



IMAGETEAM™ 3800VHD

Very High Density Hand Held Linear Imager

The IMAGETEAM™ 3800VHD is a high performance scanner for industrial electronic manufacturing applications. It offers excellent reading performance on 3 mil. and larger bar codes, plus the durability needed for rough industrial applications, backed by a five year warranty. Linear Imaging technology combines a bright, sharp aiming line with high resolution reading. The IT3800VHD has the industry's best drop spec to deliver excellent value for demanding, industrial applications.

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 IT3800VHD connects to all popular PCs, Apple MAC, and portable data terminals. 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 IT3800VHD fits all applications found in high technology factories, from the high density codes on electronic sub assemblies to bar coded shipping labels in the packaging area. Typical applications are found in computer and telecommunications assembly plants, aerospace and automotive factories reading bar codes on assembly lines, test stations, document processing, packaging and shipping areas. The IT3800VHD delivers performance and value over years of trouble free operation.

Features & Benefits

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.

Powerful, Flexible Architecture

Connects and interfaces to all major PCs and commercial terminals easily and quickly with Windows® based programming tools or bar code programming menus.

Increased Reading Distances

Easily covers the full range of hand held scanning uses in industrial scanning applications.

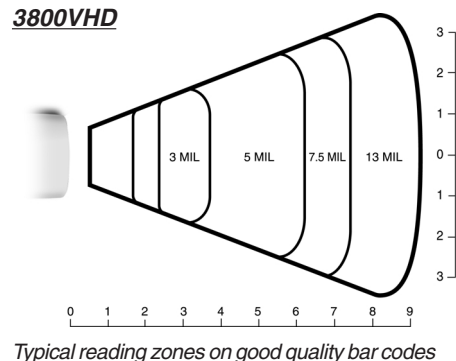
Real World Reading Performance

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

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:	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

3800VHD**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:	<u>Scanning</u> <u>Standby</u>
@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:	-4°F to 140°F (-40°C to +60°C)

Humidity: 0 to 95%

Mechanical Shock: Operational after 50 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 128, UPC, EAN/JAN, China Postal Code.

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

Warranty: Five year factory warranty.

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