENSIONING**



**MEASURABLE
MAX. LENGTH**



**MeasureMaster
APP/ SDK.**

What it Delivers



Real time vehicle dimensioning
within 1 second



Accurate detection for
all vehicle types and sizes



Optimized parking and
space utilization



Seamless integration with
parking, toll, and management systems

VD115e
Dimension
Measurement



LIPSedge™ 3D Camera
AE450 x 2 or 3

Vehicle Dimensions

VD115a
Chassis Height
Measurement



LIPSedge™
3D Camera
AE430 x 1

Vehicle Chassis Height

Camera
Installation
Views



Top View



Front View

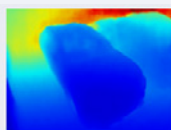


Side View

Sensing
Output
Data



Image Capture



Depth Mapping



Point Cloud Generation

STOP LINE



Side
AE430



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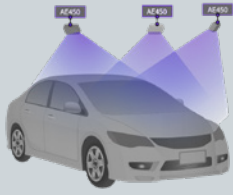
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Specifications

LIPSMetric™ Vehicle Dimensioner VD115e



**LIPSedge™ 3D Camera
AE450 x 2 or 3**
(Ceiling Mounted / Wall Mounted / Tripod)

**LIPSMetric™
MeasureMaster**



Model		LIPSMetric™ Vehicle Dimensioner VD115
Measurement	Technology	LIPS 3D AI sensing Solution
	Measurable Objects	Vehicle (Car/Trucks)
	Installation height	4~6 m
	Measurement Time	1 ~2 sec.
	Vehicle Minimum Dimensions	250×140×80cm (L×W×H)
	Vehicle Maximum Dimensions	Car 600×400×400cm (L×W×H) Truck 1200×400×400cm (L×W×H)
System	Accuracy	± 2%
	I/O Ports	4×IEEE 802.3at PoE+/PSE 1×HDMI (max. 3840×@160@60Hz)
	Operating System	Linux (Jetpack6)
	Operating Voltage	AC 100~240v
	Operating Temperature	-10~60 °C
Item	Description	
Software	Car Park Dimensioner Software for vehicle size detection and measurement	
3D Camera	LIPSedge™ AE450 (Active Stereo) ruggedized 3D camera with GigE/PoE interface and IP67 protection	
Industrial PC	Orin AGX *1 for 2 camera Orin AGX*2 for 3 camera	
Calibration Chart	For optimizing depth accuracy at working distance	
SDK/API	Supported	

Optional : Vehicle Chassis Measurement VD115a



**LIPSedge™ 3D Camera
AE430 x 1**
(Wall Mounted / Tripod)

**LIPSMetric™
MeasureMaster**



Model		LIPSMetric™ Vehicle Dimensioner VD115
Measurement	Technology	LIPS 3D AI sensing Solution
	Measurable Objects	Vehicle Chassis Height
	Installation height	60~120 cm
	Measurement Time	1 sec.
	Minimum Object Dimensions	15 cm(H)
	Maximum Object Dimensions	30 cm(H)
	Accuracy	± 2%
System	I/O Ports	4×IEEE 802.3at PoE+/PSE 1×HDMI (max. 3840×@160@60Hz)
	Operating System	Linux (Jetpack6)
	Operating Voltage	AC 100~240v
	Operating Temperature	-10~60 °C
Item	Description	
Software	Car Park Dimensioner Software for vehicle chassis measurement	
3D Camera	LIPSedge™ AE430 (Active Stereo) 3D camera with GigE/PoE interface	
Industrial PC	NVIDIA Jetson Orin NX with 32GB eMMC	
Calibration Chart	For optimizing depth accuracy at working distance	
SDK/API	Supported	



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