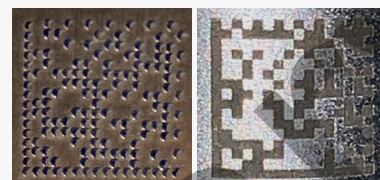




DURASCAN® D790



2D/1D Imager



Direct Part Marking (DPM)
Dot Peen, Laser Marking Ink
Marked, Chemical Etch

Ergonomic, Elegant and Rugged

The D790 is a rugged barcode scanner that reads DPM codes. It withstands water, dust, and other hazards. It has an ergonomic shape for extended use. Designed to read codes marked with DPM in a wide range of sizes, surface, contrast or density. The D790 reads permanent codes like laser etch, ink mark, chemical etch, inkjet mold, cast and thermal spray, and dot peen - the most challenging mark. The D790 also supports 1D, stacked, 2D codes, and postal codes. The D790 scanner provides the user with effortless, optimal scanning performance with omnidirectional reading.

Ideal for industrial and healthcare industries where coded products need to stand the test of time.



Certified by Apple® for iOS devices (iPad®, iPhone®, iPod Touch®) and compatible with Android and Windows®.

Features

- **Bluetooth Wireless Technology** - Compatible with iOS, Android and Windows devices with typical Bluetooth range of 30 meters (98 feet).
- **Certified by Apple® for iOS devices** - Guaranteed Compatibility - With our SDK integrated in over 700+ applications, Socket Mobile scanners are one of the most natively integrated scanners available today. Socket Mobile Scanners are also 100% compatible with any application out-of-the-box in HID (keyboard emulation) mode.
- **Compatible with all Android and Windows devices and applications**
- **Scanning** - Advanced scanning delivers capture ability of direct part marks, plus any 1D or 2D barcode printed on a label in virtually any condition.
- **Laser Aiming Element** - Bright, rectangular illumination field with laser pointer for precise aiming.
- **Exceptional Ergonomics** - Small, light and fits perfectly in the hand for comfortable use over extended periods of time
- **Rugged Design** - Protection rating of IP54 for dust and water splashing protection. Withstands multiple drops to concrete and repeated tumbles.
- **Flexible** - Scans barcodes through glass & plastic, in bright sunlight, in dark environments or curved surfaces
- **High Performance** - Fast, accurate, and easy, captures most 1D barcodes, including damaged or poor-quality barcodes
- **Long Lasting Battery** - Power to last up to xx hours
- **User Indicators** - Intuitive LEDs, Bluetooth connection, battery level and scanning status
- **User Feedback** - Audible tones and hand pulsation
- **Protective Material** - Made with antimicrobial additives for protection against harmful microbes.
- **Application 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.
- **Wearable** - Includes lanyard/belt clip. Holster and Durable Retractable Clip available (sold separately)
- **Designed and Assembled in the USA**
- **Developer Support Available**
- **1-Year Warranty**



Intuitive LED Indicators

- Battery LED: Green, Amber & Red
- Bluetooth LED: Blue
- Scan LED: Green and Red

Weight/Mass
• 4.0 oz. (112.5 g)



Power Button

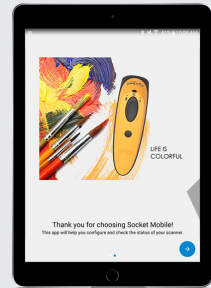
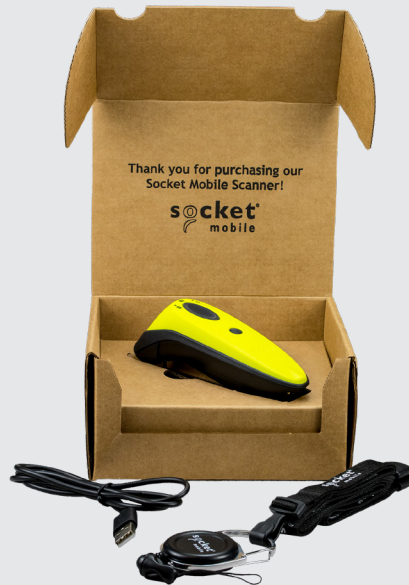
- On/Off
(enabled on-screen keyboard)
in Basic Mode

Scan Button

BLUETOOTH (WIRELESS CONNECTION)

Bluetooth Radio:	Class 2 Bluetooth, version 2.1 + EDR (Enhanced Data Rates) with 56-bit data encryption
Bluetooth Range:	Up to 30 meters (98 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. *By default, the scanner is set to Basic Mode (HID).

