

BUILT-IN DISPLAY · 2.4G 80 M / BLUETOOTH 5.4 · 20,000-CODE MEMORY · 2000 mAh BATTERY

XL-YP20

2D Wireless Barcode Scanner with Display

800 × 600 CMOS

1D ≥ 3 mil / 2D ≥ 7.5 mil

2.4G 80 m

Bluetooth 5.4

Built-in display

2000 mAh

01 Built-In Display

Battery, clock, link mode, last code, stored count and scanned count on screen; LED, buzzer and vibration confirm every read.

02 Dual Wireless, Long Range

Enhanced 2.4G reaches 80 m in open air; Bluetooth 5.4 covers 20–30 m with HID / SPP / BLE, and wired USB works without switching.

03 Storage Mode, Works Offline

Sync mode uploads as you scan; storage mode holds 20,000 codes so the scanner keeps working off the host and uploads on reconnection.

04 Three Modes, All-Day Power

Manual, continuous and sensor modes for checkout and stocktaking; 2000 mAh gives 6–7 h of scanning and 90+ days standby.



Cradle and cable



Display and keys

TYPICAL VERTICALS

Mobile payment, coupon redemption, **chain retail, express delivery and supermarkets, manufacturing, warehousing and logistics**, inventory management, food traceability, meter reading, asset checks and healthcare.

XL-YP20 2D Wireless Barcode Scanner with Display

PRODUCT FEATURES

- Built-in display** — battery, clock, link mode, last code and counts
- Storage mode** — 20,000 codes held offline and uploaded later
- 2000 mAh battery** — 4–5 h charge, 6–7 h scanning, 90+ days standby

READING PERFORMANCE

Image Sensor	800 × 600 CMOS, global shutter
Resolution	1D ≥ 3 mil · 2D ≥ 7.5 mil
Field of View (FOV)	43° (H) × 33° (V)
Pitch / Skew / Tilt	±60° / ±60° / ±360°
Print Contrast Signal (PCS)	≥ 15%
Depth of Field (DOF)	40–690 mm Depending on code size
Decode Speed	60 FPS
Ambient Light Immunity	Dark room to indoor daylight
Trigger Mode	Manual / continuous / sensor
User Indicators	LED, buzzer and vibration

SUPPORTED SYMBOLOGIES

1D	Code 128, Code 39, Code 93, EAN-13, EAN-8, UPC-E (E0/E1), ISBN-13, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, GS1 DataBar (RSS-14), RSS Limited, RSS Expanded, Codabar, MSI Plessey, Code 11, Standard 2 of 5, Plessey, ChinaPost 2 of 5
2D	QR Code, Micro QR, Data Matrix, PDF417, MicroPDF417, Aztec, HanXin, MaxiCode, Code 16K

- Dual wireless** — 2.4G to 80 m, Bluetooth 5.4 to 30 m
- Three scan modes** — manual, continuous and sensor
- Triple feedback** — LED, buzzer and vibration

WIRELESS

Host System Interfaces	USB (USB-KBW, USB-POS, USB-COM), 2.4G, Bluetooth (HID, BLE, SPP)
Wireless Standard	2.4 GHz ISM band, Bluetooth 5.4
Wireless Range	2.4G ≥ 80 m Bluetooth 30 m Open air
Memory	20,000 codes Sync / storage mode
Battery	2000 mAh
Battery Life	4–5 h charging / 6–7 h scanning / ≥ 90 days standby
OS Support	Windows, macOS, iOS, Linux, Unix, Android

ELECTRICAL & PHYSICAL

Input Voltage	DC 5 V
Operating Current	200 mA average
Connector	USB Type-B, 1.5 m cable
Dimensions	159 × 90 × 75 mm Packaging 194 × 93 × 84 mm
Weight	190 g net / 280 g gross Without cable

ENVIRONMENTAL

Operating Temperature	0 °C to +50 °C
Storage Temperature	–30 °C to +60 °C
Humidity	5–95% RH, non-condensing
Warranty	2 years

HOST INTERFACE

Wired USB (USB-KBW, USB-POS, USB-COM), 2.4G through the cradle, or Bluetooth 5.4 in HID, BLE or SPP — pair once and switch as needed.

CRADLE & DISPLAY

The cradle carries data and charging; the screen shows link mode, battery, clock, last code and running counts.

POWER

2000 mAh battery: 4–5 h to charge, 6–7 h of continuous scanning, 90+ days on standby in sleep mode.