IP65 Protection Level

ST10-71 Industrial Barcode Scanner

ST10-71 Series

Product Introduction

ST10-71 series durable scanner , sturdy and durable, can meet the world's very harsh environment (warehouse and manufacturing workshop) needs.this scanner has a powerful auto focus system. Through fast focusing, the scanner can scan distances as close as 15 cm/6 inches and as far as more than 20 meters/65 feet.therefore, the operator can easily move from the short-range barcode to the barcode on the top of the warehouse shelf.the powerful LED lighting system projects a regular pattern with sharp edges, which can be used as a field of view indicator in the close-up lens area, and the laser sight makes the scanner easy to aim in long-distance scanning.equipped with a stable and easy-to-use Bluetooth function, redefining your product quality and customer service to a new level.

Application Industry

Factory Automation

- Material picking
  Shipping/receiving
- Order processing

Order processing

- Process tracking
- Spare parts tracking

Warehouse/logistics center

  Forklift Picking Application
- Shipment/Receipt
- Package preparation

◆ **Excellent decoding ability**：

ST10-71 is a scanner that can read barcodes far and near. It has a powerful auto focus system that can quickly read barcodes from 15 cm/6 inches to 20 meters/65 feet.
ST10-71 has a powerful aiming beam and lighting, so the operator can easily read 1D/2D codes in all directions.

Excellent reading experience：

Vibration motor,loud beeps provide good reading feedback.

◆ **Strong and durable**：

T10-71 series has been tested to withstand the harshest environment. Its industrial grade reaches IP67. It can withstand 5000 rolls within 1m and 50 drops from 2m to the concrete floor.

ST10-71 Series Specification

Physical Characteristics

Size	Scanner: 127mm*73mm* 173mm(L*W*H)
Weight	Scanner：260g
Input Voltage	DC 5V±5%
Working Current	290mA（Under normal circumstances）
Stand-by Current	40mA（Under normal circumstances）
Color	Blue+Black
Interface	USB HID Keyboard/USB VCP/RS232
Indicator	LED Indicator/Buzzer/Vibration
Battery	2400mAh rechargeable lithium battery

Performance Characteristics

Full Charge Time	Whole machine charging time：5h 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
Sensor Resolution	Minimum reflection difference 20%
Scan Angle	Tilt (lower or raise the reading window)：-60° to 0°，0° to +60°
	Offset (rotate the reading window from left to right or right to left)：-60° to 0°，0° to +60°
	Rotate (rotate the reading window clockwise or counterclockwise)：-180° to 0°，0° to +180°
Reading Accuracy	1D Linear: 2.5 mils PDF: 3 mils Datamatrix: 5 mils

Working Environment

Operating Temperature	-20°C~50°C/-4°F ~ 122°F
Storage Temperture	-40°C~70°C/-40°F ~ 158°F
Light Resistance	0 to 100,000 lux
Humidity	0-95%（No condensation）
Drop specification	Scanner：Can withstand 50 impacts of falling from 2 meters to concrete
Roll off specifications	Scanner: can withstand 5000 rolls within 1m
Tightness	Scanner：IP67
Dept of field	FA: 3 mils Code 39: 15.0 to 95.0 cm / 5.9 to 37.4 in 20 mils Code 39: up to 500.0 cm / 5.9 to 196.9 in 10 mils Data Matrix: 15.0 to 100.0 cm / 5.9 to 39.4 in 55 mils Data Matrix: up to 550.0 cm / 11.8 to 216.5 in 13 mils EAN-13: 20.0 to 300.0 cm / 7.8 to 118.1 in 40 mils code128：up to 850.0 cm / 23.6 to 335.0 in

Decoding Ability

1D	Auto discriminates all standard 1D codes including GS1 DataBar™ linear codes.
2D	Aztec Code; China Han Xin Code; Data Matrix; MaxiCode; Micro QR Code; QR Code
Postal Codes	Australian Post; British Post; China Post; IMB; Japanese Post; KIX Post; Korea Post; Planet Code; Postnet; Royal Mail Code (RM4SCC)
Stacked Codes	EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MacroPDF; MicroPDF417; PDF417; UPC A/E Composites

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） U.S. Security Law：FCC Part15 Subpart C 2018，Section 15.247

RoHS CE FC

Official Website: