BC2100

2D Wired Handheld Barcode Scanner

2D IMAGER · USB PLUG & PLAY · IP52 · 160 G



AT A GLANCE

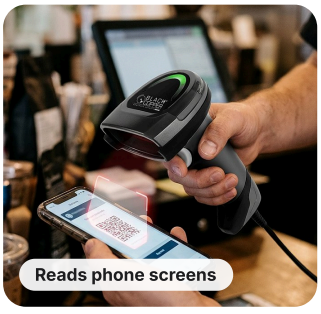
640 ×480
CMOS imager

230 mm
Max. reading distance

2 M
Trigger presses

160 g
Weight

- **Reads 1D, 2D and screens**
  Dense, damaged and low-contrast codes on paper or phones.
- **Plug and play USB**
  No drivers – Windows, Mac, Android and Linux.
- **Wide scan angles**
  Skew ±70°, pitch ±55°, roll 360°.
- **10–230 mm working range**
  From tiny QR codes to wide 1D labels.
- **Beep, LED and vibration**
  Clear feedback in noisy or dim places.
- **IP52 sealed**
  Dust and splash protected housing.
- **2 million-press trigger**
  Built for years of busy shifts.
- **Light 160 g grip**
  Comfortable for all-day scanning.


Reads phone screens


Wide 2D window


Ergonomic grip

BlackCopper
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A Taiwan brand

BLACK COPPER
Upgrades network

THIS MODEL

BC2100
USB · plug and play

640 × 480
CMOS imager

IP52
Sealing

160 g
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

BC2100 · 2D wired scanner

GENERAL

Brand	BlackCopper
Model	BC2100
Scanner type	2D area imager, handheld, wired
Interface	USB (USB-C port on scanner)
Colour	Black
In the box	Scanner, USB 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

ELECTRICAL

Input voltage	5 V DC ±5%
Operating current	300 mA typical 340 mA max.
Standby current	30 mA
Power consumption	1500 mW typical

PHYSICAL & ENVIRONMENT

Dimensions	176 × 68.2 × 72.2 mm
Weight	160 g
Feedback	Beep, LED and vibration
Keyboard layouts	24 country layouts
Trigger life	≥ 2 million presses
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. BC2100 scanner
2. USB cable

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