HTDB-100F/FM

Handheld 1D/2D Barcode Reader, 1280x1024, 10 ~ 270 mm Reading Distance, USB Interface
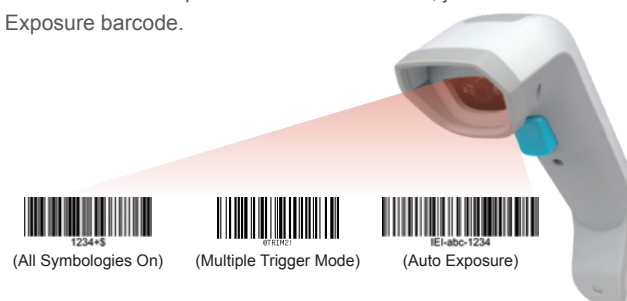
New

◄ HTDB-100FM

HTDB-100F ►

Features

- Read 1D, 2D barcodes on paper and mobile phones
- Strong ability to read barcodes and to fast decode broken, curved and blurry printed barcode
- Read multiple barcodes by holding the trigger
- IP41 rating against dust and moisture
- Rugged design, 1.8 m/5.9 ft. drop to concrete
- Ergonomic and beautiful design for long time usage, suitable for left- and right-handed users
- Medical Grade Design: Anti-bacterial surface (HTDB-100FM)

Windows 7/8.1/10 | **32/64 Bit** | **1D Barcode Reader** | **2D Barcode Reader** | **IP 41**

Specifications

◆ Electrical

Interface	RJ-45 to USB 2.0
Input Voltage	5 V
Operating Power	2 W ~ 3 W

◆ Mechanical

Dimensions (HxWxD)	17.5 cm x 5.9 cm x 11.2 cm
Weight	120 g

◆ Environmental

Drop	Designed to withstand 20 times of 1.8 m drops to concrete on each of the faces
Sealing	IP 41
Operating Temperature	0°C to 55°C (32°F to 131°F)
Storage Temperature	-10°C to 65°C (13°F to 149°F)
Humidity	0 to 95% relative humidity, non-condensing
Light Levels	0 to 100,000 lux (9,290 foot-candles)

◆ Light Source

Aiming Pattern	Green LED
Illumination	660 nm LED

◆ System Requirement

IEI HTDB Utility	Microsoft Windows 7/8.1/10 (32-bit & 64-bit)
SDK	Windows: Provides SDK and demo program with sample source code Linux: Provides SDK and demo program with sample source code (Ubuntu 16.04 LTS)

◆ Scan Performance

Scan Pattern	Area image (1280 x 1024 pixel array, 1.3-megapixel)
Motion Tolerance	Up to 350 cm/s for 13 mil UPC at optimal focus
Depth of Field	10 mm ~ 270 mm
FOV	Horizontal: 42.4º Vertical: 34.4º Diagonal: 53º
Print Contrast	20% minimum reflectance difference
MTF	100 lp/mm (>10%)

◆ Symbologies

1D	UPC/EAN, UPC/EAN with supplementals, Bookland EAN, ISSN, UCC Coupon Extended Code, Code 128, GS1-128, ISBT 128, Code 39, Code 39 Full ASCII, Code 93, Interleaved 2 of 5, Codabar, MSI
2D	MicroPDF417, PDF417, Data Matrix, QR Code, Micro QR Code

◆ Certification

Electrical Safety	UL60950-1 2nd ed, CSA C22.2 No. 60950-1 2nd ed, EN60950-1/IEC60950-1 2nd ed
LED Safety	IEC/EN62471
EMI/RFI	FCC Part 15 Class B, EN55032 Class B, EN55024, Medical Electrical Equipment:EN60601-1-2, FCC Part 18

◆ Other

Green Compliant	Yes
Green Compliant Certificate/Authority	WEEE, RoHS

Easy Setting for Barcode Preference or Symbology

To configure the barcode reader, simply scan the corresponding barcode symbols listed in the user manual. For example, if the user needs to set the exposure mode to automatic, just scan the Auto Exposure barcode.

1234+$ (All Symbologies On)

@TRIM21 (Multiple Trigger Mode)

IEI-abc-1234 (Auto Exposure)

External Overview

59.95 mm

Scan Window →

Trigger Button →

175.41 mm

Decode LED

Power LED

RJ-45 Port (RJ-45 to USB cable)

Applications

Medical

The HTDB-100F/FM can be used with medication cart or in operating room/ pharmacy/emergency room.

Industry

The HTDB-100F/FM can be used in production lines or warehouses.

Food

The HTDB-100F/FM can be used in discount stores or supermarkets.

Read Multiple Barcodes

IEI handheld barcode reader has the capability to read multiple barcodes printed on one label. When you need to read multiple barcodes, just scan "Enabling to read multiple barcode" in the barcode preference of the user manual. Then, scan and read the barcodes one by one by continually holding the trigger button.

With this feature, you can not only reduce the frequency of button usage, but also increase efficiency. IEI barcode reader can block duplicate data from being sent. Therefore, lots of works for data comparison and information processing can be reduced in the application system.

HTDB-100F/FM Decode Range

Barcode Type	code39	code128	UPCE
Symbol Denisity	7.5mil	7.5mil	13mil
Type	*C39042368*	C1281903625	0 425261 4
Working Ranges	30mm - 145mm	35mm - 145mm	20mm - 250mm

Barcode Type	Data Matrix		QR code	
Symbol Denisity	10mil	20mil	10mil	20mil
Type				
Working Ranges	35mm - 170mm	15mm - 270mm	35mm - 180mm	10mm - 270mm

Packing List

1 x HDTB-100F/FM handheld 1D/2D barcode reader	
1 x RJ-45 to USB cable	1 x QIG

RJ-45 to USB cable
(HDTB-100F only)

RJ-45 to USB cable
(HDTB-100FM only)

Ordering Information

Part No.	Description
HTDB-100FM-R10	Handheld 1D/2D Barcode Reader, 1280x1024, 10 ~ 270 mm reading distance, anti-bacterial surface, USB interface, RoHS
HTDB-100F-R10	Handheld 1D/2D Barcode Reader, 1280x1024, 10 ~ 270 mm reading distance, USB interface, RoHS

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