The IT4200 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, the IT4200 is full featured, fast, and cost effective.

Current and future manufacturing, retail, and commercial applications will 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 IT4200 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 electronic data storage, image capture is an important part of current and future solutions. The Adaptus Imaging Technology powered IT4200 is equipped with Hand Held Products fifth generation imaging for best-in-class image quality and image transfer speed, all at very economical prices. Image capture has become a mainstream application requirement. Trust Hand Held Products to provide the industry’s best imaging.

With no moving parts, the IT4200 is as durable as it is versatile. Hand Held Products has a reputation for products that are tough as nails. The IT4200 is no exception, and will provide years of service at a low cost.

To learn how the IT4200 can work for you, contact us at any of the locations listed on the back or visit us at [www.handheld.com](http://www.handheld.com).
## IT4200 Specifications

### Performance

Aiming:
- **Green Aiming LED:** 526nm ±30nm

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

**Working Range:**

<table>
<thead>
<tr>
<th>Model</th>
<th>Linear</th>
<th>UPC</th>
<th>PDF417</th>
<th>PDF417</th>
<th>Data Matrix</th>
<th>MaxiCode</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT4200 SR</td>
<td>8.3 mil</td>
<td>13 mil</td>
<td>6.6 mil</td>
<td>10 mil</td>
<td>15 mil</td>
<td>35 mil</td>
</tr>
<tr>
<td>Near</td>
<td>3.5 in. (8.9 cm)</td>
<td>2.1 in. (5.3 cm)</td>
<td>4.4 in. (11.2 cm)</td>
<td>3.1 in. (7.9 cm)</td>
<td>2.3 in. (5.8 cm)</td>
<td>2.0 in. (5.1 cm)</td>
</tr>
<tr>
<td>Far</td>
<td>7.5 in. (19.1 cm)</td>
<td>13.1 in. (33.3 cm)</td>
<td>6.1 in. (15.5 cm)</td>
<td>8.9 in. (22.6 cm)</td>
<td>10.1 in. (25.7 cm)</td>
<td>12.9 in. (32.8 cm)</td>
</tr>
<tr>
<td>IT4200 SF</td>
<td>7.5 mil</td>
<td>13 mil</td>
<td>6.6 mil</td>
<td>10 mil</td>
<td>15 mil</td>
<td>15 mil</td>
</tr>
<tr>
<td>Near</td>
<td>2.5 in. (6.4 cm)</td>
<td>2.0 in. (5.1 cm)</td>
<td>2.8 in. (7.1 cm)</td>
<td>2.2 in. (5.6 cm)</td>
<td>1.8 in. (4.6 cm)</td>
<td>2.2 in. (5.6 cm)</td>
</tr>
<tr>
<td>Far</td>
<td>6.4 in. (16.3 cm)</td>
<td>8.8 in. (22.4 cm)</td>
<td>5.9 in. (15.0 cm)</td>
<td>7.5 in. (19.1 cm)</td>
<td>7.4 in. (18.9 cm)</td>
<td>7.1 in. (18.0 cm)</td>
</tr>
<tr>
<td>IT4200 HD</td>
<td>13 mil</td>
<td>6.6 mil</td>
<td>35 mil</td>
<td>10 mil</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Near</td>
<td>2.1 in. (5.3 cm)</td>
<td>2.1 in. (5.3 cm)</td>
<td>2.0 in. (5.1 cm)</td>
<td>2.6 in. (6.6 cm)</td>
<td>2.2 in. (5.6 cm)</td>
<td></td>
</tr>
<tr>
<td>Far</td>
<td>6.6 in. (16.8 cm)</td>
<td>4.9 in. (12.4 cm)</td>
<td>7.8 in. (19.8 cm)</td>
<td>4.6 in. (11.7 cm)</td>
<td>5.2 in. (13.2 cm)</td>
<td></td>
</tr>
</tbody>
</table>

**Skew Angle:** ±40°

**Pitch Angle:** ±40°

**Horizontal Velocity:** 4 in. (10 cm) per second

### Mechanical/Electrical

**Dimensions**
- **Length:** 5.5 in. (14.0 cm)
- **Height:** 5.3 in. (13.5 cm)
- **Width:** 2.6 in. (6.6 cm)
- **Weight:** 4.5 oz. (127.6 g)

**Housing:** UL 94V0 grade

**Power Requirements:** 5Vdc ±10% at scanner

**Current Draw (Typical)**

<table>
<thead>
<tr>
<th>Input</th>
<th>Scanning</th>
<th>Idle</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 V</td>
<td>382 mA</td>
<td>53 mA</td>
</tr>
</tbody>
</table>

**Power Supply**

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

### Environmental

**Temperature**
- **Operating:** +32°F to +122°F (0°C to +50°C)
- **Storage:** -40°F to 140°F (-40°C to +60°C)

**Humidity:** 0 to 95%, non-condensing

**Mechanical Shock:** Operational after 25 drops from 4.9 ft. (1.5 m) to concrete

**Ambient Light:** Up to 100,000 lux (full sunlight)

**ESD Protection:** Functional after 100 8kV discharges

**Vibration:** Withstands 1g peak from 8 to 80 Hz

**Agency:**
- FCC Class B, CE EMC Class B
- CE Low Voltage Directive, IEC60825-1
- LED Safety: Class 1
- UL, cUL listed
- C-Tick N10410
- MTBF: per MIL-HDBK-217F Ground Benign exceeds 70,000 hours

**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, Codablock, and BC412
  - *available to licensed users
- **Postal:** Postnet, Planet Code, British Post, Canadian Post, Japanese Post, KIX (Netherlands Post)

**OCR Fonts:** OCR-A, OCR-B

**Interfaces:** All popular PCs and terminals via keyboard wedge, keyboard replacement/direct connect, USB, TTL level RS-232, wand emulation mode, TTL level Serial Wedge.

**Warranty:** Two year factory warranty.