

PX720 SERIES

Industrial Scanner with Intelligent Decoding

Industrial data capture for printed, inkjet and direct part marking (DPM) codes

Built-in OLED display | Flexible corded and cordless configurations

- 1280 x 960 global shutter, up to 60 FPS
- Switchable red / blue direct light; red diffuse light
- HHD: minimum code resolution of 2 mil
- Bluetooth 5.0, 70 m range in open areas
- Cordless: 8 h continuous / 15 h intermittent use
- IP52; withstands 50 drops from 1.5 m



Cordless | Front-side view



Cordless | Front view



Cordless + Cradle

Product images are renderings. Actual product details may vary.

OLED

Built-in display

2 mil

HHD fine-code reading

3000 mAh

Cordless battery capacity

70 m

Range in open areas

Clear feedback | Flexible connectivity | Reliable industrial traceability

1 Cordless specifications; battery life and range depend on operating conditions. 2 The 2 mil specification applies to HHD; decoding varies with symbology and distance.

Product Features

Reliable decoding of challenging codes

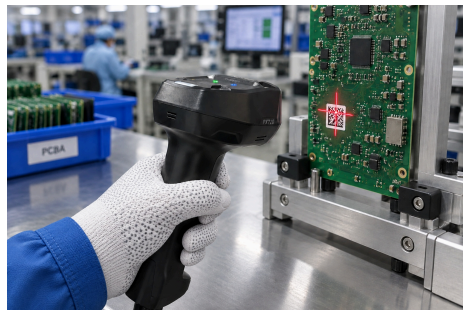
Optimized for low-contrast, distorted and damaged barcodes. Reads printed, inkjet and DPM codes.

Flexible lighting, clear feedback

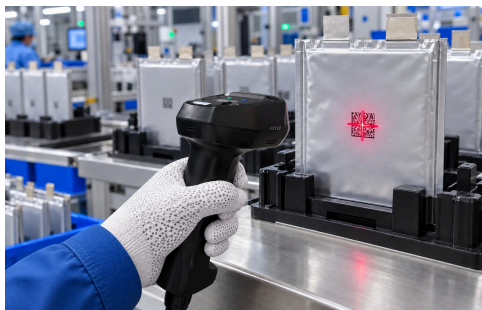
Red / blue direct light and red diffuse light. OLED, RGB indicators, audible and vibration feedback.

Corded / cordless deployment

USB or Ethernet / RS232 options. Cordless models use a communication cradle for mobility and system connectivity.



Electronics assembly traceability



Battery production traceability



Warehousing, logistics and picking

Technical Specifications

Configuration	Corded USB	Corded ES	Cordless + USB Cradle	Cordless + ES Cradle
Symbologies	2D: Data Matrix (ECC 200), QR Code, GS1 DataMatrix, GS1 QR Code, PDF417 1D: Code 39, Code 93, Code 128, EAN-13, EAN-8, UPC-A, UPC-E, Interleaved 2 of 5			
Sensor / Frame rate	1280 x 960 global-shutter CMOS; up to 60 FPS; 3.0 µm pixel size; 1/4-inch sensor			
Optics	SR / HD: 4.7 mm, FOV H 40° / V 30°; HHD: 6.7 mm, FOV H 25° / V 19°			
Angles / Contrast / Resolution	Pitch ±60°; skew ±60°; roll 360°; symbol contrast 20%; SR 5 mil / HD 3 mil / HHD 2 mil			
Typical depth of field (mm)	SR: DM 10 / 20 mil: 10-200 / 10-390; QR 10 / 20 mil: 10-215 / 10-390; Code 128 5 / 10 mil: 40-170 / 30-330 HD: DM, QR 5 / 10 mil: 20-65 / 5-115; Code 128 3 / 10 mil: 25-70 / 20-155 HHD: DM 2 / 5 mil: 5-25 / 5-45; QR 5 mil: 5-45; Code 128 3 mil: 5-40			
Bluetooth / Range	-	-	BT 5.0 / BLE 70 m (open area)	BT 5.0 / BLE 70 m (open area)
Interfaces	USB	100 Mbps Ethernet RS232	USB	100 Mbps Ethernet RS232
Protocols	USB HID / CDC	TCP/IP, EtherNet/IP, PROFINET, Modbus TCP, MC, RS232	USB HID / CDC	TCP/IP, EtherNet/IP, PROFINET, Modbus TCP, MC, RS232
Battery / Runtime	-	-	3000 mAh 8 h cont. / 15 h intermittent	3000 mAh 8 h cont. / 15 h intermittent
Charging time (powered off)	-	-	USB 2.0: approx. 7 h 12 V DC: approx. 4 h	USB 2.0: approx. 7 h 12 V DC: approx. 4 h
Power supply	USB 5 V 12-24 V DC (optional)	12-24 V DC	Scanner: 3.8 V DC battery Cradle: USB 5 V; 12-24 V DC (optional)	Scanner: 3.8 V DC battery Cradle: 12-24 V DC (optional)
Max. power consumption	2 W @ USB 5 V	2 W @ 12-24 V DC	Scanner: 2 W @ 3.8 V DC Cradle: 6.5 W @ 12-24 V DC	Scanner: 2 W @ 3.8 V DC Cradle: 6.5 W @ 12-24 V DC
Ambient light / Illumination	0-100,000 lux; direct light: switchable red / blue (UV optional); diffuse light: red			
Aiming / Feedback	Red laser; RGB indicators, OLED display, buzzer and vibration motor			
Protection / Reliability	IP52; 50 drops from 1.5 m; button life: 100,000 actuations			
Temperature / Humidity	Operating: -10°C to +45°C; cordless charging: 0°C to +40°C; storage: -30°C to +70°C; 20%-80% RH, non-condensing			
Dimensions (mm)	Corded scanner: 72.2 x 84.1 x 188.4; cordless scanner: 72.2 x 84.1 x 180.4; cradle: 105.6 x 130 x 76.4			
Certifications	CE, FCC, RoHS (as listed in the reference product documentation)			

Specifications are compiled from the corresponding reference product manuals. Corded / cordless, SR / HD / HHD, interfaces and lighting depend on the selected configuration. Charging conditions: USB 2.0 at 5 V / 0.5 A; DC at 12 V / 1 A. Depth of field, battery life and range depend on actual conditions. Confirm ordering models and options when placing an order. Product and application images are renderings.