



S303D

FEATURES

- + High speed, omnidirectional reading of 1D, 2D and postal barcodes
- + Manual or automatic triggering
- + Reliable barcode reading from cell phone screens
- + Low power consumption
- + Rugged gun type design with durable over-molded housing for tough working conditions

2D Omnidirectional Scanner

The S303D omnidirectional imaging scanner facilitates high speed reading of both 1D and 2D barcodes. The omnidirectional reading design eliminates the need to align the barcode with the scan pattern or pause between scans. The fast point-and-shoot scanning technique can even be used on damaged and poorly printed barcodes. The over-molded housing and secured cable protects the unit from drops and shock damages



S303D specifications

SCANNING

Aiming element:	617 nm LED Illumination element 617 nm LED
Optical system:	1280H x 80V pixels (1.0M)
Scan angle:	38.2° horizontal; 24.3° vertical
Depth of field:	Code 39 (5mil): 50 – 140mm EAN13 (13mil): 40 – 330mm (Note: DOF may vary depending on environment condition and barcode quality)
Sensitivity:	5 mil (Code 39)
Print contrast:	30% @ UPC / EAN 100%
Indicator:	Bi-color LED (blue & red)
Programmable operation:	Scan mode, interface mode, beeper tone
System interface:	USB (HID and Virtual COM port interface selectable)

ELECTRICAL

Input voltage:	5 VDC \pm 10%
Operating current:	400 mA typical

ENVIRONMENTAL

Operating temperature:	32°F to 122°F (0°C to 50°C)
Storage temperature:	-4°F to 140°F (-20°C to 60°C)
Humidity:	5% to 95% RH (non-condensing)
Drop durability:	Designed to withstand 1.5M drops
ESD protection:	8KV contact, 15KV air

MECHANICAL

Dimension:	7.0in x 2.7in x 4.2in (18.0cm x 7.0cm x 10.7cm)
Weight:	.3lbs (150g)
Interface cable:	Standard 2M straight

REGULATORY

EMC:	CE & FCC DOC compliance, VCCI, BSMI
Safety:	IEC 62471 exempt

DECODING CAPABILITY

1D barcode:	UPC/EAN (UPCA/UPCE/EAN-8/EAN-13), ISBN (Bookland), ISSN, Code 39 (standard, full ASCII trioptic), Code 32 (Italian pharmacode), Code128, Code 93, Codabar, Interleaved 2 of 5, Discrete 2 of 5, IATA, Chinese 2 of 5, Matrix 2 of 5, Code 11, MSI Plessey, GS1 DataBar (omnidirectional, truncated, stacked, stacked omnidirectional limited, expanded, expanded stacked)
2D barcode:	PDF417, MicroPDF417, Composite Codes, (CC-A, CC-B, CC-C), Aztec (standard inverse), Maxicode, Data Matrix/ ECC200 (standard inverse), QR Code, QR Code Micro

