



## **IMAGETEAM™ 3810**

### *Hand Held Linear Imager*



#### **Features**

*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.*

*Modern Design - Attractive styling compliments most existing POS environments, while user comfort is enhanced by the smooth handle curves, soft molded grip area, and comfortable trigger.*

*Powerful, Flexible Architecture - Connects and interfaces to all major PCs, commercial and retail POS terminals easily and quickly with bar code programming menus.*

*Flash Memory - Allows field firmware upgrades to extend the useful life of the product.*

*Two Year Warranty*

The IMAGETEAM™ 3810 is a mid-range performance, hand held bar code scanner. The IT3810 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 IT3810 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 IT3810 carries a two year warranty.

Each decoded output scanner has the capability to connect as a keyboard wedge or through the serial port. The IT3810 connects to all popular PCs. Models are available for TTL RS-232 and USB applications. Low cost cables are used to reduce replacement expense.

The IT3810 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 IT3810 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.

To learn how the IT3810 can work for you, contact us at any of the locations listed on the back or visit us at [www.hhp.com](http://www.hhp.com).

**Upgrade your image.**



# IMAGETEAM 3810 Specifications

## 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 6 in. (15.2 cm) on 100% UPC/EAN bar codes
<b>Reading Width:</b>	4.5 in. (11.4 cm) code width at 7 in. (17.8 cm) distance
<b>Resolution:</b>	7.5 mil. at 2 in. (5 cm) distance
<b>Skew Angle:</b>	±55°
<b>Pitch Angle:</b>	±55°
<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>	135 decodes per second

## Mechanical/Electrical

<b>Dimensions</b>	
<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>	<u>Scanning</u> <u>Standby</u>
<b>@270 s/s</b>	275mA   125 mA

## Power Supply

<b>Noise Rejection:</b>	Maximum 100mV peak to peak, 10 to 100 kHz
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## Environmental

<b>Temperature</b>	
<b>Operating:</b>	+32°F to +122°F (0°C to +50°C)
<b>Storage:</b>	-4°F to 140°F (-20°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 - 70,000 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, IEC60825-1 LED Safety: Class 1, cUL listed, TÜV
<b>MTBF:</b>	per MIL-HDBK-217F Ground Benign exceeds 100,000 hours
<b>Symbologies:</b>	Codabar, Code 32 Pharmaceutical (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.
<b>Interfaces:</b>	All popular PCs via keyboard wedge, keyboard replacement/direct connect, USB, TTL level RS-232.
<b>Warranty:</b>	Two year factory warranty.

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