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.
# 4600g Specifications

## Performance

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination LEDs</td>
<td>626nm ±30nm</td>
</tr>
<tr>
<td>Green LED Aimer</td>
<td>526nm ±30nm</td>
</tr>
<tr>
<td>Image</td>
<td>VGA, 752x480. Binary, TIFF, or JPEG output.</td>
</tr>
<tr>
<td>Working Range</td>
<td></td>
</tr>
<tr>
<td>4600gSR</td>
<td>8.3 mil Linear (0.021cm) 13 mil UPC (0.033cm) 6.6 mil PDF417 (0.017cm) 10 mil PDF417 (0.025cm) 15 mil Data Matrix (0.038cm) 35 mil MaxiCode (0.089cm)</td>
</tr>
<tr>
<td>Near</td>
<td>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)</td>
</tr>
<tr>
<td>Far</td>
<td>7.5 in. (19.1cm) 13.1 in. (33.3cm) 6.1 in. (15.6cm) 8.9 in. (22.6cm) 10.1 in. (25.7cm) 12.9 in. (32.8cm)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>4600gSF</td>
<td>7.5 mil Linear (0.019cm) 13 mil UPC (0.033cm) 6.6 mil PDF417 (0.017cm) 10 mil PDF417 (0.025cm) 15 mil Data Matrix (0.038cm) 15 mil QR Code (0.038cm)</td>
</tr>
<tr>
<td>Near</td>
<td>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. (5.6cm)</td>
</tr>
<tr>
<td>Far</td>
<td>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)</td>
</tr>
</tbody>
</table>

## Mechanical/Electrical

### Dimensions

- Length: 5.3 in. (13.5 cm)
- Height: 6.2 in. (15.7 cm)
- Width: 3.2 in. (8.1 cm)
- Weight: 6.5 oz. (184.3 g)

### Housing

- UL 94V0 grade

### Power Requirements

- 4.0 - 14VDC at imager

### Current Draw (Typical)

- **Input**
  - Green LED Aimer: 5 V 382mA 53mA
- **Scanning**
- **Idle**

### Noise Rejection

- Maximum 100mV peak to peak, 10 to 100 kHz

### Environmental

#### Sealing

- IP41 (Water and Dust Resistant)

#### Temperature

- Operating: 32°F to +122°F (0°C to +50°C)
- Storage: 0°F to 158°F (-18°C to +70°C)

#### Humidity

- 0 to 95%, non-condensing

#### Mechanical Shock

- Operational after 50 drops from 6 ft. (1.8 m) to concrete

#### Ambient Light

- 0 to 100,000 lux (full sunlight)

#### ESD Protection

- Functional after 100 15kV discharges

#### Vibration

- Withstands 5G peak from 22 to 300 Hz

### Agency

- 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

### MTBF

- 1MW max output, 650 nM, EN60825-1, 1096k A11+A2
- per MIL-HDBK-217F Ground Benign exceeds 70,000 hours

### Symbologies

#### 2 Dimensional

- PDF417, MicroPDF417, MaxiCode, Data Matrix, QR Code, Aztec, Aztec Mesas, Code 49, and EAN-UCC Composite

#### Linear

- Codabar, Code 39, Interleaved 2 of 5, Code 93, Code 128, UPC, EAN, RSS, Codablock F, and BC412*
  *available to licensed users

#### Postal (SR/SF Only)

- Postnet, Planet Code, British Post, Canadian Post, Japanese Post, KIX (Netherlands) Post

#### OCR Fonts (SR/SF Only)

- OCR-A, OCR-B

### Interfaces

- 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.

### Warranty

- 5 year warranty