

IMAGETEAM™ 4400OCR Series

OCR-Capable Hand Held 2D Image Reader



Description

The OCR-capable IMAGETEAM (IT) 4400 Image Reader is a hand held input device that reads and decodes linear and two dimensional (2D) bar code symbologies, as well as machine readable fonts used in optical character recognition (OCR). By combining the advanced imaging capability of the IT4400 with Caere® Corporation's leading edge OCR decoding software, the OCR-capable IT4400 (IT4400OCR) provides unprecedented non-contact OCR scanning for applications in the retail, banking/finance, transportation/distribution, postal/courier, law enforcement, agriculture, and utility industries.

The IT4400OCR is available in two models with a choice of interfaces. The IT4400OCR/LR, designed for low and medium density codes, is perfect for general linear or 2D applications, and reads 6 to 60 point OCR typeface. The IT4400OCR/HD reads OCR type of 6 to 24 points, and is ideally suited to manufacturing, clinical, and small parts marking applications.

Both models read all major linear, stacked linear, and matrix bar codes, as well as a single line of OCR-A, OCR-B, or MICR E-13B type. Custom fonts can also be read. Contact a Welch Allyn representative for a quote.

Features

Unprecedented Non-Contact OCR on Fonts from 6 to 60 Points

Keyboard Wedge Interface

Supports All Major Bar Code Symbologies and OCR Fonts

Autodiscriminates Between Supported Symbologies and Fonts

Advanced Data Editing

Benefits

- **Cost Effective, Low Risk Installation**

Increase accuracy and efficiency without changing existing media, printers, or processes. The IT4400OCR reads machine readable text in non-standard font sizes from most types of media.

- **Automatic Data Collection in an Instant**

Simply plug the IT4400OCR into your PC and pull the trigger. Scanned data is entered as if it had been typed from the keyboard. An RS-232 interface is also available.

- **Protects Your Investment**

Linear/stacked linear/matrix support provides an upgrade path for future applications.

- **Allows for Hybrid Applications**

Mix linear, stacked linear, and matrix symbologies with a human readable, OCR font for complete, secure data capture at the point of scanning.

- **Enhanced OCR Accuracy**

The Image Editor validates input, then formats output to fit virtually any application.

Markets and Applications

- Postal USPS Certified/Registered Mail
- Manufacturing WIP/Part Number Tracking
- Retail/Mfg Product Serial Number Tracking
- Personal ID ID Badges
- Government Vehicle Identification Labels
- Retail Shelf Location Labels
- Retail Returns Processing
- Retail POS ISBN Decoding
- Finance/Banking Stock Certificate Tracking
- Health Care Pharmaceutical Dispensation

Specifications

Performance

LR Working Range:	7.5 mil Linear (.019 cm)	6 pt OCR 20 cpi	16 pt OCR 7.5 cpi	15 mil Data Matrix (.038 cm)	15 mil Aztec or QR (.038 cm)	35 mil Maxicode (0.089 cm)
Near	3 in. (7.6 cm)	2.7 in. (6.9 cm)	3 in. (7.6 cm)	2.5 in. (6.4 cm)	3.5 in. (8.9 cm)	2 in. (5.1 cm)
Far	5 in. (12.7 cm)	4.2 in. (10.7 cm)	9 in. (22.9 cm)	4 in. (10.2 cm)	5 in. (12.7 cm)	9 in. (22.9 cm)

HD Working Range:	4 mil Linear (.01 cm)	6.6 mil Data Matrix (.017 cm)	6 pt OCR 20 cpi
Near	1.75 in. (4.4 cm)	1.7 in. (4.3 cm)	2 in. (5.1 cm)
Far	2.75 in. (7 cm)	2.45 in. (6.2 cm)	3.5 in. (8.9 cm)

Bar Code Symbolologies

Matrix:	MaxiCode, Aztec, Data Matrix (ECC 000, 050, 080, 100, 140, 200), QR Code
Stacked Linear:	PDF417, micro PDF, Code 49, Aztec Mesa
Linear:	Code 39, Code 128, Codabar, UPC, I 2 of 5, EAN, Code 93, Code Z
Postal:	POSTNET, Japanese, Dutch (Kix), British, Canadian

OCR Fonts

OCR-A:	0123456789 ABCDEFGHIJKLMNOPQRSTUVWXYZ
OCR-B:	0123456789 ABCDEFGHIJKLMNOPQRSTUVWXYZ
MICR E-13B:	0 1 2 3 4 5 6 7 8 9 , ' " # \$ % & ' () * + , - . / : ; < = > ? [\] ^ _ ` { } ~

Office Font Numerics: 0123456789 in True Type Arial, Times, and Courier fonts

Reading Performance: Single line, single font up to 40 characters (font dependent)
Field finding, skew and OCR in 600 ms

Accuracy: Comparable to bar code when a check digit is used.

Interfaces: Keyboard Wedge, RS-232

Programmable Options: Baud, Parity, Data Formatting, Code Options, Check Digit Validation

Mechanical/Electrical

Dimensions

Length:	5.6 in. (14.2 cm)
Width:	2.5 in. (6.4 cm)
Weight w/o cord:	7.18 oz. (203 g)
Power Requirements:	4V - 14 volts
Current Draw:	620mA average @ 5V while decoding
Standby Current:	200µA @ 5V

Environmental

Temperature

Operating:	5°C to 40°C
Storage:	-40° to +65°C

Humidity: 10% - 90% RH, non condensing at 50°C

Shock: Multiple 6 ft. drops to concrete

ESD: Functional after 15KV discharge

Agency: FCC Class B, CE

CDRH Laser Safety Statement:

This product complies with US DHHS 21 CFR J Part 1040.10. This product is a CLASS II LASER PRODUCT with a maximum output of 1.0 mW at 670 nanometers and continuous wave.

EN 60825-1 Laser Safety Statement:

This product is classified as a CLASS 2 LASER PRODUCT with a maximum output of 1 mW at 670 nanometers per EN 60825-1:1994, Issue 2, June 1997.

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Printed in the U.S.A.

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