- (1) DuraScan D790, 2D/1D & DPM Class 2 Laser Barcode Scanner
- (1) Charging Cable
- (1) Durable Lanyard
- (1) Get Started Insert



Socket Mobile Companion
Download for Free!

The D790 is available in 3 colors:

Utility Gray (SKU# CX3449-1912)
Safety Green (SKU# CX3450-1913)
Construction Orange (SKU# CX3451-1914)

OPTIONAL ACCESSORIES

Charging Stand
SKU# AC4076-1538



Great for using Presentation Mode
Durable Retractable Clip
AC4130-1828



Provides quick access to scanner

Charging Cradle
SKU# AC4102-1695



Perfect for wall mounting

Holster
AC4131-1829



Safe and accessible placement

Charging Dock
SKU# AC4133-1871



Ideal as a desktop charger

Lanyard - Black
SKU# AC4100-1692



Great for hanging around your neck

Default Barcode Symbologies

1D Symbologies: Codabar, Code 39, Code 93, Code 128, EAN-13/JAN, EAN-8/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, Maxicode, Micro PDF417, PDF417
Postal Codes: Australia Post

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, EAN-8/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, 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

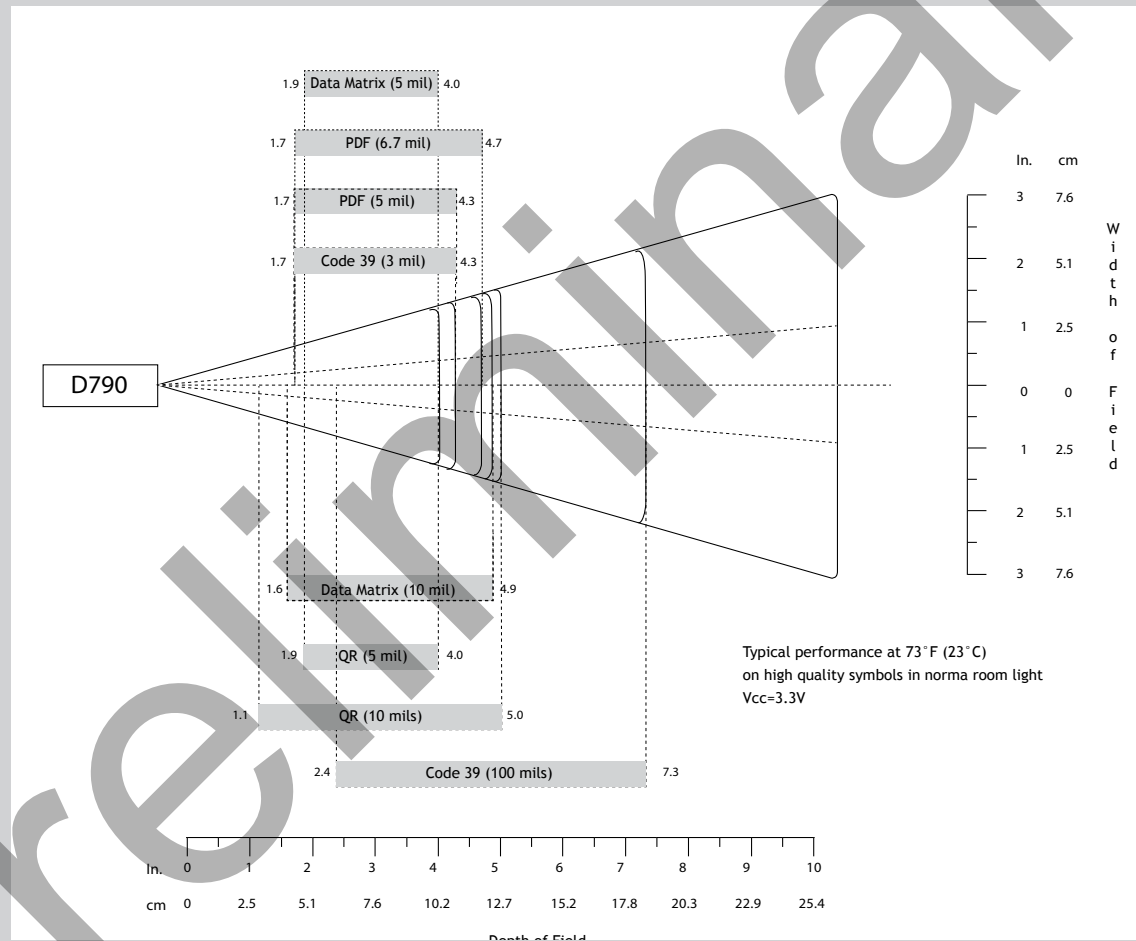
Scan Angle (field of view):

