

QBOD M2 Mobile Dimensioner

A handheld that measures boxes, irregular items and pallets where they are.

An Android handheld (model name Perceptor M2) with two 3D sensors, a 13 MP camera and a barcode scanner. One scan records length, width, height, shape (Cuboidal or Irregular), the barcode, three photos (annotated, plain, background removed) and, with a paired scale, the weight. It works offline and sends each record over Wi-Fi to QBOD Cloud or straight to the customer's WMS, ERP or TMS.



±0.25 in

(5 mm) cuboid items, scanned top-down

±0.5 in

(10 mm) irregular items, as a bounding box

0.5–40 in

item size, Item & Parcel app

3–8 ft, ±1 in

pallets and large items, Pallets app

About 8 h

battery, hot-swappable

M2 specifications

Sensors	Two 3D sensors (structured light, time-of-flight), 13 MP color camera, 1D/2D barcode scan engine	Connectivity	Wi-Fi; Bluetooth for scales and accessories; works fully offline
Platform	Android 10, over-the-air updates; 6 in touchscreen; runs other Android apps	Build	IP65, active cooling; 440 g (15.5 oz); 5–35 °C (41–95 °F)
Battery	5000 mAh (19 Wh), hot-swappable, about 8 hours; USB-C fast charge	Scan distance	More than 18 in from the item
Custom keys	Four, for the customer's own fields, e.g. Damaged, Hazmat	Not for	Transparent or shiny, mirror-like surfaces; direct sunlight

Apps that run on the M2

Item & Parcel app

Boxes, parcels and irregular items: dimensions, weight, barcode and photos. Includes S1 mode.

Pallets app

Pallets, crates and long boxes from photos of 2 to 4 sides, with a photo of each face for the BOL.

WorkFlows

Native Android apps built from a plain-English description; adds calipers, tape measures, any scale.

QBOD Cloud Basic and Pro

Every scan and its photos in a browser; filter and export; US or EU region. Pro adds the REST API, auto refresh and data edits.

Integration

Perceptor API	Each scan as JSON over HTTPS to any endpoint
Android Intents	The customer's own app calls dimensioning
QBOD Cloud	XLS or ZIP export; REST API with Cloud Pro
WorkFlows	No code: WMS, ERP, TMS, HTTPS, email, Sheets

INTEGRATION PARTNERS

RF-SMART · NetSuite The Config Team / PreBilt · SAP
 IFS Softeon ShipHawk RateLinx ShipLinx Paccurate
 Pinnacle · LTL Flow Manhattan WMS · via WorkFlows
 NetSuite + MyCarrier · via WorkFlows

How to describe it say this, not that

QBOD M2 Mobile Dimensioner	not "M2 Mobile Perceptor"
Item & Parcel app, Pallets app	not "Parcel App"
WorkFlows	not "AI Workflows app"

S1 Accessory model Perceptor S1

Benchtop station for the M2. **Hands-free:** a barcode scan triggers dimensions, weight and photos in one shot, with no screen taps.

- Items up to 32 × 24 in and 150 lb (70 kg), built-in scale
- ±0.25 in cuboid, ±0.5 in irregular; one item every 3–5 seconds
- Wireless 1D/2D barcode scanner included
- Same record as the handheld M2: integrations work unchanged

Accessories

Bluetooth scale kits (Mettler Toledo BC-60, Rice Lake BenchPro BP-1214), spare batteries, 4-bay charger, rubber case; calipers and tape measures through WorkFlows.

Buying model

- M2:** one-time purchase per device.
- App licenses** (Item & Parcel, Pallets, WorkFlows): annual, per device, 12-month minimum, billed in advance.
- QBOD Cloud Basic** is free with any app license. **Pro** is an optional annual subscription that covers the whole M2 fleet.
- S1 Accessory** and accessories: one-time purchase. S1 mode is in the Item & Parcel app license.
- Evaluation units:** rent an M2 with an app from the QBOD Store.
- Warranty:** 12 months from shipment, on units bought from QBOD or an authorized reseller.

±0.25 in on cuboid items	irregular items: ±0.5 in
Works offline	QBOD Cloud is optional
Perceptor M2, Perceptor S1	model names only