

IMAGETEAM™ 3900

Fixed Position Linear Imager



Features

Bright, Sharp and Focused Aiming Line - Easy scanning by inexperienced users in any lighting condition.

100,000 Mean Time Between Failure and 5 Year Warranty - Long, reliable in-service life.

Powerful, Flexible Architecture - Connects and interfaces to all major PCs and Apple® computers. Windows®-based programming tools provided for easy setup and configuration.

Real World Reading Performance - Reads faded labels, short quiet zones, dot matrix printing, and printer-induced bar space variations.

The IMAGETEAM™(IT) 3900 is a fixed position linear imager that adds bar code scanning to kiosks and other OEM applications. The IT3900 uses linear imaging technology to deliver a bright, sharp aiming line, and fast reading and decoding that makes scanning intuitive and simple.

Bar code scanning at a kiosk is typically done by someone without scanning experience. The scan line must be easy to see. The scanner must read quickly, without perfect orientation, and read a wide variety of bar code labels. Since the bar code is presented to the scanner, the scanner must have a large working range. The IT3900 does all this and more. The IT3900 has an automatic trigger mode for constant scanning, or can be used in a presentation mode, where the scanner turns on when a bar code is placed in its viewing area. Scanning can also be controlled by the host computer via serial commands.

The IT3900 has interface flexibility, too. The IT3900 can connect via keyboard wedge, RS-232 serial interface, or into USB ports in IBM-compatible PCs or Apple computers. Models are available for use with IBM 4683, 4693, or OCIA retail terminals.

IMAGETEAM™ 3900 Specifications

Performance

Illumination:	630 NM Visible Red LED
Receiving Device:	3648 element linear imager
Reading Distance:	From 2.5 in. (6.35 cm) to 9 in. (22.8 cm) on medium density codes
Reading Width:	5 in. (12.7 cm) code width at 7 in. (17.8 cm) distance
Resolution:	3 mil. at 3.5 in. (8.8 cm) distance
Skew Angle:	±30°
Pitch Angle:	±15°
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:	4.7 in. (11.9 cm)
Height:	1.5 in. (3.8 cm)
Width:	3.1 in. (7.9 cm)
Housing:	Polycarbonate/ABS blend, UL 940VO
Power Requirements:	5Vdc ± 10% at scanner

Current Draw:	<u>Scanning</u>	<u>Standby</u>	<u>Low Power</u>
@270 s/s	275mA	125mA	30mA
@67 s/s	150mA	125mA	30mA

Power Supply Noise Rejection:	Maximum 100mV peak to peak, 10 to 100 kHz
Triggering:	Continuous autotrigger mode, or via serial command
Mounting:	Three M-4 threaded inserts

Environmental

Temperature

Operating:	+32°F to +122°F (0°C to +50°C)
Storage:	-4°F to 140°F (-40°C to +60°C)

Humidity: 0 to 95%

Mechanical Shock: Operational after 5 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.

Interfaces: All popular PCs and terminals via keyboard wedge, keyboard replacement/direct connect, Apple ADB, iMac, USB, TTL level RS-232, wand emulation mode, and includes (HHLC) non decoded laser compatible output.

Warranty: Five year factory warranty.

Worldwide Offices

Offices Serving North America

Skaneateles Falls, NY
Tel: +1 315 685 8945
or, in North America: +1 800 582 4263
napresales@handheld.com
Charlotte, NC
Tel: +1 704 998 3998
or, in North America: +1 800 582 4263
napresales@handheld.com

Offices Serving Europe, Middle East, and Africa

Europe
Tel: +31 (0) 40 29 01 600
eupresales@handheld.com
United Kingdom
Tel: +44 (0) 1 925 240055
eupresales@handheld.com
Italy
Tel: +39 (0) 2 67 100752
eupresales@handheld.com

France

Tel: +33 (0) 1 41 158220
eupresales@handheld.com
Germany
Tel: +49 (0) 7 477 151377
eupresales@handheld.com
Spain
Tel: +34 93 228 78 68
eupresales@handheld.com

Offices Serving Asia and the Pacific Rim

Hong Kong
Tel: +852 2511 3050
appresales@handheld.com
Japan
Tel: +813 5770 6312
appresales@handheld.com

Offices Serving Latin America

Naples, Florida
Tel: +1 239 263 7600
lapresales@handheld.com
São Paulo
Tel: +55 11 5016 3454
lapresales@handheld.com
Rio De Janeiro
Tel: +55 21 2176 0250
lapresales@handheld.com

Web Site Address www.handheld.com

Hand Held Products, Inc., ("Hand Held Products") © 1999-2004. All rights reserved. Printed in the U.S.A.

Due to Hand Held Products' continuing product improvement programs, specifications and features herein are subject to change without notice.