# ST10-71 Wireless Series Specification

## Wireless Connections

| Communications | Bluetooth 4.2, Class 2 |
|---|---|
| Radio Range | 10m (30 feet) |

## Physical Characteristics

| Size | Scanner:92mm x75mm x 184 mm(L*W*H) |
|---|---|
| | Base:221mm x89mm x 71mm(L*W*H) |
| Weight | Scanner: 360g    Base:220g |
| Input Voltage | DC 5V±5% |
| Working Current | 290mA |
| Stand-by Current | 40mA |
| Color | Blue+Black |
| Interface | USB HID Keyboard/USB VCP/RS232 |
| Indicator | LED Indicator/Buzzer/Vibration |
| Battery | 2500mAh rechargeable lithium battery |

## Performance Characteristics

| Full Charge Time | Whole machine charging time:5h<br>Battery compartment charging time:3h |
|---|---|
| Lighting Source | Red LED |
| Aiming light | Red dot |
| Filed of view | Level:14°, Vertical:10.5° |
| Sensor Resolution | 1280 x 800 pixels |
| Min Print Contras | Min reflection difference 20% |
| Scan Angle | Tilt Angle:-60° to 0°, 0° to +60° |
| | Skew Angle:-60° to 0°, 0° to +60° |
| | Rotate Angle:-180° to 0°, 0° to +180° |
| Reading Accuracy | 1D Linear: 2.5 mil<br>PDF: 3 mil<br>Datamatrix: 5mil |

## Working Environment

| Temperature | -20°C~50°C/-4°F ~ 122°F (Operating) |
|---|---|
| | -40°C~70°C/-40°F ~ 158°F(Storage) |
| Humidity | 0-95% (No condensation) |
| Drop Test | Scanner: Can withstand 50 times drops of falling from 2 meters to concrete surface |
| Tumble Test | Scanner: Can withstand 5000 rolls within 1 meter |
| Leakproofness Grade | Scanner: IP67  Base: IP51 |
| Barcode Reading Distance Range | Code 39 (3 mil) : 15 - 95 cm<br>Code 39 (20 mil) : up to 500 cm<br>Data Matrix (10 mil) : 15 - 100 cm<br>Data Matrix (55 mil) : up to 550cm<br>EAN-13 (13 mil) : 20 - 300 cm<br>Code128 (40 mil) :  up to 800cm |

## Decoding Ability

| 1D | Auto discriminates all standard 1D codes including GS1 DataBar™ linear codes. |
|---|---|
| 2D | AztecCode, ChinaHanXinCode, DataMatrix,MaxiCode, MicroQRCode, QRCode<br>**Postal Codes:** Australian Post, British Post, China Post, IMB, JapanesePost, KIXPost, KoreaPost, PlanetCode, Postnet, Royal Mail Code(RM4SCC)<br>**Stacked Codes:** EAN/JAN Composites, GS1 DataBar Composites, GS1 DataBar Expanded Stacked, GS1Data Bar Stacked, GS1 DataBar Stacked Omnidirectional, MacroPDF, MicroPDF417,PDF417,UPCA/EComposites |

## Laws and Regulations

| Environmental parameters | Compliance with EU RoHS |
|---|---|
| Electrical Safety | EU Security Law:  EN 62368-1:2014+ EN 62479:2010 + ETSI EN 301 489-1 V2.1.1 (2017-02) + ETSI EN 301 489-17 V3.1.1 (2017-02) +ETSI EN 300 328 V2.1.1 (2016-11)<br>U.S. Security Law:FCC Part15 Subpart C 2018, Section 15.247 |

## Accessories

| Standard accessories | Barcode scanner,Base,  Data cable, Manual, Power adapter, Power Adapter supply line |
|---|---|

RoHS  CE  FC