SR61T

(SR61T1D, SR61T2D,
SR61THP, SR61TL)

Industrial Tethered
Scanner Family

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

- **Ruggedized – designed to maximize up time 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 product for you. With multiple scan options, including linear, area and standard range laser, SR61T scanners allow users to configure their scanner to meet the needs of their environment – whether this includes reading specific barcode symbologies or decoding poor quality or damaged

symbols. If reading bar codes quickly while in motion is critical to your application, then the SR61THP is the right choice for you. Its high performance exceptional time to decode will add efficiency to many data collection environments. 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-inprocess, 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.

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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	0.1 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)

Laser SR61TL
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.

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)
	0.38 mm (15 mils)	10 cm (3.94 in)	52 cm (20.47 in)
DataMatrix	.025 mm (10 mils)	13 cm (5.12 in)	29 cm (11.42 in)

2D SR61THP
Symbology	Density	Minimum Distance	Maximum Distance
Code 39	0.125 mm (5 mils)	8 cm (3.15 in)	14 cm (5.51 in)
	0.5 mm (20 mils)	7 cm (2.76 in)	46 cm (18.11 in)
	1 mm (40 mils)	9.5 cm (3.74 in)	70 cm (27.56 in)
EAN/UPC	0.33 mm (13 mils)	6 cm (2.36 in)	32 cm (12.6 in)
PDF417	0.25 mm (10 mils)	5.5 cm (2.17 in)	26 cm (10.24 in)
	0.38 mm (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)

Supported Bar Code Symbologies for 1D and Laser Models
Codabar; Codablock A*; Codablock F*;
Code 11; Code 39; Code 93/93i;
Code 128/GSI-128; EAN/UPC;
GSI Composite*; GSI DataBar Expanded*;
GSI DataBar Limited*;
GSI DataBar OmniDirectional*;
GSI 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;
Clodablock A; Codablock F; Code 11; Code 39;
Code 93/93i; Code 128/GSI-128; DataMatrix; Dutch
Post; EAN/UPC; GSI Composite; GSI DataBar;
Expanded; GSI DataBar Limited; GSI DataBar
Omni-Directional; GSI DataBar Stacked; Infomail'
Intelligent mail; Interleaved 2 of 5; Japan Post;
Matrix 2 of 5; Maxicode; Micro PDF417;
MSI; Multicode; PDF417;
Planet; Plessey; Postnet; QR Code;
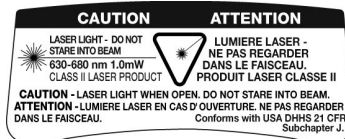Standard 2 of 5; Sweden Post; Telepen; TLC 39

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
SR61THP & SR61TL & SR61T2D Laser Class 2 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);cULus (Canada and the
USA) (UL 60950-1); GS Mark (Germany) (EN 60950-1,
EN 60825-1); NOM (Mexico); C-TICK (Australia and New
Zealand) (AS/NZS 3548 based on CISPR22); CQC (China)

CAUTION **ATTENTION**
LASER LIGHT - DO NOT STARE INTO BEAM
630-680 nm 1.0mW
CLASS II LASER PRODUCT
LUMIERE LASER - NE PAS REGARDER DANS LE FAISCEAU.
PRODUIT LASER CLASSE II
CAUTION - LASER LIGHT WHEN OPEN. DO NOT STARE INTO BEAM.
ATTENTION - LUMIERE LASER EN CAS D'OUVERTURE. NE PAS REGARDER DANS LE FAISCEAU.
Conforms with USA DHHS 21 CFR Subchapter J.

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