

# IMAGETEAM<sup>™</sup> 3800i Kit Series

## USB Interface Hand Held Linear Imager in Apple<sup>®</sup> iMac<sup>™</sup> Colors

Hand Held Products offers multiple color scanners to complement the Apple iMac<sup>®</sup>. The IMAGETEAM<sup>™</sup> 3800i is a high performance, hand held bar code scanner. The IT3800i 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 IT3800i 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, with no internal moving parts, that's built for demanding work environments. The IT3800i 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 IT3800i connects to the Apple iMAC via the USB port. Kits include a USB cable.

The IT3800i 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 IT3800i can be used indoors or outside in bright sunlight. In addition to point-of-sale and in-store inventory, the IT3800i is used for document management, education, transaction processing of bar coded receipts, payment counter, outdoor sales kiosks, and reading of vehicle registrations.

### Features & Benefits

#### **Translucent Plastic Housing**

*Complements iMac computers and provides a sharp, modern look without sacrificing user comfort.*

#### **USB Interface**

*Compatible with iMac and other USB compliant PCs.*

#### **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.*

#### **5 Year Warranty**

#### **Powerful, Flexible Architecture**

*Connects and interfaces to all major PCs, commercial and retail DOS terminals easily and quickly with Windows<sup>®</sup>-based programming tools or bar code programming menus.*

#### **Increased Reading Distances**

*Easily covers the full range of hand held scanning uses in point-of-sale and general purpose scanning applications.*

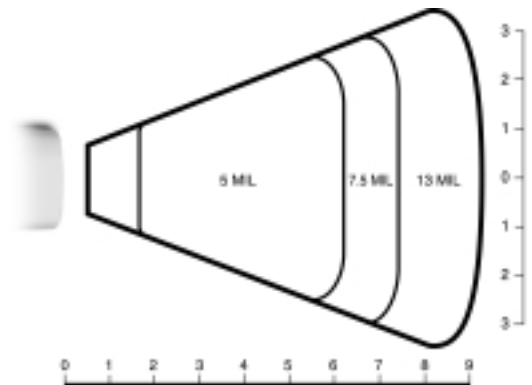
#### **Real World Reading Performance**

*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.*

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## Performance

<b>Illumination:</b>	630 NM Visible Red LED
<b>Receiving Device:</b>	3648 element linear imager
<b>Reading Distance:</b>	From 1 in. (2.5 cm) to 8 in. (20.3 cm) on medium density codes
<b>Reading Width:</b>	5 in. (12.7 cm) code width at 7 in. (17.8 cm) distance
<b>Resolution:</b>	5 mil. at 3.5 in. (8.8 cm) distance
<b>Skew Angle:</b>	±30°
<b>Pitch Angle:</b>	±15°
<b>Horizontal Velocity:</b>	2 in. (5.1 cm) per second
<b>Minimum Reflectance Difference:</b>	30%
<b>Scan Rate:</b>	Programmable to 270 scans per second
<b>Decode Rate:</b>	270 decodes per second



Typical reading zones on good quality bar codes

## Mechanical/Electrical

### Dimensions

<b>Length:</b>	5.3 in. (13.5 cm)						
<b>Height:</b>	6 in. (15.2 cm)						
<b>Width:</b>	3.1 in. (7.9 cm)						
<b>Weight:</b>	6.3 oz. (179.2 g)						
<b>Housing:</b>	Polycarbonate/ABS blend, UL 94V0						
<b>Power Requirements:</b>	5Vdc ± 10% at scanner						
<b>Current Draw:</b>	<table><tr><td><u>Scanning</u></td><td><u>Standby</u></td></tr><tr><td>@270 s/s</td><td>275mA 125mA</td></tr><tr><td>@67 s/s</td><td>150mA 125mA</td></tr></table>	<u>Scanning</u>	<u>Standby</u>	@270 s/s	275mA 125mA	@67 s/s	150mA 125mA
<u>Scanning</u>	<u>Standby</u>						
@270 s/s	275mA 125mA						
@67 s/s	150mA 125mA						
<b>Power Supply</b>							
<b>Noise Rejection:</b>	Maximum 100mV peak to peak, 10 to 100 kHz						

## Environmental

### Temperature

<b>Operating:</b>	+32°F to +122°F (0°C to +50°C)
<b>Storage:</b>	-40°F to 140°F (-36°C to +60°C)
<b>Humidity:</b>	0 to 95%
<b>Mechanical Shock:</b>	Operational after 25 drops from 5 ft. (1.53 m) to concrete
<b>Ambient Illumination:</b>	0 - 100,000 lux
<b>ESD Protection:</b>	Functional after 15kV discharge
<b>Vibration:</b>	Withstands 5G peak from 20 to 300 Hz
<b>Agency:</b>	FCC Class B, CE EMC Class B, CE Low Voltage Directive, EN60825-1 LED Safety: Class 1, UL, cUL listed, TÜV
<b>MTBF:</b>	per MIL-HDBK-217F Ground Benign exceeds 100,000 hours
<b>Symbologies:</b>	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.
<b>Interfaces:</b>	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.
<b>Warranty:</b>	Five year factory warranty.

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