

## Features

Supports All Popular 2D Symbologies - IT4410 supports all popular matrix and stacked linear symbologies: MaxiCode, Data Matrix, QR, and PDF417. Additional symbologies will be added as emerging codes are approved by AIM.

Hand Held Products Video Imaging Technology - Hand Held Products' over 20 years experience in developing videobased instruments for medical and industrial inspection is brought to 2D data collection systems.

Hand Held Reader - Opens up new 2D bar code and image capture possibilities in portable hand held and fixed scanning applications.

Omni-Directional Scanning - The video technology basis for the IT4410 means it can offer omni-directional scanning, even on linear codes, greatly simplifying operator training and increasing productivity.

Aiming - The IT4410 has a bright, intuitive aiming line.
Autodiscriminates Between Supported Symbologies and Fonts - Reads all major linear, stacked linear, and matrix bar codes, as well as machine readable fonts used in Optical Character Recognition (OCR).

2D Print Quality Assessment (PQA) - An easy and inexpensive approach to providing test results useful for 2D bar code symbol process control, and improvement of the overall 2D data acquisition system.

The Hand Held Products IMAGETEAM ${ }^{\text {TM }}$ (IT) 4410 High Density Image Reader is a hand held input device for reading and decoding two dimensional (2D) symbologies. The IT4410 offers integrated support for Matrix, stacked linear, and conventional linear bar codes, as well as a single line of OCR-A and OCR-B fonts. Multi-line OCR applications can also be read. The IT4410 is designed for reading high density matrix symbols. The IT4410 has the power to capture and download images to a PC for applications, such as signature capture, PC-based decoding, and image lift requirements.

Lightweight, balanced, and easy to use, the IT4410 can be used in repetitive, high volume hand scanning operations in even the most demanding environments. The IT4410 can be configured for keyboard wedge, Non Decoded Laser Output (Code 128 emulation), TTL, or True RS-232. The IT4410 connects to all popular PCs and portable data terminals. The Non Decoded Laser Output mode can be used with external wedge decoders and portable terminals or other devices without 2D decoding capability. The IT4410 can be integrated with all types of customer systems.

The IT4410 features integrated processing for a onepiece scanning solution - no additional boxes or electronics needed. The reader provides omnidirectional and auto-discrimination decoding for symbologies, such as MaxiCode, PDF417, QR, Data Matrix, Aztec code, RSS code, composite codes, postal codes, Code 39, Code 93, Interleaved 2 of 5, Codabar, Code 128, UPC, and EAN. Additional symbologies will be added based on market demand.

Because the IT4410 is a fixed focus device, four product models with different focal points are available. Two high density scanners are available: IT4410HD and IT4410HD10. The IT4410HD, with a focal point of 2 inches, is recommended when the matrix symbols are less than 10 mil. The IT4410HD10 is recommended for applications when the matrix codes are greater than 10 mil. This version, with a focal point of 3 inches, maximizes the depth of field on 10 mil matrix codes, which directly correlates to greater functionality by the end user. The long range (LR/LX) models of the IT4410 are highlighted in a separate data sheet.

