

High-Performance
High-Speed Handheld Scanner

Puxon
INTELLIGENT TECHNOLOGY

PX200 SERIES

Industrial 2D Area Imager

Plug-and-play scanning for manufacturing, logistics,
warehousing and general industrial applications.



Reliable Reads
of Difficult Codes



Plug and Play



Multi-OS
Compatibility



Global Shutter



2 m/s
Motion Tolerance

One Scanner for Industrial Applications

Product Features

Industrial decoding for challenging barcodes

Reads 1D, 2D and common stacked codes, including blurred, low-contrast and damaged barcodes, across a wide range of industrial applications.

Global shutter and high-speed decoding

High-performance imaging delivers fast response and stable motion tolerance for continuous work on production lines and in warehouses and logistics.

Designed for demanding industrial environments

ESD protection and interference resistance support stable, continuous operation in factories, warehouses and logistics facilities.

Ergonomic grip for extended use

A stable, comfortable grip and responsive trigger reduce hand fatigue during long shifts and frequent scanning.

Flexible interfaces, easy integration

USB HID, USB COM and RS-232 connect easily to industrial terminals, PCs, POS systems and other industry equipment.



Technical Specifications

Scanning Performance	PX200HD	PX200XHD
Illumination	White LED	White LED
Aiming	Green dot	Green dot
Image Sensor	640 x 480 pixels (global shutter)	1280 x 800 pixels
Frame Rate	120 fps	60 fps
Processor	1.2 GHz dual-core	1.2 GHz dual-core
Min. Resolution	3 mil	3 mil
Min. Print Contrast	20% reflectance difference	20% reflectance difference
Motion Tolerance	2 m/s	/
Field of View	Horizontal 50°; vertical 38°	Horizontal 50°; vertical 38°
Reading Angles	Roll: 0-360°; skew: ±60°; pitch: ±60°	

Supported Symbolologies	1D: Auto-discrimination of all standard linear barcodes, including GS1 DataBar. 2D: Aztec Code; Data Matrix; MaxiCode; QR Code; Han Xin; Micro QR Code. Stacked: GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; GS1 DataBar Composite; MicroPDF417; PDF417.	
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User Indicators	Good-read LED; beeper with adjustable tone and volume	
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Depth of Field	Density	Symbology	Read Range	Density	Symbology	Read Range
Minimum read distance depends on barcode length and scan angle. Performance varies with print resolution, contrast and ambient light.	3.34 mil	Code 128	40-80 mm	3.34 mil	Code 128	80-160 mm
	5 mil	Code 128	35-135 mm	5 mil	Code 128	80-210 mm
	3.34 mil	EAN-13	40-80 mm	3.34 mil	EAN-13	80-160 mm
	5 mil	EAN-13	30-105 mm	5 mil	EAN-13	80-220 mm
	13.34 mil	EAN-13	30-290 mm	13.34 mil	EAN-13	60-290 mm
	5 mil	PDF417	35-105 mm	5 mil	PDF417	70-210 mm
	15 mil	QR Code	20-155 mm	10 mil	QR Code	50-210 mm
	10 mil	Data Matrix	30-140 mm	10 mil	Data Matrix	50-200 mm
	20 mil	QR Code	30-265 mm	20 mil	QR Code	20-300 mm

Electrical	
Current (Nominal)	Operating: <280 mA; standby / idle: <130 mA
Input Power	5 VDC (±10%) / 500 mA

Environmental	
ESD Protection	±8 kV contact; ±15 kV air
Drop Resistance	Repeated 1.5 m drops to concrete
Storage / Shipping	-40 to 70 °C
Operating Temp.	-10 to 50 °C
Humidity	5-95% RH, non-condensing
Ambient Light	0-100,000 lux

Host Interfaces	
RS-232; USB HID; USB COM; HID POS, to suit application needs	

Data / OS Support	Multilingual output; direct Chinese and invoice data input; Windows, Linux and iOS; data editing.	Multilingual output (see manual); direct Chinese and invoice data input; Chinese output on Windows / Linux; simultaneous prefix / suffix insertion and removal.
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Other	18-month warranty; Bluetooth wireless (optional)	
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