



1D BARCODES, 2D BARCODES

## DuraScan D762

Durable Mid-Range 1D/2D Barcode Scanner

### Rugged IP55 Rating | Scans on Screen

A versatile, high-performance data capture solution built for demanding environments. Supporting both 1D and 2D barcodes, the D762 offers exceptional scanning capabilities with a lightweight, ergonomic design for comfortable, all-day use.

With an extended working range, it accurately scans barcodes from as little as 2.1 inches and all the way up to 14 feet, accommodating sizes from 5 mil to 160 mil. This flexibility enables users to scan overhead items and inventory from a comfortable distance, boosting productivity in various applications.

Designed with durability in mind, the DuraScan D762 Mid-Range Barcode Scanner is IP54-rated for dust and water resistance and withstands multiple drops. Its field-replaceable, long-lasting battery ensures continuous operation, making it a reliable tool for warehouse, manufacturing, and commercial services environments.

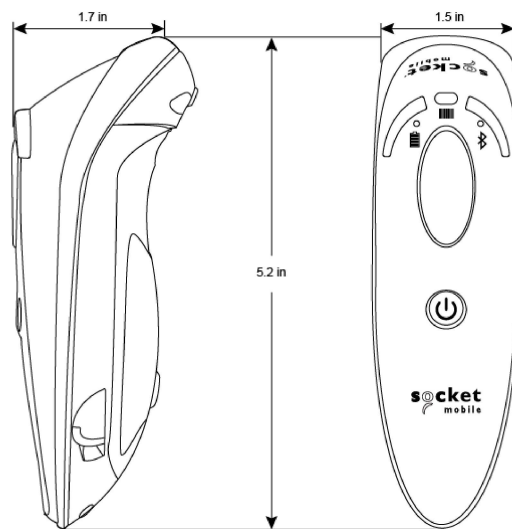
User-friendly features include intuitive notifications for battery level, Bluetooth connectivity, and scanning status. Suitable for a wide range of applications such as logistics, healthcare, and retail, the D762 delivers fast, accurate data capture to enhance daily operations.



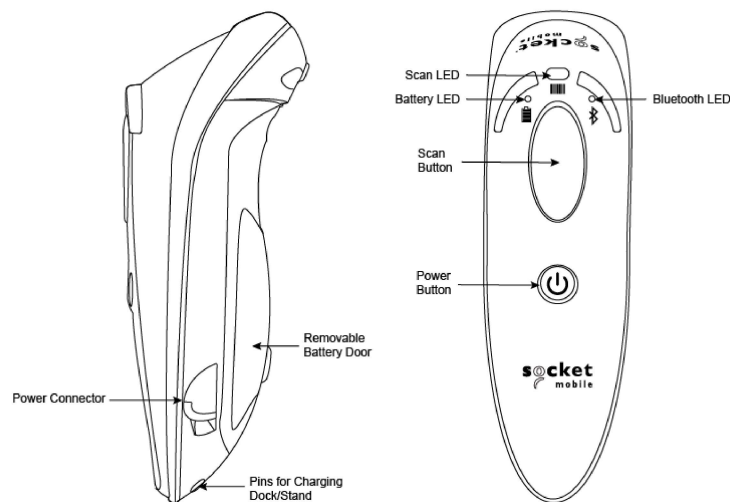
## Features

- **Multi-Device Compatibility** — Apple® Certified for iOS devices (iPhone®, iPad®) and compatible with Android®.
- **Robust Scanning** — Fast 1D/2D scanning for both printed and on-screen barcodes, featuring omnidirectional capability for intuitive, rapid scanning.
- **Extended Range** — Scans barcodes ranging in size from 5 mil to 160 mil, at distances from 2.1 inches to 14 feet.
- **Hands-Free Scanning** — Automatically scans barcodes when set to Auto (Presentation) Mode and positioned in a dock or stand.
- **Ergonomic** — Small, light, and fits perfectly in the hand for comfortable use over extended periods.
- **Exceptional Form Factor** — Small, sturdy, and fits in areas with limited counter or table space.
- **Long-Lasting Battery** — Features rechargeable and field-replaceable battery that lasts a full shift.
- **Intuitive User Indicators** — **LED lights** that indicate successful scanning and battery charging status.
- **Audible Feedback** — Multiple **feedback tones** to indicate successful scans/reads and other important action confirmations.
- **Bluetooth Wireless Integration** — Dependable Bluetooth connection to host devices.
- **Easy App Integration** — Socket Mobile's Capture SDK enables easy integration in your applications to improve business productivity with fast, efficient, and reliable data transfer over Bluetooth wireless technology. Data reader works out of the box for apps that have already integrated CaptureSDK.
- **Developer Support** — Our support team is available to assist with set-up and operation.
- **1-Year Warranty Included** — Extended warranty options also available.
- **Designed and Assembled in the USA** — All socket mobile data readers are built at our headquarters in Fremont, CA.

