

4230

Cordless General Purpose 2D Imager

The 4230 cordless area imager from Honeywell combines the versatility of area imaging with the speed and convenience of cordless operation. Powered by Adaptus™ Imaging Technology 5.0 and a Bluetooth v1.2 radio, the 4230 is a reliable, fast, and cost-effective cordless solution.

Current and future manufacturing and commercial applications involve much more than linear bar codes. EAN-UCC Composite codes are beginning to appear in food stores, PDF417 codes are used for ID badges, Data Matrix codes are used to track parts in the supply chain, and postal bar codes are used to sort mail. The omni-directional reading capability of the 4230 allows fast and easy reading of all these codes and many future codes as they appear. Simply point and shoot. There's no alignment or moving motors like many other scanners.

The 4230 excels wherever cables impede an operator's mobility. In applications that require hand scanning of large or bulky items, scanner cables limit operator mobility. At the point of sale, operators often reach, stretch, twist, pull, and bend around their POS environment to read a bar code. With 100 feet (30.5 meters) of radio range, the 4230 system improves operator mobility and greatly reduces the amount of effort required to read a bar code or capture an image.

Whether capturing a signature as proof of delivery or taking a picture for identification, image capture is an important part of current and future solutions. The Adaptus Imaging Technology 5.0 powered 4230 is equipped with Honeywell's fifth generation imaging for best-in-class image quality and image transfer speed, all for a very economical investment. Image capture is becoming a mainstream application requirement. Trust Honeywell to provide the industry's best imaging solution.



Features

- **Ergonomic Design:** Linear imager performance, with the versatility of area imaging all in a small, sleek housing.
- **Bluetooth® v1.2 Cordless Radio:** Industry standard recognized for providing 100 feet (30.5m) range and immunity to RF interference from other radio devices.
- **Seamless RF Coexistence:** Bluetooth v1.2 protocol minimizes the interference potential with other RF communication systems.
- **Reads Codes Omnidirectionally:** Linear, PDF417, and 2D Matrix codes read in any direction with class-leading depth of field and snappiness.
- **Intelligent Aiming Options:** Distinctive green aimer provides superior illumination contrast and makes image capture applications fast and intuitive.
- **Lithium Ion Battery:** Provides over 50,000 reads per charge, charges in less than 4 hours, and can be charged within the reader or in a separate charger.

4230 Specifications

Performance

Aiming (Green LED):	526nm ±30nm
Image:	752x480. Binary, TIFF, or JPEG output.
Working Range (from window):	

SR	8.3 mil Linear (.021cm)	13 mil UPC (.033cm)	6.6 mil PDF417 (.017cm)	10 mil PDF417 (.025cm)	15 mil Data Matrix (.038cm)	15 mil QR Code (.038cm)
Near	3.5 in. (8.9cm)	2.1 in. (5.3cm)	4.5 in. (11.4cm)	3.1 in. (7.9cm)	2.3 in. (5.8cm)	3.1 in. (7.9cm)
Far	7.6 in. (19.3cm)	13.2 in. (33.5cm)	6.2 in. (15.7cm)	9.0 in. (22.9cm)	10.2 in. (25.9cm)	8.8 in. (22.4cm)
SF	7.5 mil Linear (.019cm)	13 mil UPC (.033cm)	6.6 mil PDF417 (.017cm)	10 mil PDF417 (.025cm)	8.3 mil Data Matrix (.021cm)	8.3 mil QR Code (.021cm)
Near	2.5 in. (6.4cm)	2.0 in. (5.1cm)	2.8 in. (7.1cm)	2.2 in. (5.6cm)	3.4 in. (8.6cm)	3.3 in. (8.4cm)
Far	6.5 in. (16.5cm)	8.9 in. (22.6cm)	6.0 in. (15.2cm)	7.6 in. (19.3cm)	5.7 in. (14.5cm)	5.4 in. (13.7cm)
HD	5 mil Linear (.013cm)	13 mil UPC (.033cm)	6.6 mil PDF417 (.017cm)	10 mil PDF417 (.025cm)	6.7 mil Data Matrix (.017cm)	6.7 mil QR Code (.017cm)
Near	2.4 in. (6.1cm)	2.1 in. (5.3cm)	2.1 in. (5.3cm)	1.9 in. (4.8cm)	2.9 in. (7.4cm)	2.8 in. (7.1cm)
Far	4.3 in. (10.9cm)	6.7 in. (17.0cm)	5.0 in. (12.7cm)	5.8 in. (14.7cm)	4.0 in. (10.2cm)	3.9 in. (9.9cm)

Pitch/Skew Angle:	±40°
Horizontal Velocity:	4 in. (10 cm) per second
Agency:	FCC Class B, CE EMC Class B, CE Low Voltage Directive, IEC60825-1 LED Safety: Class 1, C-Tick N10410

Symbologies

2 Dimensional:	PDF417, MicroPDF417, MaxiCode, Data Matrix, QR Code, Aztec, Code 49, and EAN•UCC Composite
Linear:	Codabar, Code 39, Interleaved 2 of 5, Code 93, Code 128, UPC, EAN, RSS and Codablock
Postal:	Postnet, Planet Code, British Post, Canadian Post, Japanese Post, KIX (Netherlands Post)
OCR Fonts:	OCR-A, OCR-B
Interface:	Bluetooth dongle device.

Mechanical/Electrical

	4230 Scanner	2011 Base
Weight:	7.0 oz. (198.4 g)	8.0 oz. (226.8 g)
Height:	5.3 in. (13.5 cm)	2.4 in. (6.1 cm)

Power Requirements

	4230 Scanner	2011 Base
Input Voltage:	Internal battery	5 VDC ± 5%

Environmental

	4230 Scanner	2011 Base
Sealing:	IP 41 (Water and Dust Resistant)	IP 40 (Dust Resistant)
Operating:	32° to 122°F (0° to 50°C)	32 to 113°F (0° to 45°C)
Storage:	-40° to 140°F (-40° to 60°C)	-40° to 149°F (-40° to 65°C)
Humidity:	Up to 95%, non condensing	Up to 95%, non condensing
Mechanical Shock:	Functional after 25 drops from 5 ft. (1.5 m)	Functional after 50 drops from 3.3 ft. (1 m)

Radio

Frequency:	2.4 to 2.4835 GHz (ISM Band) Frequency-Hopping Bluetooth v. 1.1
Range:	100 ft. (30.5 m) typical
Data Rates:	720 Kbps

Battery (Lithium Ion)

Capacity:	2200 mAh
Number of Scans:	50,000
Expected Hours of Operation:	14 hours @ 1 scan every second
Charge Time at 9 Vac:	4 hours for full charge from full discharge

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Automation and Control Solutions

Honeywell
Imaging and Mobility
700 Visions Drive
PO Box 208
Skaneateles Falls, NY 13153-0208
www.honeywell.com/aidc

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