Product profile

SR61

Linear Industrial Handheld Scanner Family



With the Intermec SR61 family of rugged handheld bar code scanners, you can benefit from a substantially reduced total cost of ownership. The SR61 family of scanners are:

- **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** – bright LED aimer makes targeting bar codes fast and efficient
- **Ergonomic** – comfort grip and trigger location improve operator efficiency
- **Fast** – full speed USB 2.0 wired or Bluetooth® wireless interface to quickly transfer bar code data 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.

Choose between a linear area imager or laser scan engine, both of which allow for fast scanning of virtually all 1D bar code symbologies. With both scan engines rated at greater than 200 scans per second, the SR61 linear scanner delivers the rapid performance you need for point-of-service applications. And advanced capabilities, such as support for data manipulation (data parsing), increase scanner flexibility and ensures seamless integration with your existing application infrastructure.

With multiple scanning configurations, including tethered or wireless connectivity, the SR61 linear scanner can be tailored to your environment–whether this includes reading specific bar code symbologies or decoding poor quality or damaged symbols. Support for both legacy 1D bar code symbologies, as well as today's most commonly used 1D symbologies such as GS1, ensures reliable performance in your tough applications.

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.

This linear scanner is part of a large family of SR61 scanners suited for a variety of rugged data capture tasks. A high performance model, utilizing the Intermec EA30 imager, adds the capability to scan virtually all 2D bar code symbologies. 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 low-contrast metallic substrates. (For more information on the complete SR61 product line, 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), 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
SR61x1D - Linear Area Imager (EV10)
SR61xL - Linear Standard Range Laser (EL20)

Scan Range – Typical reading distances at 200 lux

SR61x1D (EV10)

Symbology	Density	Minimum Distance	Maximum Distance
Code 39	0.1 mm (3.8 mils)	10 cm (3.94 in)	14 cm (5.51 in)
	0.125 mm (5 mils)	9 cm (3.54 in)	17.5 cm (6.89 in)
	0.25 mm (10 mils)	5.5 cm (2.17 in)	26 cm (10.24 in)
	0.5 mm (20 mils)	4 cm (1.57 in)	35 cm (13.78 in)
	1 mm (40 mils)	7.5 cm (2.95 in)	49 cm (19.29 in)
EAN/UPC	0.33 mm (13 mils)	5.2 cm (2.05 in)	28.5 cm (11.22 in)

SR61xL (EL20)

Symbology	Density	Minimum Distance	Maximum Distance
Code 39	0.125 mm (5 mils)	10 cm (3.94 in)	19.5 cm (7.68 in)
	0.5 mm (20 mils)	6 cm (2.36 in)	85 cm (33.46 in)
	1.3 mm (51 mils)	41* cm (16.14 in)	150 cm (59.1 in)
EAN/UPC	0.33 mm (13 mils)	4.5 cm (1.77 in)	49 cm (19.29 in)

*Depends on symbology length and scan angle.

Supported Bar Code Symbologies
All Models: Codabar; Code 11; Code 128 (GS1-128); Code 39; Code 93/93i; EAN/UPC; GS1 DataBar Expanded; GS1 DataBar Limited; GS1 DataBar Omni-Directional; Interleaved 2 of 5; Matrix 2 of 5; MSI; Plessey; Standard 2 of 5; Telepen
SR61xL: Codablock; GS1 Composite; GS1 DataBar Stacked; Macro PDF; Micro PDF; PDF417; TLC39

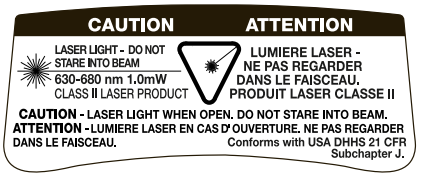
Environment
Operating Temperature: -20°C to +50°C (-4°F to +122°F)
Storage Temperature: -40°C to +70°C (-40°F to +158°F)
Humidity: 0% to 95% RH, non-condensing
Shock & Vibration: SAE Specification J1399 Class 3 (off road vehicle)
Rain and Dust Resistance: IP54
Drop Survival: 26 drops onto concrete or 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 (SR61TL); 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 (SR61BL); 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



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