

SMART LOGISTICS

3D Mobile Dimensioning System





3 STEPS DIMENSIONER WORKFLOW



1

BARCODE SCAN

Press yellow button on either side of M2 to scan 1D and 2D codes, with aid of built in illumination and LED pointer.



2

DIMENSION SCAN

Start scanning by looking down on item, the item will be identified and highlighted in the real-time video preview. Press the DIM button for instant cube dimensions, shape analysis and image capture.



3

SAVE/UPLOAD

Item Dim, Barcode, Shape, Weight (if captured via Bluetooth), Multiple Images and more are saved to local flash and/or sent in real-time via Wi-Fi to WMS/ERP.

WHY YOUR BUSINESS NEEDS QBOID

The QBOID M2 Perceptor brings instant, cost effective mobile dimensioning to any site or warehouse location. Easily capture dimension/weight/shape master data needed by your optimization and automation processes. The M2 can also run your existing Android or browser logistics or warehouse applications



MOBILE PLATFORM

Powerful Qualcomm/Android smartphone platform, with integrated 3D vision sensors, the M2 is built by the smartphone supply chain for economical cost of ownership.



3D COMPUTER VISION

3D sensors generate dense 3D point clouds which are processed by sophisticated computer vision software that can dimension boxes/parcels AND irregular shape items.



ADVANCED IMAGE PROCESSING

Rich image information generated with each scan: (a) virtual box projected on scanned item, (b) scanned item with background subtracted, and (c) entire scene.



ANDROID 10 OS

Leverage existing Android native apps, Android browsers and web applications by running them on the M2's Android 10 OS.



INSTANT 3D DATA PROCESSING

3D dimensions are generated in the M2 from scanned 3D models in 1/10th of a second, by our highly optimized C++ computer vision code. Slash dimension task cycle time.



CONSTANT SELF CALIBRATION

M2 continually checks internal sensor temperature and applies constant calibration in real-time to provide consistent performance.



SOFTWARE FEATURES

While the QBOID M2 Perceptor Dimensioner hardware is unique in the industry, QBOID also invests heavily in specialized computer vision software as well as workflow related software to optimize the M2's enterprise ROI and productivity gains

REAL-TIME ASSISTANT

Using real-time augmented reality overlay, the M2 highlights items found in the video preview, identifying and validating that the item can be dimensioned.

QR CODE CONFIG

Via a single QR Code scan, any M2 app setting can be configured. Instantly reconfigure the M2 as needed for different workflow and uses cases.

CUSTOMIZED ATTRIBUTE CAPTURE

Four soft keys on the main page can be configured as custom optional attributes to capture during a dimensioning task. All attributes captured are saved and sent via Wi-Fi API.

BARCODE WEDGE CAPABILITY

Send selected special characters as key strokes.

POWERFUL API

Simple HTTPS REST API immediately uploads JSON scan results securely and in real-time over Wi-Fi, and an Android Intent API allows the dimensioning workflow to be integrated into web and Android applications.

CONNECT TO PERIPHERALS

The M2 can connect to relevant peripherals. For example, certain Bluetooth industrial scales can already be paired with the M2 for convenient digital weight capture.

1D-2D BARCODE SCAN ENGINE

6" TOUCHSCREEN

IP-65 RATING

TWO 3D + ONE RGB SENSORS

ACTIVE COOLING

USB-C FAST CHARGE

19WH HOT SWAP REMOVABLE BATTERY

iIMAGE S S.p.a.
Tel: +39 031 74.65.12
Mail: qboid@imagesspa.it

iIMAGE S spa Leader nella distribuzione di componenti per sistemi di visione