31° (Horizontal) 23° (Vertical)

Optical Resolution:

1,280 (H) 960 (V) Monochrome digital image sensor

Reading Distance:



1D codes 3.05 to 457.2 cm (1.2 in to 180 in)

Depends on width & barcode size, symbology, label media, Narrow and Wide ratio scan angle

Decode Ranges

	Near	Far
3 mil Code 39	1.7 in/4.3 cm	4.3 in/10.9 cm
5 mil DF417	1.7 in/4.3 cm	4.3 in/10.9 cm
6.67 mil PDF417	1.7* in/4.3 cm	4.7 in/11.9 cm
5 mil Data Matrix	1.9 in/4.8 cm	4.0 in/10.2 cm
10 Data Matrix	1.6 in/4.1 cm	4.9 in/12.4 cm
5 mil QR Code	1.9 in/4.8 cm	4.0 in/10.2 cm
10 mil QR Code	1.1 in/2.8 cm	5.0 in/12.7 cm
100% UPCA	2.4* in/6.1 cm	7.3 in. /18.5 cm

Battery:	1400 mAh Lithium - Ion Battery
Charge Time:	6 Hours
Battery Life - Per Full Charge:	Standby time: over xx hours Active Scan Time: xxxxx scans within x hours (based on 2 scans every 1 second) xxxxx scans within xx hours (based on 1 scan every 4 seconds)
Note:	Battery life varies depending on ambient temperature, ambient light and age of battery.

SCANNER TYPE

Technology:	2D/1D Barcode Imager with highly visible Class 2 laser aimer
Light Source:	Visible Laser Diode (VLD) Center Dot Optical Power 0.6 mW (typical)
Aimer:	655 nm \pm 10 laser

USER ENVIRONMENT

Ambient Light:	Max 96,000 lux From artificial indoor (fluorescent & incandescent) to natural outdoor lighting (direct sunlight)
Operating Temperature:	-20° to 50° C (-4° to 122° F)
Storage Temperature:	-40° to 70° C (-40° to 158° F)
Relative Humidity:	95% at 60° C (140° F) (non-condensing)
Sealing:	IP54 (Ingress Protection rating for dust and water) EN60529
Drop Specifications:	Multiple 5 ft. drops to concrete
Tumble Specification:	250 cycles at 1.64 ft. (0.5 m) (500 drops), IEC60068-2-31, IEC60068-2-32

OPERATING SYSTEM COMPATIBILITY

Android OS - Basic Mode (HID)* & Application Mode (SPP)	Mac OS - Basic Mode (HID)* only
Apple iOS - Basic Mode (HID)* & Application Mode (MFi-SPP)	Windows OS - 10, 8, and 7 - Basic Mode (HID)* & Application Mode (SPP)
Compatible with devices supporting Basic Mode (HID)* protocol	

**By default the scanner is in Basic Mode (HID)*

Supported keyboard languages - English, French, German and Spanish

Certified by Apple® for iOS devices (iPad®, iPhone®, iPod Touch®) and compatible with Android and Windows®.

iOS



OS X



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: IC ID: Telec ID:
LED Safety:	IEC 60825-1, EN 60825-1
Laser Safety Class:	IEC/EN 60825-1:2014 Class 2



Scanner:	Standard one year limited warranty
Accessories:	90 days
Extended Warranty: (sold separately)	www.socketmobile.com/socketcare



COMMON USES

Automotive	Retail/Point of Sale	Warehouse Inventory management
Aerospace	Shipping & Receiving	Supply Chain / Proof of Delivery
Asset Tracking	Mobile Tracking	Field Sales/Service
Healthcare	Commercial Services	

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