

Preliminary  
Product profile

# SR31T

Durable 1D/2D  
Handheld Scanner



The Intermec SR31T tethered scanner provides premium performance, durability and ease of use for a wide variety of scan-intensive applications.

- **Fast** – Available with the industry's fastest 2D imaging technology for highly responsive, dependable scanning
- **Durable** – Tested to withstand six-foot drops to concrete and rated IP53
- **Easy to Use** – Simple to install, with a plug-and-play universal cabling system
- **Adaptable** – Can be customized to your environment, with adjustable LED color, beeper tone and vibration setting
- **Ergonomic** – Time-tested design is comfortable to hold for extended periods

#### Gain a Performance Advantage

The SR31T was designed to maximize user productivity. Area imager versions integrate Intermec's EA30 or EA31 imaging engines for a level of scanning speed and responsiveness historically found in only the fastest laser scanners. Extreme motion tolerance (up to 500 in/sec) and omnidirectional reading result in effortless, consistent scanning—at any orientation.

With an uncanny ability to read poor-quality codes, the SR31T can help you avoid error-prone manual data input routines. Read codes that are damaged, partially obscured, off-angle, colored, high resolution, or low contrast. And thanks to VESTA, Intermec's patented scanning algorithm, EAN/UPC and Code 39 read range is increased by an average of 60 percent.\*

#### Ready for Tomorrow

The SR31T high performance imager was developed to address your scanning needs now and well into the future. Not only can it read all common 1D, PDF, 2D, and postal symbologies—it can also reliably read these codes from smartphone, tablet, and computer displays.

#### Reliability for the Long Term

Performance isn't just about speed; it's also about longevity in demanding environments. The SR31T sets a new ruggedness standard, with an IP53 rating

for protection against dust and water ingress, and an impressive two meter (6 ft) drop specification to concrete.

#### Easy to Install, Easy to Use

Integrating the SR31T into your environment is truly plug-and-play. Simply connect the scanner to the host and start scanning. If new application requirements arise, just change out the interface cable with the simple pushbutton—no need to replace the entire scanner. This flexibility reduces device costs and complexity, both for you and your IT staff.

The SR31T also includes distinctive design elements that add to its versatility. Unique touches, like the over-sized LED light pipe on the scanner head, provide bright 360-degree feedback in any lighting condition—and its color can be personalized to match the décor of your environment.

#### Scanner Configuration Made Easy

The SR31T can be quickly and easily customized with Intermec's exclusive EasySet™ PC programming tool. In just a few clicks, this Windows-based utility can print configuration bar codes; adjust security settings; activate or disable symbologies; and alter beeper, vibrate or LED settings. Even sophisticated data editing routines can be set. When you're satisfied with the settings, simply create a configuration bar code to quickly program additional scanners to match.



\*Compared to previous-generation SR30 scanners.

## Physical Characteristics

### Dimensions (LxWxH):

10.7 cm (4.2 in) x 6.8 cm (2.7 in) x 16.8 cm (6.6 in)

**Weight:** 195 gm (6.9 oz)

## Typical Power Consumption

**SR31T2D/HP:** 330mA @ 5V DC

**SR31T1D:** 120mA @ 5V DC

## Connectivity

- USB: Virtual Com & HID profiles
- POS Interfaces: HID POS, IBM SurePOS
- PC Keyboard Wedge
- RS232
- Wand Emulation
- OS Compatibility: iOS, Android®, Windows XP/Vista/7/8

## Scan Technology

**SR31THP:** Intermec Area Imager with Laser Aimer (EA30)

**SR31T2D:** Intermec Area Imager with LED Aimer (EA31)

**SR31T1D:** Intermec Linear Imager (EV14+)

## Bar Code Symbolologies for 1D Model (SR31T1D)

Codabar, Code 11, Code 39, Code 93/93i, Code 128 / GS1-128, EAN/UPC, GS1 DataBar Limited, GS1 Composite (linear only), GS1 DataBar Expanded, GS1 DataBar Omnidirectional, Interleaved 2 of 5, Matrix 2 of 5, MSI, Plessey, Standard 2 of 5, Telepen

## Bar Code Symbolologies for 2D Models (SR31THP/2D)

All above symbolologies supported by 1D model plus the following: DataMatrix, QR Code, Micro QR, PDF417, Micro PDF417, Aztec, Maxicode, Han Xin, Codablock A, Codablock F, GS1 Composite, TLC 39, and Postal Codes (Australian Post, BPO, Canada Post, Dutch Post, Infomail, Intelligent Mail, Japan Post, Planet, Postnet, Sweden Post)

## Scan Performance

### Min. Code Resolution:

1D Codes: 4 mils

2D Codes: 6.6 mils

### Min. Print Contrast:

SR31T1D: 25%

SR31T2D/HP: 20%

### Max. Scan Rate:

SR31T1D: 200 scans/s

### Motion Tolerance:

SR31THP: 500 in/s

SR31T2D: 400 in/s

## User Feedback

- Oversized, Multi-Color User-Configuration LED
- Configurable Buzzer
- Configurable Vibrator

## Environment

**Operating Temperature:** 0°C to +50°C (32°F to +122°F)

**Storage Temperature:** -20°C to +70°C (-4°F to +158°F)

**Relative humidity:** 5 to 95% non-condensing

**Drop:** 26 drops from 1.83 m (6 ft.) to concrete

**Environmental rating:** IP53

**Ambient light:** 0 to 100,000 lux

## Electromagnetic Emissions Standards

Meets the requirements of the following product emission standards:

- FCC Part 15 Class B (United States)
- Industry Canada ICES-003 Class B (Canada)
- EN 55022: CISPR 22 Class B (European Union)

## Environmental Compliance Requirements

Conforms to environmental compliance requirements for RoHS, China RoHS, WEEE, and REACH.

## Regulatory Approvals

UL; CE Mark (EU); C-TICK (Australia and New Zealand)

## Standard Warranty

Five year standard warranty, with extended protection available via Intermec Medallion Support Services.

## Accessories

View the SR31T Accessory Guide for complete details.

- Adjustable Stand
- Gooseneck Stand
- Cables (USB, Powered USB, RS232, Keyboard Wedge Interface, Wand Emulation)
- EasySet™ Configuration Software



Note: This warning applies only to SR31THP (EA30) models.

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