IMAGETEAM™ 4800
Industrial 2D Area Imager

powered by
Adaptus™
imaging technology

The IMAGETEAM™ 4800 Industrial 2D Area Imager is the first hand held area image reader powered by Adaptus™ imaging technology. Adaptus technology decodes faster, farther, and future-proofs your investment. This means your workers spend less time trying to capture data, and more time using this data to make your business more cost efficient.

Whether your application is reading conventional linear bar codes or tomorrow's 2D matrix symbologies, the IT4800 can capture them all today. If your application requires signature capture, OCR, or digital photography, the IT4800 can solve them all. Its advanced imaging optics software quickly and easily determines the image content and transfers it to your host system. In fact, full image transfer can be accomplished in less than one second through its on-board full speed USB interface.

The IT4800 can be used in a wide range of applications from circuit board manufacture to package delivery tracking. In addition, bar codes, images, and signature capture can provide positive proof of delivery. If discrepant material needs to be viewed by a production supplier, images can be captured and quickly transferred for immediate review and resolution, saving time and money.

Because these applications often contain challenges for many image capture devices, we have made the IT4800 extra tough. Full shock-absorbing rubber protects the imager from dozens of 6.5 feet (2 meter) drops to concrete. Many application environments exhibit airborne dust and rain, so we have sealed the IT4800 so these elements will not degrade performance. In addition to an IP54 enclosure specification, the IT4800 is backed by an industry-best 3-year warranty.

For applications that demand superior aiming, the IT4800 is the best choice. Integrated red aiming optics ensures the best aimer visibility for exceptional point-and-shoot performance. This ensures your operator will find and capture the correct image every time.

Contact your HHP representative at any of the locations listed on the back, or visit us at **www.hhp.com**. Call today and see how HHP's new area imagers measure up!

Features

Powered by Adaptus™ imaging technology - Delivers extraordinary reading performance to enable ease-of-use and reader versatility.

Aggressive, omni-directional point-and-shoot reading of linear, PDF417, and full 2D matrix symbols offers ease-of-use and greater throughput.

Rugged Packaging – Impact absorbent, shock resistant housing withstands fifty 6.5 foot (2 meter) drops, and is sealed to resist dust, water, and contaminants from entering the unit. Backed by an industry-best 3 year warranty.

Future-Proofed Technology - The versatility of Adaptus serves broad image-based data capture needs today, and protects your investment against future application demands.

Adaptus Editing Software – Eases the transition to full 2D matrix data acquisition transfer without expensive host software modifications.

Upgrade your image.

Performance

Aiming:

Illumination LEDs	626nm ±30nm
Aiming LEDs	626nm ±30nm

Image: VGA, 640x480. Binary, TIFF, or JPEG output.

IT4800SR Working Range:	**8 mil Linear (.020cm)**	**10 mil PDF417 (.025cm)**	**13 mil UPC (.033cm)**	**6.6 mil PDF417 (.017cm)**	**15 mil Data Matrix (.038cm)**	**35 mil MaxiCode (.089cm)**
Near	2.9 in. (7.4cm)	2.5 in. (6.4cm)	1.9 in. (4.8cm)	3.9 in. (9.9cm)	3.1 in. (7.9cm)	1.4 in. (3.6cm)
Far	7 in. (17.8cm)	8.4 in. (21.3cm)	11.9 in. (30.2cm)	5.7 in. (14.5cm)	5.9 in. (15cm)	12.4 in. (31.5cm)

Skew Angle: ±40º

Pitch Angle: ±40º

Horizontal Velocity: 2 in. (5 cm) per second

Mechanical/Electrical

Dimensions

Length:	5.3 in. (13.5 cm)
Height	6.4 in. (16.3 cm)
Width:	3.2 in. (8.1 cm)
Weight:	7.5 oz. (213 g)

Housing: UL 94V0 grade

Power Requirements: 4.5 - 12Vdc at scanner

Current Draw (Typical):

	Input	Scanning	Idle
	5 V	310mA	40mA
	12 V	130mA	35mA

Power Supply

Noise Rejection: Maximum 100mV peak to peak, 10 to 100 kHz

Environmental

Temperature

Operating:	14ºF to +122ºF (-10ºC to +50ºC)
Storage:	-40ºF to 140ºF (-40ºC to +60ºC)

Humidity: 0 to 95%, non-condensing

Sealing: IP54 (water and dust resistant)

Mechanical Shock: Operational after 50 drops from 6.5 ft. (2 m) to concrete

Ambient Light: Total darkness to 100,00 lux (full sunlight)

ESD Protection: Functional after 100 discharges at 15kV

Vibration: Withstands 5G peak from 22 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 82,000 hours

Symbologies

2 Dimensional: PDF417, MicroPDF417, MaxiCode, Data Matrix, QR Code, Aztec, Aztec Mesas, Code 49, and UCC Composite.

Linear: Codabar, Code 39 including PARAF, Interleaved 2 of 5, Code 2 of 5, Code 11, Code 93, Code 128, UPC, EAN/JAN, RSS.

Postal: Postnet, Planet Code, British Post, China Post, Canadian Post, Japanese Post, KIX (Netherlands Post)

OCR Fonts: OCR-A, OCR-B

Interfaces: All popular PCs and terminals via keyboard wedge, keyboard replacement/direct connect, TTL level RS-232, TTL level Serial Wedge, USB, wand emulation, HHLC non-decoded laser compatible, True RS-232, IBM 468x, and IBM469x.

Warranty: Three year factory warranty.