The Intermec SR61T family of handheld barcode scanners offers a broad choice of linear imager, area imager and laser scanning options. The SR61T family of scanners are:

- **Ruggedized** – designed to maximize uptime by withstanding 26 drops to concrete or steel from 2 m (6.5 foot), hot and cold temperature extremes, constant forklift vibration and windblown dust and rain.

- **Easy to use** – all models feature highly visible easy to use aimers that make spotting the bar code fast and efficient.

- **Ergonomic** – area imagers feature omni-directional bar code reading to eliminate orientation and improve operator efficiency.

- **Powerful** – 2D imagers feature VGA+ resolution image capture, real time video and 1D & 2D bar code scanning in the single multipurpose device spreading your investment over multiple uses.

- **Fast** – features USB 2.0 full speed interface to quickly transfer bar code data or images to the host application saving operator time.

- **High Performance** – the HP imager model offers superior motion tolerance and fast time to read. A combination of white illumination and red laser aimer provide this scanner with exceptional time to read performance, saving time reading linear and 2D codes.

- **Future proofed** – 2D imagers easily read linear, stacked, composite and matrix barcodes.

The Intermec SR61T handheld scanner family meets the needs of rugged applications in warehouse, distribution and industrial manufacturing, and also supports proof of delivery and point of service applications. Featuring high impact housing that is virtually impenetrable as well as a solid state design, the SR61T scanners exceed industrial and military standards, and can be counted on for use in harsh environments where dust, moisture or extreme temperatures are constants and production uptime is critical. If your enterprise requires data collection tools that are dependable then the SR61T is the right choice for you.

The flexibility of the SR61T family of scanners also means customers can increase productivity while keeping costs down. This flexibility is demonstrated with the ability to interface with Intermec computers, printers and standard PCs. Additionally, users may connect to many host devices supporting multiple applications including inventory management, picking, shipping and receiving, cross docking, work-in-process, tool crib, and pallet tracking.

To save time during deployment the SR61T family includes Intermec’s EasySet™ software setup tool for quick and easy configuration and personalization of your scanner system. The SR61T family can improve many data capture applications by quickly decoding poor quality or damaged barcodes. The area imagers on board image capture and video function can remove the expense of separate digital image equipment often used to document and prove the condition of warehouse goods. Users can also quickly set security options, select beeper tones and volumes, specify good read and error read responses, and make many other customizations.
Physical Characteristics
Length: 19.4 cm (7.6 in) Width: 7.2 cm (2.8 in) Height: 13.1 cm (5.2 in) Weight: 320 gm (11.2 oz)

Power Requirements
5 vdc, 1.7A

Connectivity
Connection to Intermec computers and printers. Also connects to standard PCs.

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

Scan Engine Options
HP - High Performance Area Imager (EA30)
2D - Standard Area Imager (EA20x)
1D - Linear Imager (EV10)
L - Standard Range Laser (EL20)

Scan Range
Typical reading distances at 200 lux

Linear SR61T1D
Symbology | Density | Minimum Distance | Maximum Distance
--- | --- | --- | ---
Code 39 | 0.15 mm (6 mils) | 15.5 cm (6.10 in) | 22 cm (8.66 in)
| 0.2 mm (8 mils) | 11.5 cm (4.53 in) | 31 cm (12.20 in)
| 0.25 mm (10 mils) | 9 cm (3.54 in) | 41 cm (16.14 in)
| 0.5 mm (20 mils) | 8 cm (3.15 in) | 76 cm (29.92 in)
| 1 mm (40 mils) | 13 cm (5.12 in) | 120 cm (47.24 in)
EAN/UPC | 0.33 mm (13 mils) | 9 cm (3.54 in) | 48 cm (18.9 in)
PDF417 | 0.17 mm (6.6 mils) | 14.5 cm (5.71 in) | 22 cm (8.66 in)
| 0.25 mm (10 mils) | 9 cm (3.54 in) | 36 cm (14.17 in)
| 0.35 mm (15 mils) | 10 cm (3.94 in) | 52 cm (20.47 in)
DataMatrix | 0.25 mm (10 mils) | 13 cm (5.12 in) | 29 cm (11.42 in)

