M2 MOBILE DIMENSIONER

ACCURATE AND FAST DIMENSIONING FOR PRODUCTS, PARCELS & PALLETS

QBOID is the first, truly mobile, handheld dimensioning solution for warehouse and supply chain operations.

The flexible solution can be used to capture dimensions of items, including cube and irregular shapes, parcels and pallets, and integrate with common scales or the QBOID Perceptor S1 accessory to capture weight. QBOID customers save thousands of labor hours replacing manual dimension capture techniques or replace legacy, inflexible and costly static dimensioners.

> "We couldn't optimize our shipping rates because we didn't have weights and dimensions. We were able to capture them for 10,000+ products in under two weeks."
>
> Shana Rowlette, CFO, Mann Lake

WORKFLOWS SUPPORTED

- Capture or validate dimensions of all items during the receiving process driving downstream increased cube utilization and decreased shipping costs
- Optimize putaway and slotting with item dimensions to increase cube utilization by maximizing bin and rack utilization
- Leverage automation and robotics like ASRSs, VLMs and robotic pickers driven by accurate item dimensions
- Drive massive cost savings and efficiency gains by being able to leverage cartonization and packing algorithms based on item dimensions
- Get accurate dimensions and images of parcels and pallets leaving the warehouse for shipping optimization and freight audit and reconciliation processes
- Write back data item, parcel and pallet dimensions to a source system like an ERP, WMS or TMS
- And much more!

3 EASY STEPS



Scan the item, parcel or pallet barcode



Take a picture to get dimensions



Save results to QBOID Cloud or another system (WMS, ERP, TMS, etc)

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perceptor™ m2



KEY SPECIFICATIONS

Cuboidal Accuracy	+/- 5mm
Irregular Accuracy	+/- 10mm
Size	6.9 x 1.4 x 3.6 inches
Weight	440 grams
Processor	Qualcomm SDM660
3D Sensor 1	Structured Light 850nm
3D Sensor 2	Time of Flight 940nm
Barcode scan engine	Zebra SE4100 1D-2D Scanner
RAM	4GB
Flash Memory	64GB
Display	5.99" capacitive touchscreen
Touchscreen	7H Hardness - Finger/Glove Touch Support
Active cooling	Ultra-compact 15K RPM micro fan
External Connector	USB 3.0 Type C OTG Port
Speaker	103db at 10cm
Battery	5000 mAh (Certifications : UL/UN38.3/MSDS)
Wireless	802.11 a/b/g/n/ac/d/h/i/r/k/v/w 2.4GHz/5GHz, 2x2 MU-MIMO
Bluetooth	5.0 BLE, Class 2
GPS	Available on future LTE models
IMUA	Accelerometer / Gyro / Compass
Other features	Haptic Motor, Light sensor, HDMI
Operating Temp	+5° to 35°C
IP Rating	IP65
Drop Rating	Semi-rugged: 1.0m drop to concrete
ESD Rating	Contact: +/-8kV, Air +/-15kV
Certifications	CE, WEEE, UN38.3, RoHS CA65, IC, FCC Part 15B, Bluetooth SIG

REAL TIME API RECORD UPLOAD

UTC and local time stamp generated for each dim record	2020/01/01 10:05:19
Dim L x W x H result	132 x 131 x 134mm
Barcode 1D / 2D scan read	420950709400 109898642892 605572
Weight (via Blurtooth)	85g
Item shape analysis	Cuboidal, Irregular
Property selections (four customer programmable keys)	FRAG = L1 CASE = YES GLS = YES HZMT = NO
Optional text entry via Android keyboard or additional barcode scan(s)	Case level UPC barcode
Image bundle (optional) ■ Item with dimension box ■ Original scene ■ Item background removed	image  imagecolor  segmentation 