## Dimensions



## External Control



## Reading Performance

### Default Barcode Symbologies

- **1D Symbologies:** Bookland EAN, Codabar, Code 39, Code 93, Code 128, EAN-13/JAN, EAN8/JAN, GS1 Databar, GS1 Databar Expanded, GS1 Databar Limited, GS1-128, Interleaved 2 of 5, ISBT 128, UPC A, UPC EO
- **2D Symbologies:** Aztec, Data Matrix, DotCode, Maxicode, Micro PDF417, PDF417, QR Code
- **Postal Codes:** Australia Post
- **OCR Typeface:** OCR-B ICAO Travel Documents

## Supported Barcode Symbologies

- **1D Symbologies:** Bookland EAN, Chinese 2 of 5, Codabar, Code 11, Code 39, Code 93, Code 128, Composite CC-A/B, Composite CC-C, Composite TLC, Discrete 2 of 5, EAN-13/JAN, EAN8/JAN, GS1 Databar, GS1 Databar Expanded, GS1 Databar Limited, GS1-128, Interleaved 2 of 5, ISBT 128, ISSN EAN, Matrix 2 of 5, MSI, UPC/EAN/JAN, UPC A, UPC EO
- **2D Symbologies:** Aztec, Data Matrix, DotCode, GS1 Data Matrix (S740 with Green scan LED only), GS1 QR Code (S740 with Green scan LED only), Maxicode, Micro PDF417, MicroQR, PDF417, QR Code
- **Postal Codes:** Australia Post, Han Xin, Japan Postal, KIX Code, Maxicode, Netherlands, UPU FICS Posta, US Planet, US Postnet, USPS 4CB/One Code/Intelligent Mail
- **OCR Typeface (Green scan LED only):** OCR-A, OCR-B, MICR (E13B), US currency serial number

Learn [how to enable and disable](#) data types.

## Print Contrast

Down to 25%-20%

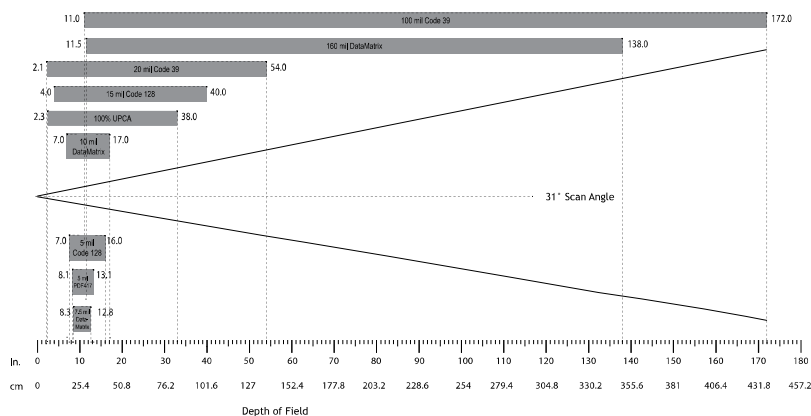
## Scan Angle

44.5° (Horizontal) - 33.5° (Vertical)

## Sensor Resolution

1280 horizontal x 960 vertical pixels

## Reading Distance



5.8 to 436.9 cm (2.3 to 172 in.) Depends on barcode size, symbology, label media.

|              |                    |                           |                           |
|--------------|--------------------|---------------------------|---------------------------|
| Decode Range | 5 mil Code 128     | 7.4 in./18.8 cm (Near)    | 16.0 in./40.6 cm (Far)    |
|              | 5 mil PDF417       | 8.1 in./ 20.6 cm (Near)   | 13.1 in./ 33.3 cm (Far)   |
|              | 7.5 mil DataMatrix | 8.3 in./ 21.1 cm (Near)   | 12.8 in./ 32.5 cm (Far)   |
|              | 10 mil DataMatrix  | 7.0 in./ 17.8 cm (Near)   | 17.0 in./ 43.2 cm (Far)   |
|              | 100% UPCA          | 2.3* in./ 5.8* cm (Near)  | 38.0 in./ 96.5 cm (Far)   |
|              | 15 mil Code 128    | 4.0* in./ 10.2* cm (Near) | 40.0 in./ 101.7 cm (Far)  |
|              | 20 mil Code 39     | 2.1* in./ 5.3* cm (Near)  | 54.0 in./ 137.2 cm (Far)  |
|              | 100 mil Code 39    | 11.0 in./ 27.9 cm (Near)  | 172.0 in./ 436.9 cm (Far) |
|              | 160 mil DataMatrix | 11.5 in./ 29.2 cm (Near)  | 138.0 in./ 350.5 cm (Far) |

\* All decode ranges based on Grade A, photographic quality barcodes printed on paper.

