

# / DELFI B20

## BLUETOOTH RING SCANNER



### FEATURES

- Ergonomic, lightweight, non-slip design, and support 180° rotation
- 380 mAh lithium polymer battery, 5 hours of sustainable use
- Read all common 1D/2D barcodes from paper and electronic screens
- Bluetooth is compatible with 4.0 standard, working range up to 30 meters
- Support offline storage for about 3000 barcodes
- Compatible with iOS, Android, Windows devices (such as computers, smartphones, tablets, etc.)

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## BLUETOOTH RING SCANNER

### TECHNICAL SPECIFICATIONS

#### WORKING RANGE

30 m(line of sight)

#### RADIO LINK

2.4 GHz, Bluetooth4.0, Class1.5

#### INTERFACE

Bluetooth: HID keyboard, SPP, BLE | USB: USB HID keyboard, USB virtual COM

#### DATA STORAGE

6 KB for out of range batch: 375 barcodes(each barcode is of 15 bytes)

52 KB for data batch mode: 3250 barcodes(each barcode is of 15 bytes)

#### KEYBOARD LAYOUT

USA, Turkish F/Q, French, Italian, Spanish, Slovak, Denmark, Japanese, German

#### DIMENSIONS

Length×Width×Depth: 52.6 mm × 36 mm × 47 mm

#### CASE MATERIAL

ABS+PC

#### WEIGHT

40 g

#### INDICATOR

Beeper LED, Vibrator

#### PROGRAMMING METHOD

Manual(reading special barcode)

#### FIRMWARE UPGRADE

Online via USB interface

#### INPUT VOLTAGE

4.75-5.25 V

#### OPERATING CURRENT

sleeping: 14 mA, working: 46 mA(Bluetooth On), scanning: 460 mA(Bluetooth On)

#### BATTERY

380 mAh Lithium-ion battery, Charge current 400mA, Fully charged in 1 hour

#### WORKING TIME

Standby time: 48 hours, Operating time: 5 hours, based on 1 scan/5 seconds

#### SCAN ENGINE

ME5800

#### LIGHT SOURCE

white LED, 2700K

#### TARGET LIGHT SOURCE

green LED, wavelength 525 nm

#### IMAGE SIZE

1280×800 pixels

#### FIELD ANGLE

Horizontal: 42°, vertical: 26.5°

#### SCANNING ANGLE

30 m(line of sight) ±70°, ±72°, ±360°(Skew, Pitch, Roll)

#### MINIMUM RESOLUTION

1D: 4mil Code 39, 2D: 6.7mil PDF417

#### DECODE CAPABILITY

1D: UPC-A, UPC-E, EAN-13, EAN-8, ISBN/ISSN, Code 39, Code 39 full ASCII, Code 32, Trioptic Code 39, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, Codabar(NW7), Code 128, Code 93, Code 11(USD-8), MSI/Plessey, UK/Plessey, UCC/EAN 128, China Post, China Finance, GS1 DataBar(formerly RSS)variants  
2D: PDF417, MicroPDF417, QR code, DataMatrix, Han Xin Code, Aztec Code

#### DECODING DEPTH

4mil Code 128, (9 bytes)	85–145mm
10mil Code 39 (3 bytes)	30–310mm
13mil UPC (6 bytes)	25–330mm
20mil Code 39 (1 bytes)	30–485mm
6.7mil PDF417 (20 bytes)	75–190mm
10mil QR (20 bytes)	48–190mm
10mil DM (20 bytes)	50–185mm
20mil QR (20 bytes)	20–390mm

#### TEMPERATURE

working: -15°C to 50°C(5°F to 122°F), storage: -20°C to 60°C(-4°F to 140°F)

#### HUMIDITY

5% to 95%(non-condensing)

#### SAFETY

Laser safety: EN60825-1, Class 1  
Electrical safety: EN60950-1  
Protection class: IP50  
EMC: EN55022, EN55024  
Illumination: 0 to 100000LUX  
Environmental: RoHS compliant