SophistiScan

SQ300

2D Handheld Barcode Scanner

Superior out-of-box experience
Unmatched Scanning performance

SQ300 Handheld scanner provides superior scan Performance extended depth of field, which combine to deliver an ergonomic solution for scan intensive applications

* Comfortable, ergonomic design.
* Highly versatile DOF.

All-Round Scanning Capability
 SQ300 equipped with new generation 2D imaging barcode scanning technology, easily reading barcodes on various types of surface material, mobile / computer screen and forth.
* New generation CMOS image sensor.
* Intelligent auxiliary aiming & lighting system.

Declassify Highly-distorted Barcodes
The new generation image sensor offers state-of-the-art performance when scanning highly-distorted barcodes, including very small and high density ones, with impressive speed and ease.

Ergonomic Design
Optimized for intensive hand-held scanning, maximally reducing user fatigue in scan-intensive application.

Gun-Shaped Form
Simply plug the cable into the host system and the SQ300 scanner will automatically configure itself to the appropriate interface, shortening the installation process.

Easy Plug & Play

Trendy & Elegant Design
The SQ300 handheld scanner stands out with an elegant and trendy design, user friendly ergonomics and features the most advanced image sensor with red light illumination 2D technology for outstanding performance.

Class-leading Durability
The SQ300 handheld scanner undergoes strict laboratory and real-life working environment testing to ensure the durability and the ruggedness of scanner.
* Trigger service Life: 5 millions times

Rugged and durable construction
With an IP42 rating, the SQ300 is protected against water and dust, and is capable of withstanding multiple drops to concrete from 1.5 meters, effectively fulfilling the industrial standard.

Basic Characteristics

Dimensions:	93（D）*63（W）*166（H）
Weight:	138g
Housing Materials:	PC+TPU
Notification:	Buzzer, LED Indicator

Interface

Scanner Interface	RJ-45 crystal head
Interfaces	RS-232 Serial Port, USB, USB Virtual Serial Port
Trigger:	Manual keystroke, induction recognition, continuous recognition

Scanning Parameter

Image Sensor:	CMOS
Pixel:	640x480
Illumination:	White LED
Focus:	Infrared LED

Electrical Parameter

Operating Voltage:	5VDC±10%
Operating Current:	Standby：100mA；Work：230mA
Power:	Standby： 0.5W； Work：1.15W

Environment Parameter

Operating Temperature	-20 ℃~+50℃
Storage Temperature	-40℃~+70℃
Relative Humidity	5%~95%（No Condensation）
ESD	±15 kV Air Discharge， ±8 kV Direct Discharge
Anti-shock Ability	1.5 m
Protection Grade	IP42
Test Condition	Environment temperature: 23ºC
	Environment illumination: 300LUX filament lamp
	DOF depends on the resolution, contrast of the printing codebar, and the environmen illumination

Symbologies

Typical DOF:	5mil Code39： 20mm–150mm
	13mil ENA： 30mm–300mm
	6.7mil PDF417： 25mm–130mm 10mil DM： 15mm–100mm
	20mil. QR： 15mm–210mm
Recognition Sensitivity:	Pitch±60º Tilt360º Skew±60º
FOV:	Horizontal: 40 °, vertical: 30°
Symbol Contrast:	≥20%
Resolution :	≥3mil
Barcode Content:	2D: PDF417, QR Code, Data Matrix, HanXin, Maxicode , Postal Codes etc .
	1D: Code128, UCC/EAN-128, AIM128, EAN-8, EAN-13, ISBN/ISSN, UPC-E,UPC-A,Interleaved 2 of 5, ITF-6, ITF-4, Matrix 2 of5,Industrial 25, Standard 25, Code39, Codabar, Code 93, Code 11, Plessey, MSI-Plessey, RSS-14、 RSS-Limited、RSS-Expand etc.

Certification	CE, FCC, ROHS
Included	1) SQ300
	2) Stand
	3) USB Cable
	4) User Manual
Optional accessory	RS232 Cable , Stand
Warranty	3 Years
Part Number	SQ300