

# D-Tech DB-5082

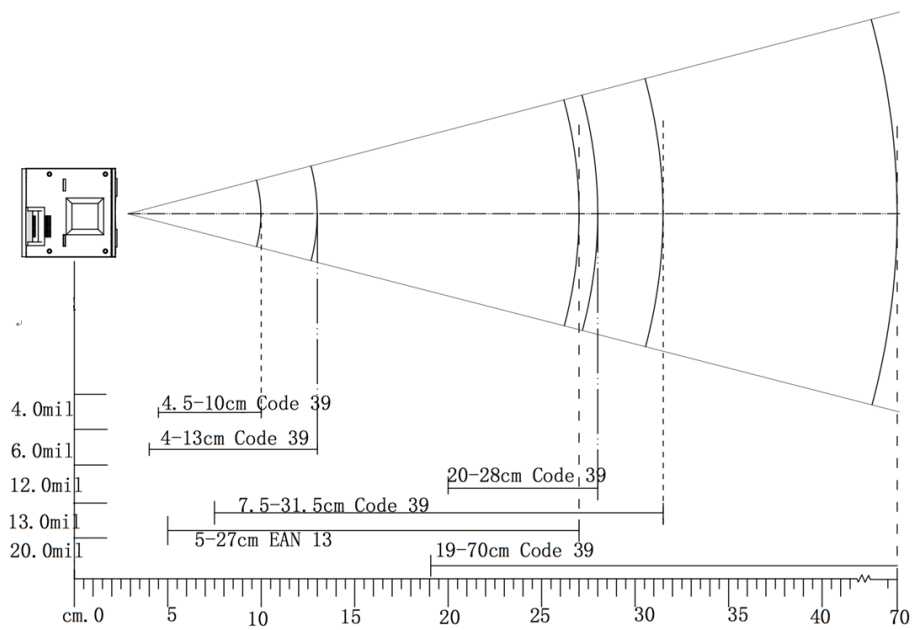


( 1D Wireless CCD scanners )

| Technical parameters                |   |
|-------------------------------------|---|
| Wireless specifications             |   |
| Communications                      | 2.4GHz  |
| Communication frequency             | 2.402--2.480GHz   |
| Transmission range                  | Up to 50M ( Line of sight in empty area 50M )   |
| Data rate                           | 1Mbps   |
| Memory                              | 500@13Byte barcode  |
| Battery capacity                    | 1500mAh (Lithium battery)   |
| Charging time                       | 4.5H  |
| The working time of the full charge | 4h ( continuous reading situation )<br><br>9.5h ( Manual reading situation )<br><br>More than 15 days ( Stand-by time |
| Communication mode                  | Read-time mode/Inventory mode   |
| Electrical Characteristics          |   |

|                             |  |
|-----------------------------|--|
| Interface                   | USB HID KEYBOARD ( Wireless receiver )   |
| Voltage requirement         | DC 5V±10%  |
| Current consumption         | Max:120mA<br><br>Min : 50mA  |
| Optical Characteristics     |  |
| Photo sensor                | CCD linear sensor  |
| Sensor Resolution           | 2500pix  |
| Light source                | 632nm red led  |
| Performance Characteristics |  |
| Scan Rate:                  | 350±50 (scans/second)  |
| Decode angle                | Pitch angle:±30°<br><br>Skew angle:±70°<br><br>Tilt angle:±45°   |
| Curvature                   | R≥15 mm (EAN8) , R≥20 mm (EAN13)( resolution=0.26mm , PCS=0.9 )  |
| Min resolution              | 0.127mm/5mil ( PCS 0.9 )   |
| Min .PCS value              | > 25%UPC/EAN 13 ( 13mil )  |
| Language                    | -  |
| Identification              | EAN13, EAN8, UPC A, UPC E, CODABAR ( NW-7 ) , CODE 39, CODE 93, INTERLEAVED 2OF5, STANDARD 2OF5, MATRIX 2OF5, CODE 128, EAN/UCC 128, CODE 11, CHINESE POST |
| Physical Characteristics    |  |

|                               |   |
|-------------------------------|---|
| Dimensions                    | Scanner: 97 mm x 67 mm x165mm (L*W*H)<br>Receiver: 68mm*25mm*11mm(L*W*H)                |
| Weight                        | 162g Scanner: 162g<br>16g received: 16g   |
| Environmental Characteristics |   |
| Temp                          | -30°- 70°C /-22°至 158°F(storage)  |
| Humidity                      | 5 - 90% (operation) ) 5 - 90% (storage)   |
| Ambient Light:                | fluorescent light 4000 lx max , direct sun light 80,000 lx max ,white light 4000 lx max |
| Shock drop test               | 1.5m drop onto concrete surface   |
| Regulatory                    |   |
| Electrical Safety             | UL 60950 , EN/IEC 60950   |
| EMI/RFI                       | FCC Part 15 Class B,EN 55024/CISPR 22   |
| Environmental                 | RoHS  |



Depth of field

| Symbology | Resolution<br>mm(mil) | Depths of Field | Digits |
|-----------|-----------------------|-----------------|--------|
| Code 39   | 0.101(4mil)           | 4.5-10cm        | 6      |
| Code 39   | 0.152(6mil)           | 4-13cm          | 12     |
| Code 39   | 0.30(12mil)           | 20-28cm         | 13     |
| Code 39   | 0.33(13mil)           | 7.5-31.5cm      | 12     |
| EAN 13    | 0.33(13mil)           | 5-27cm          | 13     |
| Code 39   | 0.86(34mil)           | 19-70cm         | 10     |