4236
Cordless General Purpose 2D Area Imager

powered by Adaptus imaging technology 5.0

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.

The 4236 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 5.0 and a Bluetooth v1.2 radio, the 4236 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 4236 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 4236 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 4236 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 4236 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 4236 can work for you, contact us at any of the locations listed on the back or visit us at **www.handheld.com**.

4236 Specifications

Bluetooth

Performance

Aiming:
Green Aiming LED: 526nm ±30nm

Image: 752x480. Binary, TIFF, or JPEG output.

Working Range (from window):

4236 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)

4236 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. (8.4 cm)
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)

4236 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	2.4in. (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	4.3in. (10.9cm)	6.7in. (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: ±40º
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

	4236 Scanner	2011 Base
Dimensions		
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		
Input Voltage:	Internal battery	5 VDC ± 5%
Environmental		
Sealing:	IP 41 (Water and Dust Resistant)	IP 40 (Dust Resistant)
Temperature		
Operating:	32º to 122ºF (0º to 50ºC)	32 to 113ºF (0º to 45ºC)
Storage:	-40º to 140ºF (-40º to 60ºC)	-40º to 149ºF (-40º to 65ºC)
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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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
Shanghai
Tel: +86 21 6361 3818
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
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