

IMAGETEAM™ 3800LR

Hand Held Linear Imager



Description

The IMAGETEAM™ 3800LR is a high performance, hand held bar code scanner. The IT3800LR uses linear imaging technology to set a new standard for hand held scanners by combining a bright, sharp aiming line with high resolution imaging to deliver exceptional reading performance.

The IT3800LR 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 IT3800LR is so durable, it carries a 5 year warranty.

Each decoded output scanner has the capability to connect as a keyboard wedge, use the serial port, output non decoded laser compatible signals, or operate in wand emulation mode. The IT3800LR connects to all popular PCs, Apple MAC, and portable data terminals. Models are available for IBM retail terminals (4683/93, OCIA), True RS-232, and PDF417 applications. A non decoded mode can be used with external wedge decoders and portable terminals or other devices with decoding capability. Standard cables are used to reduce replacement expense.

Features

Bright, Sharp and Focused Aiming Line

5 Year Warranty

Solid, Rugged Design

New Design

Powerful, Flexible Architecture

Increased Reading Distances

Real World Reading Performance

Benefits

- 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.
- No moving parts inside and solid construction outside deliver years of reliable service in demanding work environments.
- Attractive styling compliments most existing POS environments, while user comfort is enhanced by the smooth handle curves, soft molded grip area, and comfortable trigger.
- Connects and interfaces to all major PCs, commercial and retail DOS terminals easily and quickly with Windows® based programming tools or bar code programming menus.
- Easily covers the full range of hand held scanning uses in point of sale and general purpose scanning applications.
- 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.

The IT3800LR 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 IT3800LR 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, outdoor sales kiosks, and reading of vehicle registrations.

Product Literature

Specifications **IT3800LR**

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 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
Skew Angle:	$\pm 30^\circ$
Pitch Angle:	$\pm 15^\circ$
Horizontal Velocity:	5 in. (12.7 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 \pm 10% at scanner

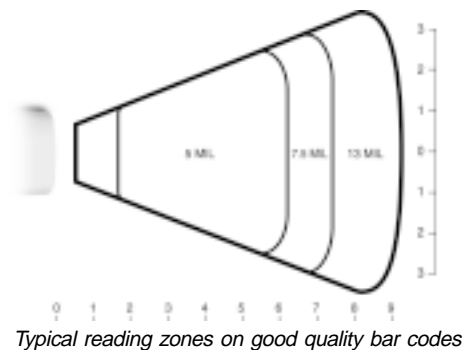
Current Draw:	Low Power		
	Scanning	Standby	-10 only
@270 s/s	275mA	125mA	5 microA
@67 s/s	150mA	125mA	5 microA

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 - 100,000 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 128, UPC, EAN/JAN, China Postal Code. PDF417 in 3800 PDF-12 model.
Interfaces:	All popular PCs and terminals via keyboard wedge, keyboard replacement/direct connect, Apple ADB, 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 3800 LR-11 model. True RS-232 in 3800LR-13 model.
Warranty:	Five year factory warranty.



Main Office

4619 Jordan Road
Skaneateles Falls, NY 13153-0187
Tel: (315) 685-8945
Fax: (315) 685-3172

UK Office

Welch Allyn UK Ltd.

Dallam Court
Dallam Lane
Warrington
Cheshire WA2 7LT
United Kingdom
Tel: Int+44 (0) 1 925 240055
or Int+353 1 216 0070
Fax: Int+44 (0) 1 925 631280
or Int+353 1 295 6353

Asia/Pacific Office

10/F, Tung Sun Commercial Centre
194-200 Lockhart Road
Wanchai, Hong Kong
Tel: Int+852 2511 3050/2511 3132
Fax: Int+852 2511 355

Japan Office

Bon Marusan 8F
3-5-1 Kanda-Jinbocho
Chiyoda-ku
Tokyo 101, Japan
Tel: Int+81 3 5212 7392
Fax: Int+81 3 3261 7372

Latin America Office

5150 North Tamiami Trail
Suite 302
Naples, FL 34103-2821
Tel: (941) 263-7600
Fax: (941) 263-9689

Web Site Address

dcd.welchallyn.com

©1999-2000,

Welch Allyn Data Collection, Inc.
All rights reserved.

Printed in the U.S.A.

Due to Welch Allyn's continuing product improvement programs, specifications and features herein are subject to change without notice.