IMAGETEAM™ 3800

Hand Held Linear Imager

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 multi part forms with higher resolution, better optics and improved decoding algorithms.

Description

Introducing the IMAGETEAM™ 3800, a high performance, hand held bar code scanner. The IT3800 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 IT3800 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 IT3800 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 IT3800 connects to all popular PCs, Apple MAC, and portable data terminals. Models are available for IBM retail terminals (4683/93, OCIA) and for 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.

The IT3800 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 IT3800 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.

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 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:	Scanning	Standby	Low Power	In-Rush 3800-12	In-Rush 3800-11
@270 s/s	275mA	125mA	5 microA	400mA	550 mA
@67 s/s	150mA	125mA	5 microA	400mA	550 mA

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, TTL level RS-232, wand emulation mode, and includes (HHLC) non decoded laser compatible output. IBM 4683/93 and OCIA retail terminals in 3800 LR-11 model.
Warranty:	Five year factory warranty.

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