**HTDB-100F/FM**



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

◄ 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)

## *Specifications*

***7/8.1/10***

***32/64***Bit

1D Barcode Reader

2D Barcode

Reader IP 41

# Easy Setting for Barcode Preference or Symbology

Windows

|  |  |
| --- | --- |
| 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 |

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.



(All Symbologies On)

(Multiple Trigger Mode)

(Auto Exposure)

# External Overview



Scan Window



Trigger Button

175.41 mm

59.95 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*



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



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

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

***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 |