

## IMAGETEAM™ 4620 SR/SF Cordless Area Imager



powered by  
**Adaptus™**  
imaging technology



## Innovative Wireless 2D Imager

### Features

*Adaptus™ Imaging Technology - Hand Held Products' exclusive brand of imaging technology provides omnidirectional reading of linear, PDF417, and Matrix bar codes, plus image capture. All features are well suited to cordless applications where improved efficiency and ergonomics are primary goals.*

*Bluetooth® v1.2 Class 2 Radio - Developed to reduce interference in existing RF backbones, including 802.11. Only v1.2 uses Adaptive Frequency Hopping (AFH) to mitigate data collisions in the 2.4 GHz frequency band, while providing a 33 foot (10m) working range.*

*Unique Base Design offers the following features:*

- *A minimal footprint that is up to 33% smaller than major competitors' products, simplifying installation and leaving more counter space for customer service or other application needs.*
- *Presentation scanning with a docked imager for efficient, hands-free bar code reading.*
- *Host-powered interface and RF link; an exclusive Hand Held Products feature that extends the mobile capabilities of the IT4620 by drawing power from a portable device for radio and host communications.*

*Battery - A long lasting, high capacity lithium ion battery provides 57,000 scans per full charge with no conditioning required. The battery is field-replaceable.*

*Durable - Hand Held Products' solid state, no-moving-parts imager design withstands more than fifty 6 foot (1.8m) drops to concrete.*

*2005 Sunrise Compliant*

Hand Held Products' IMAGETEAM 4620 (IT4620) combines exclusive Adaptus Imaging Technology with Bluetooth wireless connectivity to provide a truly unique and durable imager for retail and commercial cordless bar code reading.

In applications where operators must move about to read bar codes, cables become a limiting factor. They cause inefficiencies or safety and ergonomic concerns. Cable length often limits working range, resulting in an object being moved to the reader because the reader can't be taken to the object. With cordless bar code reading, operators have freedom of movement required to quickly, safely, and ergonomically read bar code data. With a 33 foot (10m) working range and Adaptus Imaging Technology, the IT4620 has the right combination of performance and features.

Having the right performance is only part of the solution; staying in service is just as important. The IT4620 also has class-leading durability. It was designed to survive in real world mobile applications. Hand Held Products is committed to creating some of the most rugged products available, and the IT4620 is another example of that commitment. With no moving parts and a robust housing design, the IT4620 will easily provide years of service in retail and commercial environments, creating a favorable total cost of ownership.

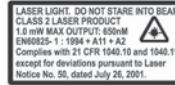
For information on how the IT4620 can make your business more efficient, contact us at any of the locations listed on the back or visit us at [www.handheld.com](http://www.handheld.com).

