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
- **Illumination LEDs:** 626nm ±30nm
- **Aiming:** Green LED Aimer: 526nm ±30nm
- **Image:** VGA, 752x480. Binary, TIFF, or JPEG output.
- **Working Range:**
  - **4600gSR:**
    - Near: 3.5 in. (8.9cm)
    - Far: 7.5 in. (19.1cm)
    - 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
  - **4600gSF:**
    - Near: 2.5 in. (6.4cm)
    - Far: 6.4 in. (16.3cm)
    - 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

#### 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:**
  - Input Scanning: 4.0 - 14VDC at imager
  - Current Draw (Typical):
    - Green LED Aimer: 5 V 382mA, 53mA
- **Power Supply:**
  - 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: -40°F to 158°F (-40°C to +70°C)
- **Humidity:** 0 to 95%, non-condensing
- **Mechanical Shock:** Operational after 50 drops from 6 ft. (1.8 m) to concrete
- **ESD Protection:** Functional after 100 15kV discharges
- **Emission:** 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: 1994+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, BC412*, and ISBT 128 Concatenation* “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 48XX retail terminals.
- **Warranty:** 5 year warranty

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