

SR61HD DPM

High Density & DPM Optimized Industrial Handheld Scanner Family



When it comes to tracking your most valuable assets through their lifecycle, direct part marking (DPM) offers permanence no other label format can match. The SR61HD DPM scanner features optimized optics to reliably scan DPM marks that are dot peened, etched or cast on a variety of substrates. Like all models in the SR61 family, the SR61HD DPM is:

- **Fast** – cutting-edge imager scans 1D and 2D bar codes with unmatched motion tolerance and fast time-to-read, while also supporting image and real-time video capture
- **Optimized** – customized imaging engine scans dot peened, chemical- or laser-etched direct part marks on a variety of substrates—and can even read small, reflective and low-contrast marks
- **Rugged** – designed to withstand drops from 6.5 feet, hot and cold temperature extremes, constant forklift vibration and windblown dust and rain
- **Easy to use** – highly visible aimer makes spotting bar codes fast and efficient
- **Ergonomic** – comfort grip and omni-directional scanning capability improve operator efficiency

The Intermec SR61HD DPM handheld scanner is a customized variant of the SR61 family, capable of scanning high density bar codes and direct part marks commonly used to track assets in defense, aerospace, automotive, pharmaceutical, and telecommunications industries. Since this scanner is built on a common hardware platform, it is a much more cost-effective solution for scanning direct part marks when compared to specialized, purpose-built devices.

With a customized imager, the SR61HD DPM can reliably scan marks applied with a variety of manufacturing processes: dot peening, chemical etching, laser etching, casting, engraving or stenciling—while still providing snappy performance on standard bar codes. The high performance imager is capable of scanning very fine marks (as small as 3 mils for 1D codes and 5 mils for DataMatrix codes), features unmatched motion tolerance (up to 500 in/sec) for incredible responsiveness, and includes advanced built-in capabilities that increase scanner versatility: data parsing, multi-code reading, and image/video capture.

Like all SR61 scanners, the SR61HD DPM features a high impact housing and a solid state design that exceeds industrial and military standards and can be counted on to perform well in harsh environments where dust, moisture or extreme temperatures are the norm.

The flexibility of the SR61 family translates into increased productivity, while keeping costs down. Seamless integration with Intermec computers, printers, and standard PCs is supported. Additionally, users may connect to a multitude of host devices running inventory management, picking, shipping and receiving, cross docking, work-in-process, tool crib, and pallet tracking applications.

To save time during deployment, the SR61 family includes Intermec's exclusive EasySet™ software setup tool for rapid configuration and personalization of your scanner system. Quickly set security options, symbology choices, beeper tones and volume, specify good read and error read responses, and make many other customizations.

Government and industry mandates—such as UID, ATA, Spec 2000, and AIAG B11—have led to the widespread adoption of direct part marks as the de facto standard for tracking high value or mission critical assets. Now, you can affordably meet these regulations with the SR61HD DPM, built on the proven SR61 industrial bar code scanner platform.

Comprehensive Support Services Available

Intermec bar code scanners operate in dynamic business environments, and a support plan can protect you from unforeseen contingencies. *Intermec Medallion® Service* programs deliver the highest levels of productivity, device reliability, and uptime. The *Medallion® Complete* support package covers hardware failure, general wear and tear and accidental damage. For more information, visit www.intermec.com/services.

Physical Characteristics – Tethered Models

Dimensions (LxWxH):

19.4 cm (7.6 in) x 7.2 cm (2.8 in) x 13.1 cm (5.2 in)

Weight: 320 gm (11.2 oz)

Physical Characteristics – Wireless Models

Dimensions (LxWxH):

17.8 cm (7 in) x 7 cm (2.75 in) x 11.4 cm (4.5 in)

Weight (without battery): 425 gm (15 oz)

Power – Tethered Models

Power Requirements: 5V DC, 1.7A

Power – Wireless Models

Battery Type: Lithium-ion

Battery Life: 10+ hours per full charge

Recharge Time: 2.5 hours for 90% charge

Connectivity

Connects to Intermec computers and printers, as well as standard PCs.

Interfaces – Tethered Models

RS232, USB 2.0 (HID Keyboard, Virtual Com Port, Video Class), Keyboard Wedge, Wand Emulation

Interfaces – Wireless Models

SPP, HID Keyboard

Radio – Wireless Models

Frequency Band: 2.4 GHz

Type: Bluetooth class 1 version 2.1 + EDR

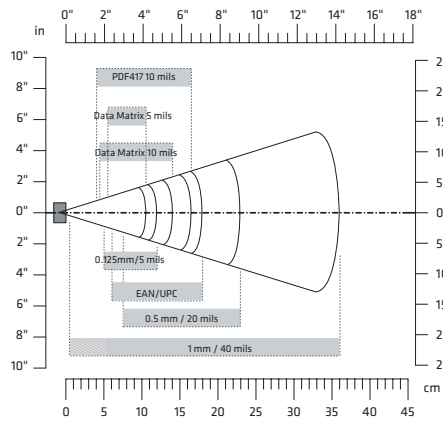
Range (Class 1): 100 m (325 ft) in open space, 30 m (100 ft) in typical work environment

