



2D/1D Imager  
Barcode Scanner



# DuraScan® D740 v20

## Universal Bluetooth Barcode Scanner

The DuraScan D740 v20 is the latest and improved version of the universal Bluetooth® barcode scanner. Built for mobility and redesigned for improved durability, the D740 v20 is IP54 compliant, ideal for warehousing and manufacturing application customers. In addition, Socket Mobile has added a field-replaceable battery based on customer feedback. The scanner is MFi certified and fully compatible with Android and Windows with different Capture SDK versions available.

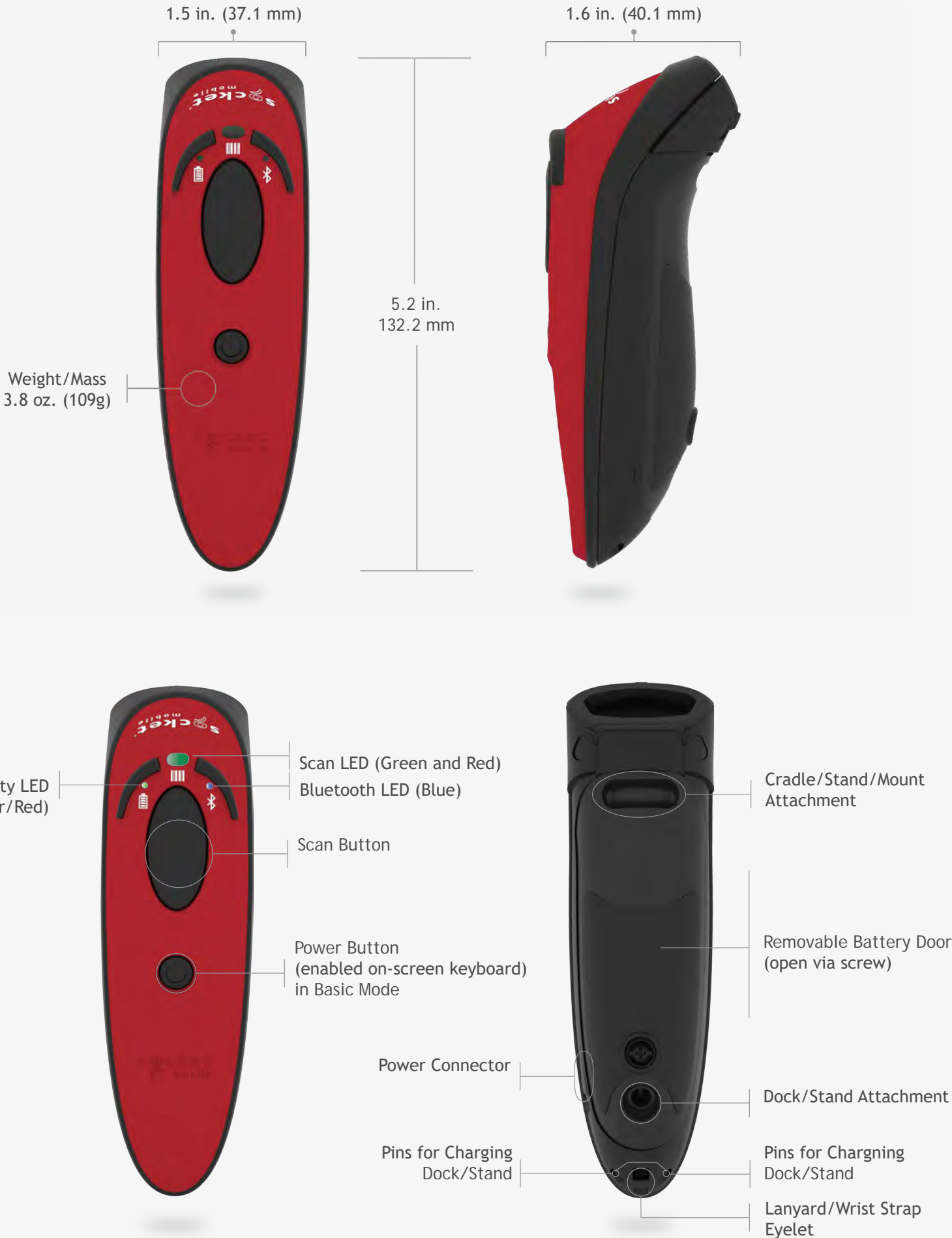
The D740 v20 reads all 2D/1D barcodes on paper and screen. It features great ergonomics and fits perfectly in your hand. It is designed for comfort and extended use; it is light, highly durable and small enough to fit in your pocket. The D740 v20 is fully backwards compatible with prior versions of Socket Mobile's SDK and can be used immediately with any application using native scanning support. To enjoy optimal reliability and performance from the D740 v20, it is recommended that users check with their app provider to ensure they have upgraded to the latest version of Capture SDK.



