



SL220

iOS Sled Scanner



Support iOS utility and SDK | Support Pick List function | Premier barcode reading with 10 M

With easy operation and a seamless conversion process, SL220 provides convenience and significantly boosts your work efficiency. Whether you are in warehousing, retail, or any other industry, this user-friendly solution allows you to capture barcodes swiftly and accurately, streamlining your workflow.

Superior 2D Scanning Performance

SL220 supports a wide variety of barcode types and offers an impressive scanning distance of up to 10 meters. It supports pick list function, ensuring precise scanning without the risk of mistakenly reading other barcodes within the scanning range. Additionally, SL220 maintains excellent scanning performance even in low-light environments, ensuring reliable results every time.

Support PD fast charge to recharge both SL220 & iPhone/iPad simultaneously

With this innovative feature, significantly reducing the overall charging time for both devices. It ensures that you can quickly power up the iOS devices and the SL220 sled scanner in a fraction of the time, allowing you to get back to work swiftly and optimize your productivity.

Durable and Reliable Design

It enhances the industrial durable protection with features including IP65 dustproof, waterproof and 1.2 meters resistant to fall protection. With true Hot-swap battery design, users can seamlessly swap out batteries on the fly, maintaining continuous workflow and maximizing efficiency.

Separate design with OtterBox uniVERSE series

This unique feature allows users to select different OtterBox uniVERSE cases that are specifically tailored to their iPhone and iPad models. With this flexibility, users can choose the perfect combination of SL220 and OtterBox uniVERSE, ensuring a seamless integration that meets their device requirements. SL220 will fit iPhones 7, 8, XR, XS 11, 12, 13, 14, 14 Plus and SE; iPad 7th, 8th, 9th, Pro 10.5-inch, Air 3rd, Mini 5th.

Features

- Premier barcode reading distance: up to 10 M
- Support Pick List function to optimize work efficiency
- Support PD charging to fully charge SL220 and iPhone within 2 hours (actual charging time will vary with different iPhone models)
- IP65 dustproof, waterproof and 1.2 meters resistant to fall protection
- True Hot-swap battery design without downtime
- Easy to transform iPhone/iPad into an enterprise-grade scanner
- Lightning connection offers more reliable and convenient connection than Bluetooth pairing



Operation System

OS	iOS 15 or later
Key	2 scan keys

Optical & Performance

Sensor	1280 X 800 global shutter
Aiming Element	Red laser
Illumination	White LED (exempt risk group)
Ambient Light	100,000 Lux (Sunlight)
Skew Angle	60
Pitch Angle Sensor	60
Roll Angle	0 - 360
Printing Contrast Scale	Minimum 20%
Depth of Field	(DOF PCS=80%)

SYMBOLGY / X-DIM TYPICAL RANGE* Near Far

▪ Standard
13 Mil UPC: 1.73~22.5 in / 4.4~57.3 cm
5 Mil Code 39: 2.76~11.85 in / 7~30.1 cm
10 Mil Code 39: 1.57 ~20.3 in / 4~51.7 cm
20 Mil Code 39: 1.73 ~31.5 in / 4.4~80 cm
15 Mil Code 128: 1.65~25.6 in / 4.2~65 cm
10 Mil DM: 2.84 ~11.7 in / 7.2~29.7 cm
6,7 Mil PDF417: 3.3~9.6 in / 8.4~24.4 cm
15 Mil QR Code: 1.54~16.3 in / 3.9~41.4 cm
▪ Premium
13 Mil UPC: 2.7~66.5 in / 6.8~169 cm
5 Mil Code 39: 5.4~15.6 in / 13.7~39.6 cm
10 Mil Code 128: 3.5 ~55.1 in / 9~139.9 cm
20 Mil Code 39: 3.4 ~104.1 in / 8.8~284.8 cm
55 Mil Code 39: 232.8 in / 591.2 cm
100 Mil Code 39: 388 in / 984.9 cm
7 Mil PDF: 5.4~16.3 in / 13.7~41.5 cm
10 Mil QR Code: 5~16.2 in / 12.8~41.2 cm

Regulatory Approvals

FCC, CE, BSMI



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Mechanical

Dimension	125 x 64 x 27 mm
Weight	102 g
Trigger Switch Life	1000000 times
Cradle Dimension	142 x 96 x 95 mm

Communication

Interface/ Profile	Apple Lightning Connector (MFi)
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Symbologies

1D Barcodes	Codabar, Code 11, Code 128, Code 2 of 5, Code 39, Code 93 and 93i, EAN/JAN-13, EAN/JAN 8, IATA Code 2 of 5, Interleaved 2 of 5, Matrix 2 of 5, MSI, GS1 Databar, UPC-A, UPC E, UPC-A/EAN-13 with Extended Coupon Code, Coupon GS1 Code 32(PARAF), EAN-UCC Emulation, GS1 Data Bar, TLC39
2D Barcodes	2D Stacked: Codablock A, Codablock F, PDF417, MicroPDF417 2D Matrix: Aztec Code, Data Matrix, MaxiCode, QR Code, Chinese Sensible (Han Xin), Grid Matrix, Dot Code Postal: Australian Post, British Post, Canadian Post, China Post, Japanese Post, Korea Post, Netherlands Post, Planet Code, Postnet Support OCR barcodes Prefix, Suffix, Code ID, Reformatting Date
OCR Barcodes	
Data Formatting	

Electrical

Indicator	Beep, LED
Battery Capacity	3.7V, 1150mAh, Lithium Battery (Changeable)
Battery Charging time	Within 2 hours (with iPhone SE 3rd)
Operating Time	4.5 hours
Hot Swap	Keeps applications active up to 5 minutes

Environmental

ESD Protection	8KV contact & 12KV air discharge
Operating Temperature	0°C ~ 35°C
Storage Temperature	-20°C ~ 60°C
IP Rating	IP65

Accessories

- Adapter (support QC 3.0 & PD standard)
- 1-slot charging Cradle
- OtterBox uniVERSE

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