# IMAGETEAM 4620 Specifications



## Performance

<b>Aiming:</b>	520nm ±30nm					
<b>Green Aiming LEDs:</b>	756nm ±40nm					
<b>Red Laser Aimer:</b>	VGA, 640x480. Binary, TIFF, or JPEG output.					
<b>Image:</b>						
<b>Working Range:</b>						
<b>IT4620 SR</b>	<b>8 mil Linear (.020cm)</b>	<b>13 mil UPC (.033cm)</b>	<b>6.6 mil PDF417 (.017cm)</b>	<b>10 mil PDF417 (.025cm)</b>	<b>15 mil Data Matrix (.038cm)</b>	<b>35 mil MaxiCode (.089cm)</b>
<b>Near</b>	2.9 in. (7.4cm)	1.9 in. (4.8cm)	3.9 in. (9.9cm)	2.5 in. (6.4cm)	3.1 in. (7.9cm)	1.4 in. (3.6 cm)
<b>Far</b>	7 in. (17.8cm)	11.9 in. (30.2cm)	5.7 in. (14.5cm)	8.4 in. (21.3cm)	5.9 in. (15cm)	12.4 in. (31.5cm)
<b>IT4620 SF</b>	<b>7.5 mil Linear (.019cm)</b>	<b>13 mil UPC (.033cm)</b>	<b>6.6 mil PDF417 (.017cm)</b>	<b>10 mil PDF417 (.025cm)</b>	<b>10 mil Data Matrix (.025cm)</b>	<b>10 mil QR Code (.025cm)</b>
<b>Near</b>	1.9 in. (4.8cm)	1.7 in. (4.3cm)	2.2 in. (5.6cm)	1.4 in. (3.6cm)	1.7 in. (4.3cm)	1.7 in. (4.3 cm)
<b>Far</b>	5.9 in. (15cm)	8.3 in. (21.1cm)	5.4 in. (13.7cm)	7 in. (17.8cm)	5.4 in. (13.7cm)	5.4 in. (13.7cm)
<b>Pitch/Skew Angle:</b>	±40°					
<b>Horizontal Velocity:</b>	2 in. (5 cm) per second					
<b>Agency:</b>	FCC Class B, CE EMC Class B, CE Low Voltage Directive, IEC60825-1 LED Safety: Class 1, UL, cUL listed, TÜV					
<b>Laser Classification</b>						
<b>Laser Aimer Model only:</b>	Class 2 under 21 CFR 1040.10 and 1040.11 1mW max output, 650 nM, EN60825-1: 1994+A11+A2					



## Symbologies

<b>2 Dimensional:</b>	PDF417, MicroPDF417, MaxiCode, Data Matrix, QR Code, Aztec, Aztec Mesas, Code 49, and EAN•UCC Composite
<b>Linear:</b>	Codabar, Code 39, Interleaved 2 of 5, Code 93, Code 128, UPC, EAN, RSS and Codablock
<b>Postal:</b>	Postnet, Planet Code, British Post, Canadian Post, Japanese Post, KIX (Netherlands Post)
<b>OCR Fonts:</b>	OCR-A, OCR-B
<b>Interfaces:</b>	Keyboard wedge, USB, TTL level RS-232, wand emulation, TTL level Serial Wedge, and IBM 46XX retail terminals.

## Mechanical/Electrical

	4620 Scanner	2020 Base
<b>Dimensions</b>		
<b>Weight:</b>	9 oz. (255 g)	8.8 oz. (250 g) w/o cable
<b>Height:</b>	6.5 in. (16.5 cm)	3.1 in. (7.9 cm)
<b>Power Requirements</b>		
<b>Input Voltage:</b>	4.2 V internal battery	4.5 to 12 VDC (host) 8.5 to 9.5 VDC brick
<b>Current Draw</b>		125mA max @ 5V (no charging) 100 mA max @ 12V (no charging) 825mA max @ 12V (charging)
<b>Environmental</b>		
<b>Sealing:</b>	IP 41 (Water and Dust Resistant)	IP 41 (Water and Dust Resistant)
<b>Temperature</b>		
<b>Operating:</b>	32° to 122°F (0° to 50°C)	32° to 122°F (0° to 50°C)
<b>Storage:</b>	-4° to 95°F (-20° to 35°C)	-40° to 140°F (-40° to 60°C)
<b>Humidity:</b>	0 to 95%, non condensing	up to 95%, non condensing
<b>Mechanical Shock:</b>	Functional after 50 drops from 6 ft. (1.8 m)	Functional after 50 drops from 3.3 ft. (1 m)

## Radio

<b>Frequency:</b>	2.4 to 2.4835 GHz (ISM Band) Frequency-Hopping Bluetooth v. 1.2
<b>Range:</b>	33 ft. (10 m) typical
<b>Data Rates:</b>	720 Kbps

## Battery

<b>Battery:</b>	Lithium Ion
<b>Capacity:</b>	1,800 mAh
<b>Number of Scans:</b>	57,000
<b>Expected Hours of Operation:</b>	16 hours @ 1 scan every second
<b>Charge Time at 9 Vac:</b>	4 hours for full charge from full discharge

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