## Features

- **Certified by Apple® for iOS devices (iPad®, iPhone®, iPod Touch®) and compatible with Android, Windows®, Mac and Linux.**
- **Scanning** - Fast 2D and 1D omni-directional barcode scanning with highly visible and safe LED aimer. Scans on paper or screen.
- **Bluetooth® Wireless Technology** - Dependable Bluetooth connection to iOS, Android and Windows 10 devices. Auto-reconnection maintains even in different environments.
- **Exceptional Ergonomics** - Small, light and fits perfectly in the hand for comfortable use over extended periods of time.
- **Long-Lasting, Rechargeable, Replaceable Battery** - Power to last over 16 hours.
- **User Indicators** - Intuitive LEDs for Bluetooth connection, battery level and scanning status.
- **User Feedback** - Audible tones and hand pulsation.
- **Rugged Design** - IP54 rating for dust and water splashing; withstands multiple drops to concrete.
- **Compatible with Android and Windows devices and applications**
- **Auto Scan Mode** - Provides continuous scanning capabilities without pressing scan button.
- **Native App Support** - Socket Mobile's Capture SDK enables easy native app integration in your applications to improve business productivity.
- **Wearable** - Includes wrist strap. Holster and Durable Retractable Clip available (sold separately).
- **Designed and Assembled in the USA**
- **1-Year Warranty**
- **Developer Support Available**

# PHYSICAL CHARACTERISTICS



# SINGLE PACKAGE INCLUDES

- (1) DuraScan D740, Universal Barcode Scanner and Rechargeable Battery (pre-installed)
- (1) Charging Cable
- (1) Wrist Strap
- (1) Get Started insert



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The D740 is available in 4 colors:

- Black (SKU# CX3760-2412)
- Gray (SKU# CX3426-1872)
- Red (SKU# CX3740-2392)
- White (SKU# CX3750-2402)

# OPTIONAL ACCESSORIES

Charging Stand



Great for using AutoScan Mode

Charging Cradle



Perfect for wall mounting

Charging Dock



Ideal as a desktop charger

Durable Retractable Clip



Provides quick access to scanner

Holster



Safe and accessible placement

Scanner & Phone Holder



One-handed solution

**Default Barcode Symbologies:**

**1D Symbologies:** Codabar, Code 39, Code 93, Code 128, EAN-13/JAN 13, EAN-8/JAN 8, GS1 Databar, GS1 Databar Expanded, GS1 Databar Limited, GS1-128, Interleaved 2 of 5, ISBT 128, UPC-A, UPC-E, UPC-E1

**2D Symbologies:** Aztec, Data Matrix, Maxicode, Micro QR Code, Micro PDF417, PDF417, QR Code

**Postal Codes:** USPS 4CB/One Code/Intelligent Mail

**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-39, Discrete 2 of 5, EAN-13/JAN 13, EAN-8/JAN 8, GS1 Databar, GS1 Databar Expanded, GS1 Databar Limited, GS1-128, Interleaved 2 of 5, Inverse 1D, ISBT 128, ISSN EAN, Matrix 2 of 5, MSI, UPC-A, UPC E/E-1

