Product profile

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.

Intermec®

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

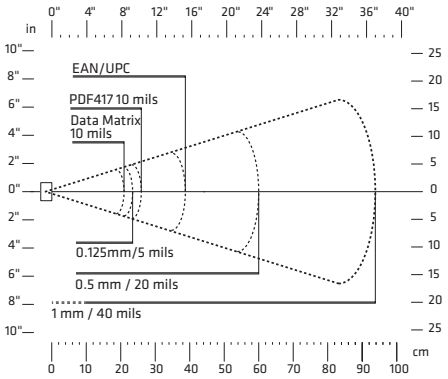
Radio – Wireless Models
Frequency Band: 2.4 GHz
Type: Bluetooth class 1 version 2.1 + EDR
Range (Class 1): 100 m (325 ft) in open space, 30 m (100 ft) in typical work environment
Features: Adaptive frequency hopping

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 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; 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

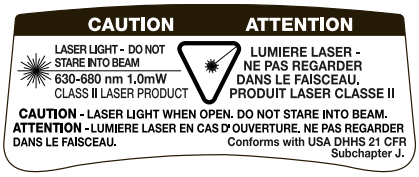
Standard Warranty
Tethered Models (SR61T): 3 years
Bluetooth Models (SR61B): 3 years (90 days on battery)
Extended protection available with Medallion support

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; Divison 2; Groups A, B, C, D; T6)



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