Battery Information

|                      |  |
|----------------------|--|
| Battery Type         | 1 rechargeable Lithium Ion Polymer (replaceable battery)   |
| Charge Time          | 6  |
| Life of battery      | 500 charge-discharge cycles  |
| Life per full charge | <b>Battery Friendly with standby time:</b> <ul style="list-style-type: none"><li>Over 20 hours</li></ul>   |
|                      | <b>Active Scan Time:</b> <ul style="list-style-type: none"><li>85,000 scans within 9 hours (based on two scans every 1 second)</li><li>7,000 scans within 19 hours (based on one scan every 4 seconds)</li></ul> |
|                      |  |
| Battery weight       | 35g  |
| Percentage lithium   | 26.5%  |
| mAh                  | 1400   |
| Cells per battery    | 1  |

|                             |                            |
|-----------------------------|----------------------------|
| <b>Watts per battery</b>    | 5.55                       |
| <b>Cell type</b>            | Proprietary                |
| <b>Chemical composition</b> | Lithium - polymer          |
| <b>Lithium content</b>      | 9.32g                      |
| <b>Voltage</b>              | 3.7v                       |
| <b>Hazmat UN Number</b>     | UN3481, P.I. 967           |
| <b>ROHS Compliance</b>      | Yes, Included with Scanner |
| <b>Country of origin</b>    | China                      |
| <b>Commodity code</b>       | 8507.60.0000               |

## Bluetooth Information

|                           |  |
|---------------------------|--|
| <b>Bluetooth Profiles</b> | <ul style="list-style-type: none"> <li>• <b>Basic Mode</b> - Human Interface Device (HID)</li> <li>• <b>Application Mode</b> - Serial Port Profile (SPP)</li> <li>• <b>iOS Application Mode</b> (Default)</li> </ul> <p>Some Operating Systems or smartphone/tablet models may support only one profile.</p> |
| <b>Bluetooth Radio</b>    | Class 2 Bluetooth, version 2.1 + EDR (Enhanced Data Rates) with 56-bit data encryption   |
| <b>Bluetooth Range</b>    | Up to 10 meters (33 ft.), depending on the environment. The range limit is usually due to the Host Device (phone, tablet, or notebook).  |

## Operating Systems



## Packaging

**Data Reader with Charging Cable**

- [Data Reader](#)
- [Charging Cable](#)
- [Wrist Strap](#)
- [Get Started Guide](#)

#### **Data Reader with Charging Dock**

- [Data Reader](#)
- [Charging Dock \(If selected\)](#)
- [Wrist Strap](#)
- [Get Started Guide](#)

#### **Data Reader with Charging Stand**

- [Data Reader](#)
- [Charging Stand \(If selected\)](#)
- [Wrist Strap](#)
- [Get Started Guide](#)

#### **Data Reader with Magnetic Holder for Scanner & Phone**

- [Data Reader](#)
- [Charging Cable](#)
- [Magnetic Holder for Scanner & Phone](#)
- [Wrist Strap](#)
- [Get Started Guide](#)

### **Common Uses**

- [Warehouse Management](#)
- [Mobile Delivery Services](#)
- [Logistics Management](#)
- [Inventory Management](#)
- [Industrial & Manufacturing Solutions](#)
- [Track & Trace](#)

- Inspections & Audits

## User Environments

|                              |  |
|------------------------------|--|
| <b>Ambient Light</b>         | From 0 to 100 000 lux. From pitch black to direct sunlight.                            |
| <b>Charging Temperature</b>  | Charging in an ambient temperature above 40° C / 100° F may result in charging issues. |
| <b>Drop Specifications</b>   | Six drops onto concrete - one on each side at 6.6 ft. (2 m)                            |
| <b>Operating Temperature</b> | 0° to 45° C (32° to 113° F)  |
| <b>Relative Humidity</b>     | 95% at 60° C (140° F) (non-condensing)   |
| <b>Storage Temperature</b>   | -40° to 70° C (-40° to 158° F)   |
| <b>Tumble Specification</b>  | 2,500 cycles at 3.3 ft. (1 m) to a metal plate, IEC6008-2-31, IEC60068-2-32 3.         |

## Certification & Regulatory

### Bluetooth SIG:

- Declaration ID: D030473
- QD ID: 82009

### Electrical Safety:

- Certified to IEC 60950-1
- UL 60950-1
- CAN/CSA C22.2

### Environmental:

- RoHS EN 50581

### EMI / RFI:

- FCC Part 15 Class C, RSS 210, iCES 003, C-Tick, CISPR 22, CE EN55022, EN55024
- TELEC: R 201-135280
- FCC ID: T9J-RN41-3
- IC ID: 6514A-RN413



## LED Safety:

- IEC 62471
- EN 62471 (EXEMPT GROUP)



## Product SKUs

### Data Reader with Charging Cable

- CX4323-3456
- CX4331-3464
- CX4294-3445
- CX4327-3460

### Data Reader with Charging Dock

- CX4333-3466
- CX4324-3457
- CX4320-3453
- CX4328-3461

### Data Reader with Charging Stand

- CX4321-3454
- CX4332-3465
- CX4325-3458
- CX4329-3462

### Data Reader with Magnetic Holder for Phone and Scanner

- CX4358-3491
- CX4360-3493
- CX4359-3492

- CX4357-3490

