LIPS

AI 3D MOBILE DIMENSIONING SYSTEM

LIPSMetric™ HA115a-MH Handheld Dimensioner

Dimensioning anywhere, anytime.
Portable 3D measurement for cubic and non-cubic objects.





HA115a-MH
HANDHELD DIMENSIONER KIT
L210u camera + mount Surface Go 3 (Optional)



LIPSedge™ L210u
STRUCTURED LIGHT CAMERA
50-120 cm working distance USB 2.0 Type-C workflow

SYSTEM READY
MeasureMaster APP / SDK
Windows 10 / 11
RESTful API Integration

Key Selling Points

Portable, Anytime Measurement
Fast handheld dimensioning for indoor and outdoor workflows.

AI Floor Detection
Automatically identifies the floor; no pre-calibration required.

Cubic + Non-Cubic Objects
Measures parcels, mailboxes and irregular small-to-medium objects.

Deployment-Ready Integration
MeasureMaster APP / SDK with RESTful API for third-party systems.

Turnkey Value Flow - From Capture to Business Data

HA115a-MH Kit
L210u camera + mount
Surface Go 3 (Optional)

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Point & Capture
50-120 cm working distance

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AI Dimensioning
L x W x H
Floor detection

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Business Integration
RESTful API
WMS / ERP

50-120 cm	10 x 10 x 5	60 x 40 x 30	±1.0 cm
WORKING DISTANCE	MIN. OBJECT SIZE	MAX. OBJECT SIZE	BEST-CASE ACCURACY
Object to camera	L x W x H (cm)	L x W x H (cm)	Cubic object

Instant capture of underlying object with an instant shot



Warehouse



Logistics



Retail



Manufacturing

LIPS

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LIPSMetric™ HA115a-MH Technical Specifications

LIPSMetric™ HA115a-MH System & Measurement Specifications



LIPSMetric™ HA115a-MH Kit

L210u camera + mount
Surface Go 3 optional

LIPSMetric™ MeasureMaster

SDK APP

Model	Model	LIPSMetric™ HA115a-MH Handheld Dimensioner Kit
	Host Device	Microsoft Surface Go 3 (optional)
Measurement	Object-to-Camera Distance	50-120 cm
	Capture Angle	±30° (cubic / non-cubic)
	Minimum Object Size	10 x 10 x 5 cm (L x W x H)
	Maximum Object Size	60 x 40 x 30 cm (L x W x H)
	Object Type	Cubic / Non-cubic
	Dimensioning Accuracy	±1.0 cm best case at 50-70 cm, 0° (cubic) ±2.0 cm other cubic cases; ±3.0 cm non-cubic
System Requirements	CPU	Intel® Pentium® Gold 6500Y
	RAM	4 GB
	System Type	64-bit operating system, x64-based processor
	Storage	32 GB
	Operating System	Windows 10 / 11
Software	Included Software	LIPSMetric™ Dimensioner APP and SDK
	SDK Integration	RESTful API measurement interface

LIPSedge™ L210u Camera Specifications



LIPSedge™ L210u 3D Structured Light Camera

USB 2.0 Micro-B
to USB Type-C

Camera	Technology	Structured light 3D camera module
	Key Components	NIR sensor; RGB sensor; NIR illuminator; flood projector
	Host Interconnect	Single USB cable for camera power and data
	Data Rate	Up to 480 Mbps
	Connector / Input	Micro USB; +5 V power input
	Average Power	1.4 W (typical)
	Continuous Current	0.28 A (typical)
	Peak Current	1.68 A
	Operating Temperature	0°C to +40°C
	Storage Temperature	-20°C to +60°C
	Module Dimensions	X: 54 ±0.2 mm; Y: 26.6 ±0.3 mm; Z: 14.3 ±0.4 mm

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