

## Product profile

# SR61

## Rugged Handheld Scanner



- Available in Bluetooth® cordless or cable versions
- Interfaces with Intermec terminals and personal computers
- Choice of linear imager, area imager, or standard range laser scan options
- Easy configuration and personalization
- Industrial durability stands up to harsh environments

The Intermec SR61 handheld scanner meets the needs of rugged applications in warehouse, distribution center and industrial manufacturing settings. The SR61 is engineered to withstand the abuse of industrial environments and to satisfy user demands that hand held scanners be as durable as forklifts. Its high impact housing is virtually impenetrable, and its solid state design provides protection exceeding industrial and military standards. The SR61 thrives in harsh environments where dust, moisture or extreme temperatures are constants and production uptime is critical.

Cordless versions of the SR61 handheld scanner incorporate the flexibility and rugged design of a handheld scanner with the seamless functionality of wireless communication. The SR61 features a personal area network (PAN) radio based on Bluetooth® communication protocol, making scanning easier and safer with no costly cables to damage or become entangled. Users gain hassle-free mobility up to 30 meters (100 feet) from the host.

With the ability to interface with Intermec computer products including the CN3 series, CK3, CK30, CK31, CK32, CK60, CK61, CV30, CV60, 700 series standard PCs, the SR61 cordless scanner increases productivity while keeping costs down. Users can connect to one Intermec

host device enabling multiple people to scan items for inventory management, picking, shipping and receiving, cross docking, work-in-process, tool crib, and pallet tracking, all with ease.

With multiple scan options, including linear, area and standard range laser, the SR61 allows users to configure the scanner to meet the specific needs of their environment, whether they include reading specific barcode symbologies, decoding poor quality or damaged barcodes with ease or utilize image capture for proof of delivery and point of service applications.

The SR61 includes Intermec's EasySet™ software setup tool for easy configuration and personalization. The user can quickly set security options, select beeper tones and volumes, good read and error read responses, and many other customizations.

Scan intensive applications require reliable, accurate scanning and the SR61 delivers. The SR61 is designed to withstand rigorous application environments surviving multiple drops to concrete, cold and hot temperatures, and sealed to withstand dirt and water.

The SR61 cordless scanner delivers 10+ hours of use with a long lasting lithium ion battery that can be easily swapped ensuring minimal downtime.

### Physical Characteristics

**Length:** 17.78 cm (7 in)  
**Width:** 6.99 cm (2.75 in)  
**Depth:** 11.43 cm (4.5 in)  
**Weight (Cordless version with battery):**  
425 gm (15 oz)  
**Weight (Cabled version without cable):** 280 gm (10 oz)

### Power (Cordless)

**Battery Type:** Lithium-ion  
**Battery Life:** 10+ hours per full charge  
**Recharging Time:** 2.5 hours for 90% charge

### Power (Cabled)

Cabled versions are powered via host or universal 5 volt power supply

### Connectivity

Bluetooth radio connection to Intermec computers including the CN3 series, CK3, CK30, CK31, CK32, CK60, CK61, CV30, CV60, 700 series and standard PCs.

### Interfaces

RS232, USB, Keyboard Wedge, Wand Emulation

### Radio Characteristics

**Frequency Band:** 2.4 GHz  
**Radio Type:** Bluetooth Class 1 version 1.2  
**Radio Data Rate:** 1 megabit per second

### Radio Range

**Host radio Class 1:** 30.5 m (100 ft)  
**Host radio Class 2:** 10 m (32.8 ft)  
**Features:** Adaptive Frequency Hopping

### Scan Engine Options

Standard range laser (EL20)  
Linear imager (EV10)  
Area imager (EA11)

### Scan Range

Standard range laser - Intermec EL20

Symbology	Density	Minimum Distance	Maximum Distance
Code 39	0.125mm	10 cm	20 cm
	5 mil	3.94 in	7.87 in
UPC/EAN	0.33 mm	*	55 cm
	13 mil		21.65 in
Code 39	1.397 mm	*	150 cm
	55 mil		59.06 in

