

## 4600g

### Commercial/Retail Area Imager



### ***Now Powered by New Adaptus™ Imaging Technology 5.0***

The **4600g** area imager from Hand Held Products combines the versatility of area imaging with the speed and cost of linear scanning for retail and commercial applications. Powered by **Adaptus™ Imaging Technology 5.0**, the 4600g is full featured, fast, and cost effective.

Today's demanding retail and commercial applications involve much more than linear bar codes. EAN-UCC composite codes are beginning to appear in food stores; PDF codes are used for age verification in restricted item sales; and postal bar codes are used to sort mail. The omni-directional reading capability of the 4600g allows **fast and easy reading of all these codes**. Simply point and shoot. There's no need to align a scan line, or wait for a raster beam to open up.

Whether capturing a signature as proof of delivery, taking a picture for identification, or even storing data electronically, **image capture is a mainstream requirement** and an important part of current and future solutions. Equipped with Adaptus Imaging Technology 5.0, the **4600g provides best-in-class image quality and image transfer speed, all at very economical prices**.

The 4600g is now easier to use under the most challenging conditions with Adaptus Imaging Technology 5.0; and **with no moving parts, the 4600g is as durable as it is versatile**.

For additional information, please contact your Hand Held Products representative or visit [www.handheld.com](http://www.handheld.com).

### ***Features***

*Omni-directional reading of 1D, PDF417, MicroPDF417, Postal, Matrix, and EAN•UCC Composite codes, and OCR fonts for the easiest ever data collection.*

**Image Capture** – *Class-leading image quality and image transfer speed provide crisp images in less than one second.*

**NEW! Increased Resolution** – *Improved image quality for vision-based applications.*

**Built to Last** – *Durable, with no moving parts. Backed by an industry leading warranty.*

**NEW! Increased Motion Tolerance** – *Ease of use in all types of scanning applications; better hand/motion tolerance for linear codes.*

**Connectivity** – *The most popular interfaces in one model. Uses the standard Hand Held Products cable set.*

**NEW! Faster Time to Read (TTR)** – *Advanced Linear Decoding (ALD) is faster and reads more like a linear unit.*

**IQ Editing Pro™** – *Provides easy integration into existing applications, without expensive host software changes.*

**NEW! Increased Field of View (FOV)** – *Ability to read wider bar codes quickly and easily, including hard to read bar codes.*

# 4600g Specifications

## Performance

<b>Illumination LEDs:</b>	626nm ±30nm					
<b>Aiming:</b>	526nm ±30nm					
<b>Green LED Aimer:</b>	VGA, 752x480. Binary, TIFF, or JPEG output.					
<b>Image:</b>	VGA, 752x480. Binary, TIFF, or JPEG output.					
<b>Working Range:</b>						
<b>4600gSR</b>	<b>8.3 mil Linear (.021cm)</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>	3.5 in. (8.9cm)	2.1 in. (5.3cm)	4.4 in. (11.2cm)	3.0 in. (7.6cm)	2.3 in. (5.8cm)	2.0 in. (5.1cm)
<b>Far</b>	7.5 in. (19.1cm)	13.1 in. (33.3cm)	6.1 in. (15.5cm)	8.9 in. (22.6cm)	10.1 in. (25.7cm)	12.9 in. (32.8cm)
<b>4600gSF</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>15 mil Data Matrix (.038cm)</b>	<b>15 mil QR Code (.038cm)</b>
<b>Near</b>	2.5 in. (6.4cm)	2.0 in. (5.1cm)	2.8 in. (7.1cm)	2.2 in. (5.6cm)	1.8 in. (4.6cm)	2.2 in. (5.6 cm)
<b>Far</b>	6.4 in. (16.3cm)	8.8 in. (22.4cm)	5.9 in. (15.0cm)	7.5 in. (19.1cm)	7.4 in. (18.8cm)	7.1 in. (18.0cm)
<b>Skew Angle:</b>	±40°					
<b>Pitch Angle:</b>	±40°					
<b>Motion Tolerance:</b>	4 in. (10 cm) per second					

## Mechanical/Electrical

<b>Dimensions</b>	
<b>Length:</b>	5.3 in. (13.5 cm)
<b>Height:</b>	6.2 in. (15.7 cm)
<b>Width:</b>	3.2 in. (8.1 cm)
<b>Weight:</b>	6.5 oz. (184.3 g)
<b>Housing:</b>	UL 94V0 grade
<b>Power Requirements:</b>	4.0 - 14VDC at imager
<b>Current Draw (Typical)</b>	<u>Input</u> <u>Scanning</u> <u>Idle</u>
<b>Green LED Aimer:</b>	5 V            382mA    53mA

## Power Supply

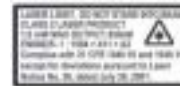
**Noise Rejection:** Maximum 100mV peak to peak, 10 to 100 kHz

## Environmental

<b>Sealing:</b>	IP41 (Water and Dust Resistant)
<b>Temperature</b>	
<b>Operating:</b>	32°F to +122°F (0°C to +50°C)
<b>Storage:</b>	-40°F to 158°F (-40°C to +70°C)
<b>Humidity:</b>	0 to 95%, non-condensing
<b>Mechanical Shock:</b>	Operational after 50 drops from 6 ft. (1.8 m) to concrete
<b>Ambient Light:</b>	0 to 100,000 lux (full sunlight)
<b>ESD Protection:</b>	Functional after 100 15kV discharges
<b>Vibration:</b>	Withstands 5G peak from 22 to 300 Hz
<b>Agency:</b>	FCC Class B, CE EMC Class B, CE Low Voltage Directive, IEC60825-1 LED Safety: Class 1, UL, cUL listed, TÜV, 2005 Sunrise Compliant

## Laser Classification

**Laser Aimer Model only:** Class 2 under 21 CFR 1040.10 and 1040.11  
1mW max output, 650 nm, EN60825-1: 1994+A11+A2  
**MTBF:** per MIL-HDBK-217F Ground Benign exceeds 70,000 hours



## 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, Codablock F, and BC412* <i>*available to licensed users</i>
<b>Postal (SR/SF Only):</b>	Postnet, Planet Code, British Post, Canadian Post, Japanese Post, KIX (Netherlands) Post
<b>OCR Fonts (SR/SF Only):</b>	OCR-A, OCR-B
<b>Interfaces:</b>	All popular PCs and terminals via keyboard wedge, keyboard replacement/direct connect, USB, TTL level RS-232, wand emulation (primary interface only) mode, TTL level Serial Wedge, and IBM 46XX retail terminals.
<b>Warranty:</b>	5 year warranty

## 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](http://www.handheld.com)

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