## IMAGETEAM ${ }^{\text {TM }} 4410$ HD/HD10 Specifications

## Performance

HD Focal Point:
HD10 Focal Point:
HDWorking Range:
(typical)
Near
Far

HD10Working Range:
(typical)
Near
Far

2 inches from nose
3 inches from nose

| $\begin{aligned} & 6 \text { pt OCR } \\ & \underline{20} \mathrm{cpi} \end{aligned}$ | $\begin{aligned} & 6.6 \mathrm{mil} \text { QR } \\ & (.017 \mathrm{~cm}) \end{aligned}$ | 6.6 mil Data Matrix $(.017 \mathrm{~cm})$ |
| :---: | :---: | :---: |
| $2 \mathrm{in}.(5.1 \mathrm{~cm})$ | $1.7 \mathrm{in} .(4.3 \mathrm{~cm})$ | $1.7 \mathrm{in} .(4.3 \mathrm{~cm})$ |
| 3.5 in. (8.9 cm) | $2.45 \mathrm{in} .(6.2 \mathrm{~cm})$ | $2.45 \mathrm{in} .(6.2 \mathrm{~cm})$ |
| $\begin{gathered} 10 \mathrm{mil} \text { QR } \\ (.025 \mathrm{~cm}) \end{gathered}$ | 10 mil Data Matrix (. 025 cm ) | $5 \text { mil Linear }$ $(.013 \mathrm{~cm})$ |
| $2.0 \mathrm{in} .(5.1 \mathrm{~cm})$ | $2.2 \mathrm{in} .(5.6 \mathrm{~cm})$ | 2.75 in. (7.0 cm) |
| 4.0 in . (10.2 cm) | 3.8 in. (9.6 cm) | 3.75 in. (9.5 cm) |

4 mil Linear
$(.01 \mathrm{~cm})$
1.6 in. ( 4.6 cm )
$2.7 \mathrm{in} .(6.9 \mathrm{~cm})$

| Rotational Sensitivity: | $360^{\circ}$ |
| :--- | :--- |
| Viewing Angle: | $\pm 45^{\circ}$ |
| Ambient Light: | Total darkness to 100,000 lux (full sunlight) |
| Aiming: | 660 nm LEDs provide bright aiming line |

Symbologies
2 Dimensional:
Linear:

Postal:
OCR Fonts:
Interfaces:
Programmable
Options:

## Mechanical/Electrical

Dimensions
Length:
Height:
Width:
Weight w/o cord:
Power Requirements:
Current Draw:

Standby Current:
6.1 in. $(15.4 \mathrm{~cm})$
$5.6 \mathrm{in} .(14.2 \mathrm{~cm})$
2.5 in. ( 6.4 cm )

7 oz . $(198 \mathrm{~g})$ or less
4 to 9 volts
Lower Power Mode - average @ 5 VDC-40mA
Medium Power Mode - average @ 5 VDC-125mA High Power Mode - average @ 5 VDC-175mA
<200んA @ 5V

## Environmental

Temperature
Operating:
Storage:
Humidity:
Shock:
ESD:
Agency:
Seal Rating:
$-0^{\circ} \mathrm{C}$ to $50^{\circ} \mathrm{C}$
$-40^{\circ} \mathrm{C}$ to $+70^{\circ} \mathrm{C}$
$95 \% \mathrm{RH}$, non condensing at $50^{\circ} \mathrm{C}$
10 drops 5 ft . to concrete @ room temperature
Functional after 15KV discharge
FCC Class B, CE
IP52

Complies with EMC 89/336/EEC and LVD 73/23/EEC

## Worldwide Offices

Offices Serving North America
Skaneateles Falls, NY
or, in North America: +18005824263
or, in North America: +1 800
napresales@ handheld.com
napresales@ Charlotte, NC
Tel: +1 7049983998
or, in North America: +18005824263
napresales@ handheld.com

Offices Serving Europe,
Middle East, and Africa Europe
Tel: +31 (0) 402901600 eupresales@handheld.com United Kingdom
Tel: +44 (0) 1925240055 eupresales@handheld.com eupre
Italy
Tel:
Tel: +39 (0) 267100752 eupresales@handheld.com

| France | Offices Serving Asia and the |
| :--- | :--- |
| Tel: + 33 (0) 141158220 | Pacific Rim |
| eupresales@handheld.com | HongKong |
| Germany | Tel: +852 25113050 |
| Tel: +49(0)7477151377 | appresales@handheld.com |
| eupresales@handheld.com | Japan |
| Spain | Tel: +81357706312 |
| Tel: +34932287868 | appresales@handheld.com |
| eupresales@handheld.com | Offices Serving Latin America |
|  | Naples, Florida |
|  | Tel:+1239263 7600 |
|  | lapresales@handheld.com |

Offices Serving Asia and the Pacific Rim
Tel: + 85225113050
appresales@handheld.com
Japan
el: +81357706312
ppresales@handheld.com
Naples, Florida
Tel: +12392637600
lapresales@handheld.com