### Area Imager - Intermec EA11

Symbology	Density	Minimum Distance	Maximum Distance
Code 39	0.125mm	7.5 cm	12.5 cm
	5 mils	3 in	4.9 in
	0.25 mm	3.8 cm	26.5 cm
	10 mils	1.5 in	10.4 in
UPC/EAN	0.5 mm	4.5 cm	48 cm
	20 mils	1.8 in	18.9 in
	0.33 mm	4.5 cm	32.5 cm
	13 mils	1.8 in	12.8 in
Data Matrix	0.168 mm	8.2 cm	12 cm
	6.6 mils	3.2 in	4.7 in
	0.254 mm	5 cm	21 cm
	10mils	2 in	8.3 in
PDF417	0.381 mm	4 cm	31.5 cm
	15 mils	1.6 in	12.4 in
	0.168 mm	6.4 cm	15.8 cm
	6.6 mils	2.5 in	6.2 in
PDF417	0.254 mm	4.2 cm	23.5 cm
	10 mils	1.7 in	9.3 in

### Linear Imager - Intermec EV10

Symbology	Bar Code Content	Density	Minimum Distance	Maximum Distance
Code 39	RESO	0.1 mm	10 cm	15 cm
	0.100MM	4 mil	3.9 in	5.9 in
	R 0.125 MM	0.125 mm 5 mil	9 cm 3.5 in	18.5 cm 7.3 in
Code 39	0.25	0.25 mm 10 mils	5.5 cm 2.2 in	27.5 cm 10.8 in
	.5	.05 mm 20 mil	4 cm 1.6 in	37 cm 14.6 in
	RiMM	1 mm 40 mil	7.5 cm 3 in	51 cm
UPC/EAN	12001000	0.33 mm 13 mils	5.2 cm 2 in	29.5 cm 11.6 in
	10100	0.254 mm 10 mils	10 cm 3.9 in	17.5 cm 6.9 in
PDF417	15 mil	0.381 mm 15 mils	8 cm 3.1 in	19.5 cm 7.7 in

### Supported Bar Code Symbolologies

**1D (all versions):** Code 128/EAN128; Code 39; Interleaved 2/5; UPC/EAN/ISBN including add-ons; 2/5 Matrix, standard; Codabar; Code 93; MSI; Plessey; Code 93i; Code 11; Telepen; ISBT128; RSS  
**Stacked (Linear and Area versions only):** RSS; Micro PDF; PDF417; Macro PDF; Codablock; TLC39; Composite Codes (CC-A, B & C)  
**2D (Area version only):** Maxicode; DataMatrix; QR Code; 4-State Postal Code; Planet Postal Code; Postnet Postal Code

### Environment

**Operating Temperature:** -20°C to +50°C (-4°F to +122°F)  
**Storage Temperature:** -40°C to +70°C (-90°F to +158°F)  
**Recharging Temperature:** 0°C to +35°C (32°F to +95°F)  
**Humidity:** 0 to 95% RH, Non-condensing  
**Shock and Vibration Protection:** 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 meters (6.5 feet)  
**Ambient light:** Works in any lighting conditions from 0 to 100,000 lux

### Accessories (Cordless)

SR61 Dangle Suspension (wrist or fixed)  
Belt Holster  
Desktop / Wall Mount Charger  
2, 4 and 8 Bay Charger  
Bluetooth USB Adapter  
Replacement Battery w/ Boot  
EasySet™ Configuration Utility  
Bluetooth RS232 adapter  
Keypoint Lite Software Wedge (for use with PCs using Win 95, 98, 2000, XP SP1 and English QWERTY keyboards)  
Keypoint Bluetooth Software Wedge (for use with PCs using Win XP SP2 and international keyboard types)

### Accessories (Cabled)

Desktop Holder  
Wall Mount Holder  
Vehicle Holder  
Hands Free Stand

### Regulatory Approvals

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 and SRRS (China); Spring Mark (Singapore); MIC (South Korea); ANATEL (Brazil)

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