

## **IMAGETEAM™ 3800LTPP**

### *Handheld Linear Imager with PDF417 Decoding*



#### **Features**

*Future Proof Your Investment - PDF417 bar codes are emerging applications. Protect your investment and be prepared for pending changes with the 3800LTPP.*

*Bright, Sharp and Focused Aiming Line - Easy to aim and scan codes in any lighting condition from darkness to full sunlight, tightly stacked bar code sheets, or small, high resolution labels.*

*Solid, Rugged Design - No moving parts inside and solid construction outside deliver years of reliable service in demanding work environments.*

*Ergonomic - Attractive styling compliments most existing POS environments, while user comfort is enhanced by the smooth handle curves, soft molded grip area, and comfortable trigger.*

*Powerful, Flexible Architecture - Connects and interfaces to all major PCs easily and quickly with Windows®-based programming tools or bar code programming menus.*

*Increased Reading Distances - Easily covers the full range of handheld scanning uses in point of sale and general purpose scanning applications.*

*Real World Reading Performance - Accommodates printer induced bar space variation, faded labels, short quiet zones, low contrast codes, dot matrix printing, and multipart forms with higher resolution, better optics, and improved decoding algorithms.*

**5 Year Warranty**

The IMAGETEAM™ 3800LTPP is a high performance, handheld bar code scanner. The IT3800LTPP uses linear imaging technology to set a new standard for handheld scanners by combining a bright, sharp aiming line with high resolution imaging to deliver exceptional reading performance.

The IT3800LTPP handle is smoothly contoured to fit all sized hands, plus has a soft grip area to add comfort and prevent slipping. Its aesthetically pleasing look surrounds a rugged, durable construction, built for demanding work environments. The IT3800LTPP is so durable, it carries a 5 year warranty.

Each decoded output scanner has the capability to connect as either a standard or USB keyboard wedge or to use the serial port. The IT3800LTPP connects to all popular PCs. Standard cables are used to reduce replacement expense.

The IT3800LTPP is excellent in handheld scanning applications, such as retail point of sale and in-store inventory. It operates from a tabletop holder in manual trigger mode, or may be placed in an adjustable stand for automated operation. The IT3800LTPP can be used indoors or outside in bright sunlight. Typical applications are retail point of sale, in-store inventory, document management, transaction processing of bar coded receipts, payment counter, and outdoor sales kiosks.

To learn how the IT3800LTPP 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).

# IMAGETEAM™ 3800LTPP Specifications

## Performance

**Illumination:** 630 NM Visible Red LED  
**Receiving Device:** 3648 element linear imager  
**Reading Distance:** From 1 in. (2.5 cm) to 8 in. (20.3 cm) on medium density bar codes  
**Reading Width:** 5 in. (12.7 cm) code width at 7 in. (17.8 cm) distance  
**Resolution:** 5 mil. at 3.5 in. (8.8 cm) distance  
**PDF417:** Reads 10 mil. and lower density PDF417 bar codes

### PDF417 Bar Codes 3:1 Aspect Ratio

Reading Distance	10 mil	15 mil
Minimum	3.5 in. 8.9 cm	3.5 in. 8.9 cm
Maximum	4.5 in. 11.4 cm	5 in. 12.7 cm

**Skew Angle:** ±55°  
**Pitch Angle:** ±55°  
**Horizontal Velocity:** 2 in. (5.1 cm) per second  
**Minimum Reflectance Difference:** 30%  
**Scan Rate:** Programmable to 270 scans per second  
**Decode Rate:** 270 decodes per second

## Mechanical/Electrical

### Dimensions

**Length:** 5.3 in. (13.5 cm)  
**Height:** 6 in. (15.2 cm)  
**Width:** 3.1 in. (7.9 cm)  
**Weight:** 6.3 oz. (179.2 g)  
**Housing:** Polycarbonate/ABS blend, UL 94V0

**Power Requirements:** 5Vdc ± 10% at scanner  
**Current Draw:** Scanning Standby  
**@270 s/s** 275mA 125mA  
**@67 s/s** 150mA 125mA

**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 (-36°C to +60°C)  
**Humidity:** 0 to 95%  
**Mechanical Shock:** Operational after 25 drops from 5 ft. (1.53 m) to concrete

**Ambient Illumination:** 0 - 70,000 lux  
**ESD Protection:** Functional after 15kV discharge  
**Vibration:** Withstands 5G peak from 20 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  
**MTBF:** per MIL-HDBK-217F Ground Benign exceeds 100,000 hours

**Symbologies:** Codabar, Code 3 of 9 including PARAF, Interleaved 2 of 5, Code 2 of 5, Matrix 2 of 5, Code 11, Code 93, Code 128, UPC, EAN/JAN, China Postal Code, RSS, PDF417.

**Interfaces:** All popular PCs via keyboard wedge, TTL level RS-232, and keyboard USB.

**Warranty:** Five year factory warranty.

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