2D SR61T2D
Symbology | Density | Minimum Distance | Maximum Distance
--- | --- | --- | ---
Code 39 | 0.15 mm (6 mils) | 15.5 cm (6.10 in) | 22 cm (8.66 in)
| 0.2 mm (8 mils) | 11.5 cm (4.53 in) | 31 cm (12.20 in)
| 0.25 mm (10 mils) | 9 cm (3.54 in) | 41 cm (16.14 in)
| 0.5 mm (20 mils) | 8 cm (3.15 in) | 76 cm (29.92 in)
| 1 mm (40 mils) | 13 cm (5.12 in) | 120 cm (47.24 in)
EAN/UPC | 0.33 mm (13 mils) | 9 cm (3.54 in) | 48 cm (18.9 in)
PDF417 | 0.17 mm (6.6 mils) | 14.5 cm (5.71 in) | 22 cm (8.66 in)
| 0.25 mm (10 mils) | 9 cm (3.54 in) | 36 cm (14.17 in)
| 0.35 mm (15 mils) | 10 cm (3.94 in) | 52 cm (20.47 in)
DataMatrix | 0.25 mm (10 mils) | 13 cm (5.12 in) | 29 cm (11.42 in)

Supported Bar Code Symbologies
Supported Bar Code Symbologies for 1D and Laser Models
Codabar; Codablock A*; Codablock F*; Code 11; Code 39; Code 93/93i; Code 128/GS1-128; EAN/UPC; GS1 Composite; GS1 DataBar Expanded*; GS1 DataBar Limited*; GS1 DataBar OmniDirectional*; GS1 DataBar Stacked*; Interleaved 2 of 5; Matrix 2 of 5; Micro PDF417*; MSI; PDF417*; Plessey; Standard 2 of 5; Telepen; TLC 39
*These symbologies are only available with SR61TL (laser scanner).

Supported Bar Code Symbologies for 2D and HP Models
Australian Post; Aztec; BPO; Canada Post; Codabar; Codablock A; Codablock F; Code 11; Code 39; Code 93/93i; Code 128/GS1-128; DataMatrix; Dutch Post; EAN/UPC; GS1 Composite; GS1 DataBar; Expanded; GS1 DataBar Limited; GS1 DataBar Omni-Directional; GS1 DataBar Stacked; Infomail Intelligent mail; Interleaved 2 of 5; Japan Post; Matrix 2 of 5; Maxcode; Micro PDF417*; MSI; Multicode; PDF417; Planet; Plessey; Postnet; QR Code; Standard 2 of 5; Sweden Post; Telepen; TLC 39

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: 5% to 95% RH, Non-condensing
Shock: 2000G
Vibration: 8G from 10Hz to 500Hz, 2hr/axis, 3 axes
Rain and Dust Resistance: IP54
Drop Survival: 26 drops onto concrete or steel surface from a height of 1.98 meters (6.5 feet)
Ambient light: Works in any lighting conditions from 0 to 100,000 lux

Accessories
Desktop Holder
Wall Mount/Vehicle Holder
Hands Free Stand
Belt Holster
Dangle Suspension
Wrist Strap (Lanyard)

Regulatory Approvals
SR61T1D & SR61TL & SR61T2D Laser Class 1 product; SR61T1D Laser Class 1; CISPR 22 Class B; Part 15 of FCC rules, Class B; CE Mark (EU) (EN 55024, EN 55022 Class B; IEC 60950-1; IEC 60825-1); C-Tick; FCC Class B; EN 55022-1; C-Tick; EN 55022-2; C-Tick; EN 55024; IEC 60950-1, EN 60825-1; NOM (Mexico); E-Tick (Australia and New Zealand) (AS/NZS 3548 based on CISPR22); CQC (China)

Intermec
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