# LIPSMetric™ HA110 Handheld Dimensioner

## Dimension Measurement Anytime and Anywhere

**LIPS** Sense The World

L= 27cm
W= 21cm
H= 13cm

## Product Highlights

- Industry-leading measuring speed & accuracy
- Easily fit your mobile device design with small footprint camera module
- Flexibility to measure anytime and anywhere with a mobile device
- Ability to measure both cubic or non-cubic objects
- Identify floor with AI algorithm. No need for calibration
- Automatically outline object dimensions with AI algorithm even when it's moving
- Ability to measure metal or shinny surface such as plastic wrap
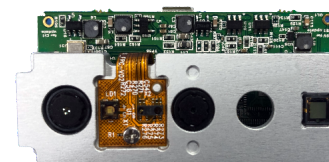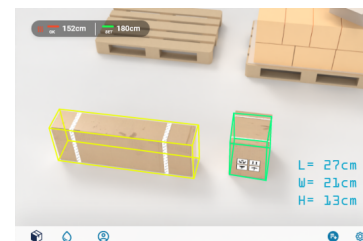
LIPSedge™ L-Series
3D Structured-Light Camera

### Quick
Instant capture of underlying object dimension anytime and anywhere

### Intelligent
Automatically identify the floor and detect object dimension using AI. No pre-calibration required

### Track
Keep track of historical measurement data

### Simple
Point and click operation. No training required

### Friendly
Support system integration with RESTful API

intel partner Gold IoT Solutions

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# Specifications

| Model | LIPSMetric™ HA110 Handheld Dimensioner Camera Kit | |
|---|---|---|
| OS | Windows 10<br>Linux18.04/20.04<br>Android 10 on arm64-v8a CPU platform | |
| System Requirement | Minimum Requirements:<br>Intel ® Pentium® Gold 4415Y/4425Y/or above<br>RAM 4GB<br>SSD 64GB<br>Panel Resolution 1280x720 or 1280x800 | |
| | For Performance Recommended:<br>Intel® Pentium® Gold 6500Y/or above<br>RAM 4GB or above<br>SSD 64GB or above<br>Panel Resolution 1920x1200 (or 1920x1280) | |
| Camera Included | LIPSedge ™ L215u/L210u 3D Structured Light Camera | |
| Object to 3D Camera | Distance | 50-120 cm |
| | Angle | ± 45° (Cubic),<br>± 30° (Non- Cubic) |
| Measuring Range | Object Height | 5 ~ 30 cm |
| | Object Size L x W x H (cm) | Min: 10 x 10 x 2 cm<br>Max: 60 x 40 x 30cm |
| | Type | Cubic / Non-cubic |
| Accuracy | ±1.0 cm at best case in 50-70cm (cubic)<br>±2.0 cm at other case (Cubic) ,  ±3.0 cm (Non-Cubic) | |
| Other  requirements | USB 2.0 port or above<br>arm64-v8a for Android OS | |

## 3D Camera Included

| Model | LIPSedge™ L215u/L210u 3D Structured-Light Camera |
|---|---|
| Environment | Indoor & Outdoor |
| Technology | Structured-Light |
| RGB Resolution | 1280 x 800 @ 6fps, 640 x 480 @ 25fps |
| RGB FoV ( H × V × D ) | 50° x 74° x 84° (+/- 3°) |
| Accuracy | Up to 0.3% @ 100 cm |
| Dimension (mm) | • 26.6mm * 54mm * 14.2mm (L210u module)<br>• 63mm * 30mm * 17mm (L215u w/ enclosure) |
| Interface | USB2.0 Micro-B |