

ST10-70 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: 300g 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 Battery compartment charging time : 3h
Lighting Source	White LED
Aiming light	Red cross laser
Filed of view	SR&DL: H: 42°, V: 32° WA: H: 52°, V:40°
Sensor Resolution	1280 x 960 pixels
Min Print Contrast	Min reflection difference 25%
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(WA&DL) -3 mil (SR) PDF: 3 mil(WA&DL) -6.6 mil (SR) Datamatrix: 6mil (WA&DL) -7.5 mil (SR)

Working Environment

Temperature	-20°C至50°C/-4°F 至 122°F			
	-40°C至70°C/-40°F 至 158°F			
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		SR	WA	DL
	Code 39 (3 mil)	13 - 22cm	5 - 18cm	6.5 - 20cm
	Code 39 (5 mil)	8.5 - 36cm	3 - 24cm	3.5 - 29cm
	Data Matrix (10 mil)	10 - 28cm	4 - 20cm	7.5 - 26cm
	EAN-13 (13 mil)	4.5 - 74cm	3.5 - 37cm	4.5 - 42cm
	Data Matrix (15 mil)	6.5 - 40cm	3 to 25cm	5.5 - 32cm
	Code 39 (20mil)	Up to 110cm	Up to 60cm	Up to 60cm

Decoding Ability

1D	Auto discriminates all standard 1D codes including GS1 DataBar™ linear codes.
2D	AztecCode, ChinaHanXinCode, DataMatrix, Maxi-Code, MicroQRCode, QRCode PostalCodes : AustralianPost, BritishPost, ChinaPost, IMB, JapanesePost, KIXPost, KoreaPost, PlanetCode, Postnet, Royal Mail Code(RM4SCC) StackedCodes : 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) 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
----------------------	--