**2D Symbologies:** Aztec, Data Matrix, Han Xin, Maxicode, Micro PDF417, MicroQR, PDF417, QR Code

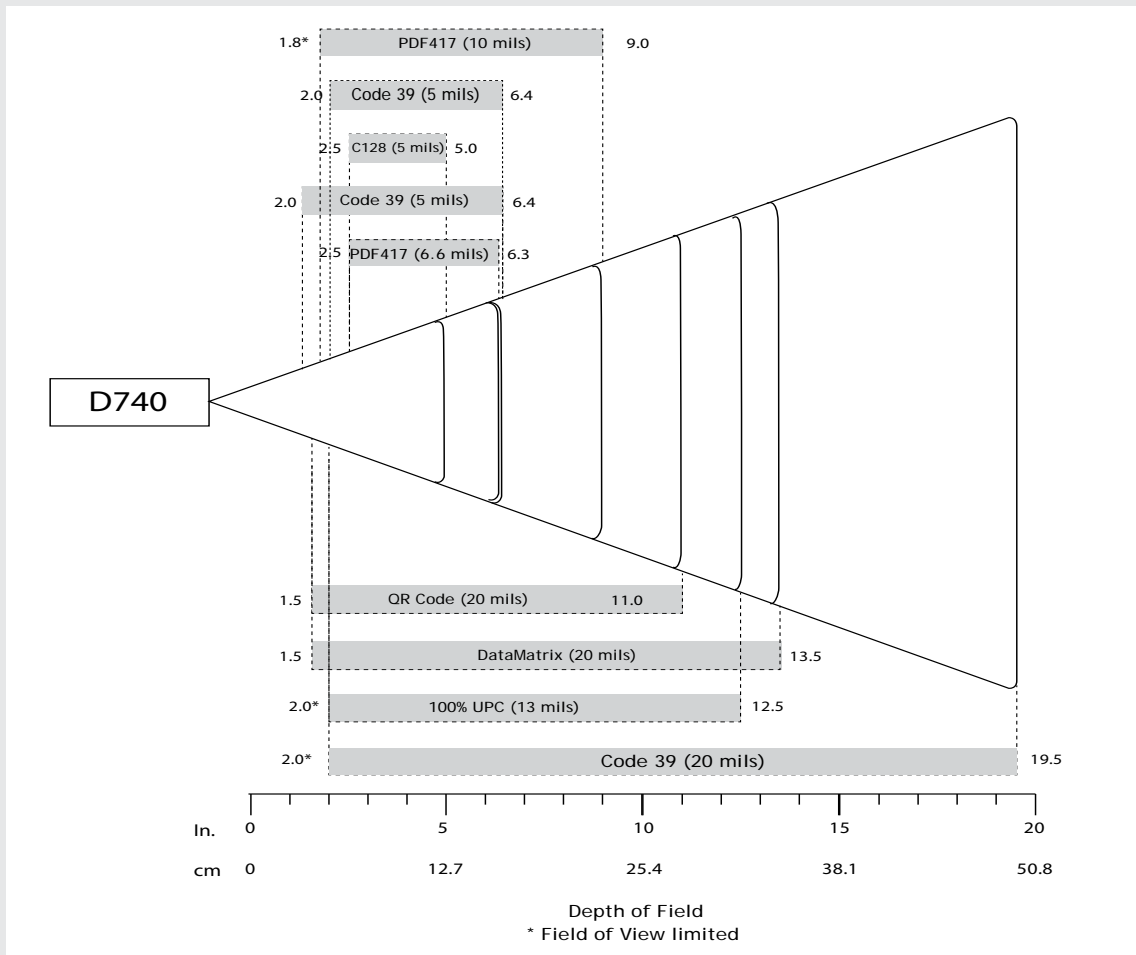
**Postal Codes:** Australia Post, Japan Postal, Netherlands KIX Code, UK Postal, UPU FICS Postal, US Planet, US Postnet, USPS 4CB/One Code/Intelligent Mail

**Scan Angle:** 42° (Horizontal) - 28° (Vertical)

**Sensor Resolution:** 640 horizontal x 400 vertical pixels

**Print Contrast:** Down to 25%-20%

**Reading Distance:**



4.5 to 49.5 cm (1.5 to 19.5 in.) Depends on barcode size, symbology, label media

**Decode Ranges**

	Near	Far
5 mil Code 39	2.0 in/5.1 cm	6.4 in/16.2 cm
5 mil Code 128	2.5 in/6.3 cm	5.0 in/12.7 cm
6.6 milk PDF417	2.5 in/6.3 cm	6.3 in/16.0 cm
10 mil PDF417	1.8 in/4.5 cm*	9.0 in/22.8 cm
13 mil 100% UPC	2.0 in/5.0 cm*	12.5 in/31.7 cm
20 mil Code 29	2.0 in/5.0 cm*	19.5 in/49.5 cm
20 mil Data Matrix	1.5 in/3.8 cm	13.5 in/34.3 cm
20 mil QR Code	1.5 in/3.8 cm	11.0 in/27.9 cm

