

SR61HP

High Performance 2D Industrial
Handheld Scanner Family
Enhanced with Vesta Decoding



With the Intermec SR61 family of rugged handheld bar code scanners, you can eliminate the need for multiple scanning devices and benefit from a substantially reduced total cost of ownership. The SR61 family of scanners are:

- **Fast** – cutting-edge imagers scan 1D and 2D bar codes with unmatched motion tolerance and fast time-to-read, while also supporting image and real-time video capture
- **Rugged** – designed to withstand 26 drops to concrete or steel from 6.5 feet, hot and cold temperature extremes, constant forklift vibration and windblown dust and rain
- **Easy to use** – highly visible aimer makes targeting bar codes fast and efficient
- **Ergonomic** – comfort grip and omni-directional scanning capability result in less worker fatigue over a full shift
- **Compatible** – full speed USB 2.0 wired or Bluetooth® wireless interface to quickly transfer bar code data or images to host system

The Intermec SR61 handheld scanner family is built for rugged applications in warehouse, distribution and industrial manufacturing, and also supports proof of delivery and point of service applications. With a high impact housing that is virtually impenetrable and a solid state design, the SR61 exceeds industrial and military standards and can be counted on to perform well in harsh environments where dust, moisture or extreme temperatures are constants and operational uptime is critical.

Integrated high performance imaging technology allows for rapid scanning of virtually all 1D and 2D bar code symbologies. With unmatched motion tolerance (up to 500 in/sec) and support for omni-directional scanning, the SR61HP delivers incredible responsiveness at any scan angle. The addition of VESTA, Intermec's patented scanning algorithm, increases scan range by an average of 60 percent when scanning EAN/UPC and Code 39 symbologies (compared to previous generation SR61 scanners). Advanced capabilities—such as data parsing, multi-code reading, and image/video capture—are built-in and make SR61HP even more versatile.

With multiple scanning configurations, including tethered or Bluetooth wireless, the SR61HP scanner can be tailored to your environment—whether this includes reading specific bar code symbologies or decoding poor quality or damaged symbols. With

support for virtually all linear, stacked, composite and matrix bar code symbologies, SR61HP is well equipped for the future.

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, and pallet tracking applications.

The SR61 family also includes specialized models to meet unique application requirements. A non-incendive model allows for wedge-based scanning in hazardous environments commonly found in chemical, plastics and pharmaceutical production. And for optimal scanning of direct part marks (DPM), a high definition model is optimized for reading peened, chemical etched, or laser etched symbols on a variety of substrates. (For more information on the complete SR61 product offering, visit: www.intermec.com/sr61.)

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

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

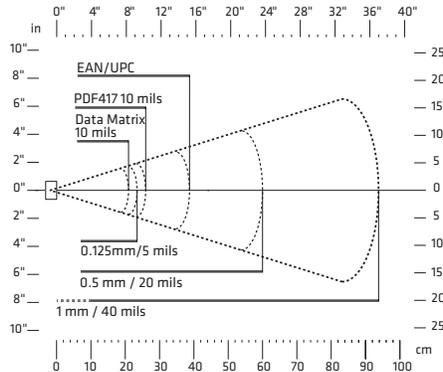
SR61xHP - High Performance Area Imager (EA30)

SR61xDPM - High Density & DPM Area Imager (EA30HD) *

* For more information on the EA30HD version of the SR61, see www.intermec.com/sr61.

Scan Range – Typical reading distances at 200 lux

SR61xHP (EA30) with VESTA*



Symbology	Density	Minimum Distance	Maximum Distance
Code 39	0.125 mm (5 mils)	6.8 cm (2.68 in)	23.5 cm (9.25 in)
	0.5 mm (20 mils)	7 cm (2.76 in)	60 cm (23.62 in)
	1mm (40 mils)	9.5 cm (3.74 in)	93.6 cm (36.85 in)
EAN/UPC	0.33 mm (13 mils)	6 cm (2.36 in)	38.4 cm (15.12 in)
PDF417	0.25 mm (10 mils)	5.5 cm (2.17 in)	26 cm (10.24 in)
	0.38 (15 mils)	6.5 cm (2.56 in)	36 cm (14.17 in)
DataMatrix	.025 mm (10 mils)	6 cm (2.36 in)	21 cm (8.27 in)

* VESTA is an Intermec-patented algorithm that increases read range of Code 39 and EAN/UPC marks by an average of 60 percent (compared to previous-generation SR61 scanners).

Supported Bar Code Symbolologies

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; Macro PDF; Micro PDF; Matrix 2 of 5; 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 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) (EN301 489-17 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

Regulatory Approvals for Hazardous Environments (SR61BHP-900)

Non-Incendive (Class 1; Division 2; Groups A, B, C, D; T6)

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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