Features: Adaptive frequency hopping

Scan Engine Options

SR61xDPM - High Definition Area Imager (EA30HD)

Scan Range – Typical reading distances at 200 lux



Symbology	Density	Minimum Distance	Maximum Distance	
Code 39	0.076 mm (3 mils)	5.5 cm (2.17 in)	9 cm (3.54 in)	
	0.1 mm (4 mils)	5 cm (1.97 in)	10.5 cm (4.13 in)	
	0.125 mm (5 mils)	5 cm (1.97 in)	12 cm (4.72 in)	
	0.5 mm (20 mils)	7.5 cm (2.95 in)	23 cm (9 in)	
	1 mm (40 mils)	* cm	36 cm (14.17 in)	
EAN 100%	0.33 mm	6 cm (2.36 in)	18 cm (7.09 in)	
	PDF417	0.125 mm (5 mils)	5 cm (1.97 in)	12.5 cm (4.92 in)
		0.25 mm (10 mils)	4 cm (1.57 in)	16.5 cm (6.5 in)
0.38 (15 mils)		6 cm (2.36 in)	20.5 cm (8.07 in)	
DataMatrix	0.125 mm (5 mils)	5.5 cm (2.17 in)	10.5 cm (4.13 in)	
	0.25 mm (10 mils)	4.5 cm (1.77 in)	14 cm (5.51 in)	

*Depends on symbology length and scan angle.

Supported Bar Code Symbologies

1D & Stacked: Codabar; Codablock; Code 11; Code 128 (GS1-128); Code 39; Code 93/93i; EAN/UPC; GS1 DataBar Expanded; GS1 DataBar Limited; GS1 DataBar Omni-Directional; GS1 DataBar Stacked; Interleaved 2 of 5; Matrix 2 of 5; Macro PDF; Micro PDF; MSI; PDF417; Plessey; Standard 2 of 5; Telepen; TLC39

2D: Aztec; DataMatrix; GS1 Composite; MaxiCode; QR Code

Postal: Australian Post; BPO; Canada Post; Dutch Post; Infomail; Intelligent Mail; Japan Post; Planet; Postnet; Sweden Post

Environment

Operating Temperature: -20°C to +50°C (-4°F to +122°F)

Storage Temperature: -40°C to +70°C (-40°F to +158°F)

Humidity: 0% to 95% RH, non-condensing

Shock & Vibration:

SAE Specification J1399 Class 3 (off road vehicle)

Rain and Dust Resistance: IP54

Drop Survival: 26 drops onto concrete or steel surface from a height of 1.98 m (6.5 ft)

Ambient light: Works in any lighting conditions from 0 to 100,000 lux

Standard Warranty

Tethered Models (SR61T): 3 years

Bluetooth Models (SR61B): 3 years (90 days on battery)
Extended protection available with Medallion support

Accessories

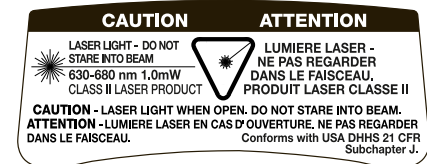
For a full listing of compatible accessories, visit www.intermec.com/sr61.

Regulatory Approvals (SR61T)

Laser Class 2; CE Mark (EU) (EN 55024, EN 55022 Class B, IEC 60950-1, IEC 60825-1); CISPR 22 Class B; CQC (CH); cULus (CA/USA) (UL 60950-1); C-TICK (AU/NZ); GS Mark (DE) (EN 60950-1, EN 60825-1); KCC (KR); NOM (MX); Part 15 of FCC Rules, Class B

Regulatory Approvals (SR61B)

Laser Class 2; ANATEL (BR); CE Mark (EU) (EN301489-17 V2.1.1, EN 300 328 V1.7.1, IEC60950-1, IEC60825-1); COFETEL (MX); cULus (CA/USA) (UL 60950-1); C-TICK (AU/NZ); KCC (KR); SRRS (CH); Part 15 of FCC Rules, Class B



North America

Corporate Headquarters

6001 36th Avenue West
Everett, Washington 98203
Phone: (425) 348-2600
Fax: (425) 355-9551

North Latin America

Headquarters Office

Mexico
Phone: +52 55 52-41-48-00
Fax: +52 55 52-11-81-21

South Latin America

Headquarters Office

Brazil
Phone: +55 11 3711-6776
Fax: +55 11 5502-6780

Europe/Middle East &

Africa Headquarters Office

Reading, United Kingdom
Phone: +44 118 923 0800
Fax: +44 118 923 0801

Asia Pacific

Headquarters Office

Singapore
Phone: +65 6303 2100
Fax: +65 6303 2199

Internet

www.intermec.com
Worldwide Locations:
www.intermec.com/locations

Sales

Toll Free NA: (800) 934-3163
Toll in NA: (425) 348-2726
Freephone ROW:
00 800 4488 8844
Toll ROW: +44 134 435 0296

OEM Sales

Phone: (425) 348-2762

Media Sales

Phone: (513) 874-5882

Customer Service and Support

Toll Free NA: (800) 755-5505
Toll in NA: (425) 356-1799

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