

# HTDB-100FM

Handheld Barcode Reader with 1D/2D Barcode Decoding, 1280x1024, 10 ~ 270 mm Reading Distance, Anti-bacterial Surface, USB Interface

**New**



## Features

- ◆ Medical Grade Design
  - Anti-bacterial surface
  - IP 41 protection class
  - Designed to withstand 20 times of 1.8 m drops to concrete on each of the faces
- ◆ Supports 1D and 2D Barcode Decoding
  - ISV Decode Algorithms/Technology
- ◆ Easy Connectivity
  - RJ-45 to USB I/O interface
- ◆ Easy Setup



## 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 | 520 ~ 535 nm LED |
| Illumination   | 646 ~ 666 nm LED |

### ◆ System Requirement

|            |  |
|------------|--|
| OS Support | Microsoft Windows 7/8.1(32-bit&64-bit)   |
| SDK        | Windows: Provides SDK and demo program with sample source code<br>Linux: Provides SDK and demo program with sample source code |

### ◆ Scan Performance

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

### ◆ Symbologies

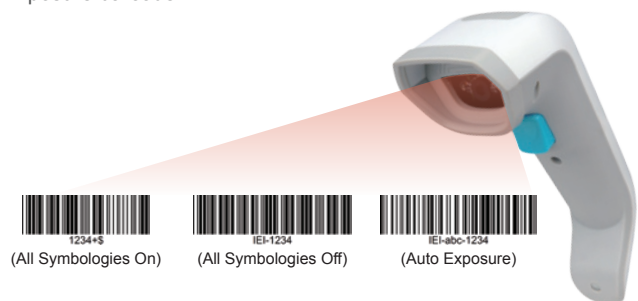
|    |  |
|----|--|
| 1D | UPC/EAN, UPC/EAN with supplementals, Bookland EAN, ISSN, UCC Coupon Extended Code, Code 128, GS1-128, ISBT 128, Code 39, Code 39 Full ASCII, Code 93, Interleaved 2 of 5, Codabar, MSI |
| 2D | MicroPDF417, PDF417, Data Matrix, QR Code, Micro QR Code   |

### ◆ Certification

|                   |  |
|-------------------|--|
| Electrical Safety | UL60950-1 2nd ed, EN60950-1/IEC60950-1 2nd ed  |
| LED Safety        | IEC 62471 and EN 62471   |
| EMI/RFI           | FCC Part 15 Class B, EN55022 Class B, EN55024, Medical Electrical Equipment:EN60601-1-2, FCC Part 18 |

## 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.



## HTDB-100FM Decode Range

| HTDB-100FM Decode Range          | mil | Distance (mm) |
|----------------------------------|-----|---------------|
| code39 (Calibration Test Cards)  | 7.5 | 30 mm - 145mm |
| code128 (Calibration Test Cards) | 7.5 | 35 mm - 145mm |
| UPCE (Calibration Test Cards)    | 13  | 20mm - 250mm  |
| QR code                          | 10  | 35mm - 180mm  |
|                                  | 20  | 10mm-270mm    |
| Data Matrix                      | 10  | 35mm-170mm    |
|                                  | 20  | 15mm-270mm    |

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Power Supply/Peripherals

6

All-in-One System

## Application Place



### Medical

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



### Industrial

The HTDB-100FM can be used in the production line/warehouse.



### Food

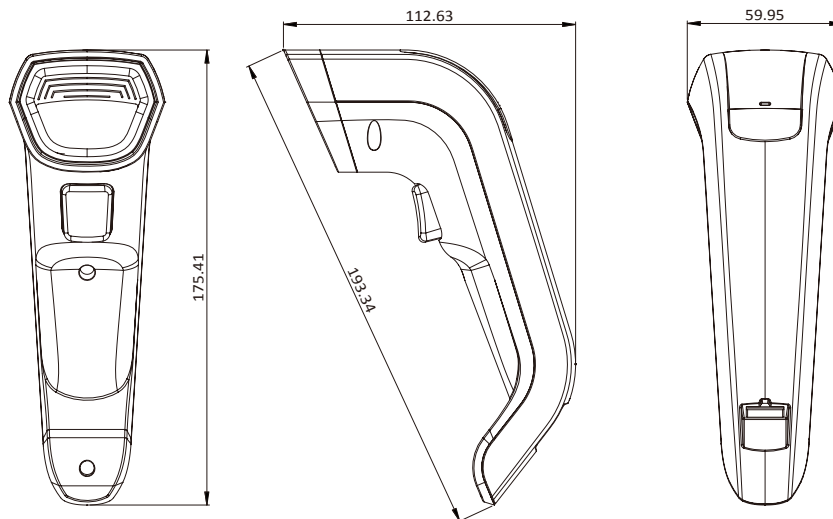
The HTDB-100FM can be used in the discount stores/supermarket.

## External Overview



### HTDB-100FM Dimensions

(Unit: mm)



### Packing List

1 x HDTB-100F series handheld barcode reader

1 x RJ-45 to USB cable

1 x QIG

### Ordering Information

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

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