BCW12

2D Wireless Barcode Scanner

2D IMAGER · BLUETOOTH · 2.4G · USB-C · 2500 MAH



AT A GLANCE

80 m
2.4G wireless range

30 h
Run time per charge

2500 mAh
Replaceable battery

5000 +
Offline scans

- **Reads 1D, 2D and screens**
  Dense, damaged and low-contrast codes on paper or phones.
- **Bluetooth · 2.4G · USB-C**
  Three ways to connect, one scanner.
- **Up to 80 m range**
  2.4 GHz wireless; 15 m on Bluetooth.
- **Auto-pairing cradle**
  Drop it in – it pairs and charges by itself.
- **30 hours per charge**
  2500 mAh battery, replaceable in seconds.
- **Batch mode**
  Stores 5,000+ scans when out of range.
- **Beep, LED and vibration**
  Clear feedback in noisy or dim places.
- **Wide scan angles**
  Skew ±70°, pitch ±55°, roll 360°.


Reads phone screens


Charging cradle


Ergonomic grip

BlackCopper
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A Taiwan brand

BLACK COPPER
Upgrades network

THIS MODEL

BCW12
Bluetooth · 2.4G · USB-C

640 × 480
CMOS imager

IP52
Sealing

215 g
Scanner weight

USE WITH

POS terminals
Keyboard input – works with any POS software

Label printers
BlackCopper BC-LP series for matching barcodes

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Specifications

BCW12 · 2D wireless scanner

GENERAL

Brand	BlackCopper
Model	BCW12
Scanner type	2D area imager, handheld
Connectivity	Bluetooth, 2.4 GHz wireless, USB-C wired
Colour	Black
In the box	Scanner, charging cradle with cable

SCAN PERFORMANCE

Image sensor	640 × 480 CMOS
Illumination	White LED
Aiming	Red LED
Scan angle	Skew ±70° Pitch ±55° Roll 360°
Field of view	D 53°, V 33°, H 43°
Resolution	1D ≥ 4 mil 2D ≥ 7 mil
Min. symbol contrast	≥ 10%
Reads from screens	Yes

SYMBOLOGIES

1D	EAN-13, EAN-8, UPC-A, UPC-E, Code 128, ISBT 128, Code 39, Code 32, Code 93, Codabar, Industrial 2 of 5, ITF-25, Matrix 2 of 5, Standard 2 of 5, Code 11, Plessey, GS1 DataBar, Telepen, BC412, China Post, Pharmacode, MSI, FEBRABAN
2D	QR Code, Micro QR, PDF417, Micro PDF417, Aztec, Data Matrix, Han Xin, MaxiCode, Grid Matrix, DotCode, Codablock A, Codablock F
Composite	GS1 Composite

DEPTH OF FIELD

EAN-13, 5 mil	20–120 mm
QR Code, 15 mil	10–160 mm
EAN-13, 13 mil	10–230 mm

WIRELESS & BATTERY

Wireless range	≥ 80 m (2.4 GHz) ≥ 15 m (Bluetooth)
Modes	Instant and batch
Offline storage	≥ 5,000 Code 128 scans (20 characters)
Battery	2500 mAh, replaceable
Charging time	≤ 5 hours
Run time	Up to 30 hours per charge

ELECTRICAL

Charging input	5 V DC ±5% (USB-C)
Operating current	320 mA typical 340 mA max. (3.7 V DC)
Standby current	40 mA (3.7 V DC)
Power consumption	1184 mW typical

PHYSICAL & ENVIRONMENT

Dimensions	176 × 68.2 × 72.2 mm
Weight	215 g
Feedback	Beep, LED and vibration
Keyboard layouts	33 country layouts
Operating	0–40 °C 5–95% humidity, non-condensing
Storage	−20–60 °C
Sealing	IP52
ESD	±15 kV air, ±8 kV contact (EN 61000-4-2)
Ambient light	0–100,000 lux
LED safety	IEC 62471

IN THE BOX

1. BCW12 scanner
2. Charging cradle
3. Cradle cable
4. 2500 mAh battery (installed)

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