

## IT4230

### Cordless General Purpose 2D Area Imager



The IT4230 cordless area imager from Hand Held Products combines the versatility of area imaging with the speed and convenience of cordless operation. Powered by Adaptus™ Imaging Technology and a Bluetooth v1.2 radio, the IT4230 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 IT4230 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 IT4230 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 codes. With 100 feet (30.5 meters) of radio range, the IT4230 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 powered IT4230 is equipped with Hand Held Products 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 Hand Held Products to provide the industry's best imaging solution.

To learn how the IT4230 can work for you, contact us at any of the locations listed on the back or visit us at [www.handheld.com](http://www.handheld.com).

#### 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 57,000 reads per charge, charges in less than 4 hours, and can be charged within the reader or in a separate charger.*

## Performance

**Aiming:**  
**Green Aiming LED:** 756nm  $\pm$ 40nm  
**Pitch/Skew Angle:**  $\pm$ 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, UL, cUL listed, 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

### Dimensions

**Weight:** 4.9 oz. (140.0 g)  
**Height:** 5.3 in. (13.5 cm)

### Power Requirements

**Input Voltage:** Internal battery

### Current Draw

### 2011 Base

7.5 oz. (212.6 g)  
 3.0 in. (7.6 cm)  
 4.5 to 12 VDC (host)  
 8.5 to 9.5 brick  
 100 mA (no scanner - from brick)  
 750 mA (charging scanner)

## Environmental

**Sealing:** IP 41 (Water and Dust Resistant)  
**Temperature**  
**Operating:** 32° to 122°F (0° to 50°C)  
**Storage:** -40° to 140°F (-40° to 60°C)  
**Humidity:** 0 to 95%, non condensing  
**Mechanical Shock:** Functional after 25 drops from 5 ft. (1.5 m)

IP 44 (Water and Dust Resistant)  
 -4 to 122°F (-20° to 50°C)  
 -40° to 158°F (-40° to 70°C)  
 0 to 95%, non condensing  
 Functional after 26 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:** 57,000  
**Expected Hours of Operation:** 16 hours @ 1 scan every second  
**Charge Time at 9 Vac:** 4 hours for full charge from full discharge

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## Worldwide Offices

**Offices Serving North America**  
 Skaneateles Falls, NY  
 Tel: +1 315 685 8945  
 or, in North America: +1 800 582 4263  
 napresales@handheld.com  
 Charlotte, NC  
 Tel: +1 704 998 3998  
 or, in North America: +1 800 582 4263  
 napresales@handheld.com

**Offices Serving Europe, Middle East, and Africa**  
 Europe  
 Tel: +31 (0) 40 29 01 600  
 eupresales@handheld.com  
 United Kingdom  
 Tel: +44 (0) 1 925 240055  
 eupresales@handheld.com  
 Italy  
 Tel: +39 (0) 2 67 100752  
 eupresales@handheld.com

**France**  
 Tel: +33 (0) 1 41 158220  
 eupresales@handheld.com  
 Germany  
 Tel: +49 (0) 7 477 151377  
 eupresales@handheld.com  
 Spain  
 Tel: +34 93 228 78 68  
 eupresales@handheld.com

**Offices Serving Asia and the Pacific Rim**  
 Hong Kong  
 Tel: +852 2511 3050  
 appresales@handheld.com  
 Japan  
 Tel: +813 5770 6312  
 appresales@handheld.com  
**Offices Serving Latin America**  
 Naples, Florida  
 Tel: +1 239 263 7600  
 lapresales@handheld.com

**São Paulo**  
 Tel: +55 11 2178 0500  
 lapresales@handheld.com  
**Rio De Janeiro**  
 Tel: +55 21 2178 0500  
 lapresales@handheld.com  
**Mexico**  
 Tel: +52 55 5203 2100  
 lapresales@handheld.com

Web Site Address [www.handheld.com](http://www.handheld.com)

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Due to Hand Held Products' continuing product improvement programs, specifications and features herein are subject to change without notice.

# Information subject to change prior to release