Technology:	2D/1D Barcode Linear Imager
Light Source:	Hyper Red 660 nm (nanometer) LED
Aimer:	610 nm LED

## BATTERY

Battery Type:	Replaceable 1500 mAh Lithium - Ion Battery
Charge Time:	6 Hours
Battery Life - Per Full Charge:	Standby time: over 20 hours Active Scan Time: 85,000 scans within 9 hours (based on 2 scans every 1 second) 17,000 scans within 19 hours (based on 1 scan every 4 seconds)
Note:	Battery life varies depending on ambient temperature, ambient light and age of battery. <i>For more battery information <a href="#">click here</a>.</i>
Number of Batteries Used:	1
Weight of Battery:	35g
Percentage Lithium:	26.5%
Battery mAh:	1500 mAh
Number of Cell Per Battery:	1
Watt Hours Per Battery:	5.55
Type of Cell (ex.AA):	Proprietary
Chemical Composition (ex. Alkaline):	Lithium-polymer
Lithium Content:	9.32 g
Battery Voltage:	3.7v
Hazmat UN Number:	UN3481, P.I. 967
ROHS Compliance Indicator:	Yes, included with scanner
Country of Origin:	China
Commodity Code:	8507.60.0000

## BLUETOOTH (WIRELESS CONNECTION)

Bluetooth Radio:	Class 2 Bluetooth, version 2.1 + EDR (Enhanced Data Rates) with 56-bit data encryption
Bluetooth Range:	Up to 10 meters (33 ft.) depending on environment, range limit is usually due to the Host Device (phone, tablet or notebook)
Bluetooth Profiles:	Basic Mode - Human Interface Device (HID)*, Application Mode - Serial Port Profile (SPP) and Application Mode - MFi-SPP. Some Operating Systems or smartphone/tablet models may support only one profile. <i>*By default, the scanner is set to Basic Mode (HID).</i>

## USER ENVIRONMENT

Ambient Light:	From 0 to 100 000 lux, From pitch black to direct sun light
Operating Temperature:	0° to 45° C (32° to 113° F)
Storage Temperature:	-5° to 70° C (-22° to 158° F)
Relative Humidity:	95% at 60° C (140° F) (non-condensing)
Sealing:	IP54 (Ingress Protection rating for dust and water) EN60529
Tumble/Drop Specs:	2,500 tumble cycle (5,000 drops) to concrete at 3.3 ft (1 meter), IEC60068-2-31, IEC60068-2-32

# OPERATING SYSTEM COMPATIBILITY

Android OS - Basic Mode (HID)* and App Mode (SPP)	Mac OS and Linux - Basic Mode (HID)* only
Apple iOS - Basic Mode (HID)* and App Mode (MFi-SPP)	Windows OS 10 - Basic Mode (HID)* and App Mode (SPP)
Compatible with devices supporting Basic Mode (HID)* protocol	Supported Language Setting in Basic Mode (HID): ANSI, English UK, English, French, German, Italian, Japanese, Polish, Spanish and Swedish

*\*By default the scanner is in Basic Mode (HID). No software installation required.*



## 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:	Environmental: RoHS EN 50581
EMI / RFI:	FCC Part 15 Class C, RSS 210, iCES 003, C-Tick, CISPR 22, CE EN55022, EN55024, TELEC FCC ID: T9J-RN41-3 IC ID: 6514A-RN413 Telec ID:  211-161214
LED Safety:	IEC 62471, EN 62471 (EXEMPT GROUP)



## WARRANTY

Scanner:	Standard one year limited warranty
Accessories:	90 days
Extended Warranty: (sold separately)	<a href="http://www.socketmobile.com/socketcare">www.socketmobile.com/socketcare</a>



## COMMON USES

Retail/Point of Sale	Warehouse management	Transportation
Office use	Shipping and Receiving	Gaming
Healthcare	Field Sales/Service	Manufacturing
Mobile Tracking	Banking	

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