# IMAGETEAM™ 3800LX
## Hand Held Linear Imager

### Features

*Even More Reading Distance - Provides greater range on UPC than standard lasers for faster, easier point-of-sale scanning.*

*Bright, Sharp and Focused Aiming Line - Easy to aim and scan codes in any lighting condition from darkness to full sunlight, on 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.*

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

*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™ 3800LX is a longer range, high performance, hand held bar code scanner. The IT3800LX uses linear imaging technology to match the reading distance of standard range lasers with a bright, sharp aiming line. In addition, the IT3800LX offers high resolution imaging to deliver exceptional reading performance.

The IT3800LX 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 IT3800LX is so durable, it carries a 5 year warranty.

The IT3800LX is excellent in hand held 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 IT3800LX 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.

Models are available for different interfaces:

The IT3800LX-11 is available for IBM 486X, 469X, OCIA, PC XT/AT/PS-2 Keyboard Wedge, Direct Connect Keyboard Replacement, TTL Level RS-232, TTL Serial Wedge, Wand Emulation, HHLC, and Non Decoded.

The IT3800LX-12 can be used with PC XT/AT/PS-2 Keyboard Wedge, Direct Connect Keyboard Replacement, Apple ADB, TTL Level RS-232, TTL Serial Wedge, Wand Emulation, HHLC, and Non Decoded.

The IT3800LX-14 offers USB connectivity to PC-based products that use Microsoft® Windows® 98, Windows® 2000, and Windows NT® 2000, as well as the Apple® iMac® computer. In addition to offering USB connectivity, the IT3800LX-14 also provides PCXT/AT/PS-2 keyboard wedge, direct connect keyboard replacement, TTL level RS-232, TTL serial wedge, wand emulation, and non decoded connectivity.

The IT3800LX-15 offers all the connectivity of the IT3800LX-14, plus IBM SurePOS USB, IBM 486X, and 469X connectivity.

**Upgrade your image.**

## Performance

| | |
|---|---|
| **Illumination:** | 630 NM Visible Red LED |
| **Receiving Device:** | 3648 element linear imager |
| **Reading Distance:** | From 2 in. (5.1 cm) to 16 in. (40.6 cm) on 100% UPC codes<br>From 3 in. (7.6 cm) to 36 in. (91.4 cm) on 40 mil codes |
| **Reading Width:** | 6 in. (15.2 cm) code width at 9 in. (22.9 cm) distance on 100% UPC<br>16 in. (40.6 cm) code width at 25 in. (63.5 cm) on 40 mil |
| **Resolution:** | 6.5 mil. at 5.5 in. (14 cm) distance |
| **Skew Angle:** | $\pm30º$ |
| **Pitch Angle:** | $\pm15º$ |
| **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**

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|---|---|
| **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 $\pm$ 10% at scanner |

**Current Draw:**

| | Scanning | Standby | IT3800LX-14: | Scanning | Standby | IT3800LX-15: | Scanning | Standby |
|---|---|---|---|---|---|---|---|---|
| **@270 s/s** | 275mA | 125mA | | 325mA | 150mA | | 500mA | 265mA |
| **@67 s/s** | 150mA | 125mA | | | | | | |

**Power Supply**

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

## Environmental

**Temperature**

| | |
|---|---|
| **Operating:** | +32ºF to +122ºF (0ºC to +50ºC) |
| **Storage:** | -4ºF to 140ºF (-40ºC to +60ºC) |
| **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, RSS Code, Matrix 2 of 5, Code 11, Code 128, UPC, EAN/JAN, China Postal Code, RSS. |
| **Interfaces:** | Most popular PCs and terminals via keyboard wedge, keyboard replacement/direct connect, Apple ADB, USB, IBM SurePOS USB, TTL level RS-232, wand emulation mode, TTL level Serial Wedge, and includes (HHLC) non decoded laser compatible output.  IBM 4683/93 and OCIA retail terminals in 3800LR-11 model. |
| **Warranty:** | Five year factory warranty |