

Product profile

SR31T

Durable 2D Handheld Scanner
for Healthcare Applications



HEALTHCARE

Specialized housing withstands common disinfectants used in healthcare environments and a laser-free design is perfect for patient-facing applications



SCANNING

Available with the industry's fastest 2D imaging technology for highly responsive, dependable scanning



RUGGED

Withstands repeated 1.83 meter drops to concrete and rated IP53 against water and dust ingress



PLUG & PLAY

Simply connect the scanner to the host and start scanning immediately; no time-consuming configuration necessary



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

In healthcare, adhering to data collection best practices isn't just smart—it's necessary. From the admitting desk to the pharmacy, the SR31T features the fastest time-to-read of any scanner in its class—making it easy to comply with data collection policies that promote patient safety.

Gain a Performance Advantage

Designed around the needs of the healthcare worker, the SR31T integrates our EA31 imaging engine for a level of scanning speed and responsiveness historically found in only the fastest laser scanners. Extreme motion tolerance (up to 400 in/sec) and support for omni-directional 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 inputs. Read codes that are damaged, partially obscured, off-angle, colored, or low contrast. And with the addition of VESTA—Intermec's patented decode algorithm—even very small, high resolution codes commonly found on patient wristbands, pill bottles, and lab slide labels can be read with ease. Fast, hassle-free scanning means you can improve your workers' scanning compliance rates and reduce the likelihood they develop process workarounds that could jeopardize accuracy.

Ready for the Future of Healthcare

The SR31T was developed to address your healthcare 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 for healthcare scanners, with an IP53 rating for protection against liquid and solid particle ingress, and an impressive 1.8 meter (six foot) drop specification to concrete. In addition to its durable construction, the SR31T healthcare scanner is also made of specialized disinfectant-ready plastics that withstand the harmful effects of common cleaning agents.

A complete range of accessories ensure SR31T will fit into your scanning application. Scan stands and mounts enable hands-free presentation mode scanning, and a variety of interface cables guarantee easy communication to your host device.

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.



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

360 mA @ 5V DC

Connectivity

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

Scan Technology

Intermec Area Imager with LED Aimer (EA31)

Supported 1D Bar Code Symbolologies

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

Supported 2D Bar Code Symbolologies

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: 20%

Motion Tolerance: 400 in/s

User Feedback

- Oversized, Multi-Color 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

Tumbles: 3000 tumbles at 1 m height

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 through [Intermec Medallion Support Services](#).

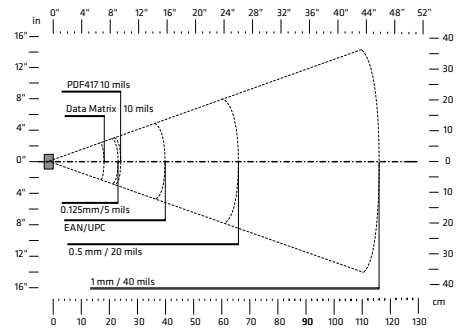
Accessories

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

Typical Reading Distances*

SR31T2D



Symbology	Density	Minimum Distance	Maximum Distance
Code 39	0.1 mm (4 mils)	3 cm (1.18 in)	18 cm (7.09 in)
	0.125 mm (5 mils)	3 cm (1.18 in)	23 cm (9.06 in)
	0.5 mm (20 mils)	5 cm (1.97 in)	66 cm (25.98 in)
	1 mm (40 mils)	13 cm (5.12 in)	116 cm (45.67 in)
EAN/UPC	0.33 mm (13 mils)	4 cm (1.57 in)	40 cm (15.75 in)
PDF417	0.25 mm (10 mils)	3 cm (1.18 in)	24 cm (9.45 in)
	0.38 (15 mils)	3 cm (1.18 in)	35 cm (13.78 in)
DataMatrix	0.25 mm (10 mils)	4 cm (1.57 in)	18 cm (7.09 in)

*The reading distances for each scanner are typical distances measured from the front end of the scanner bezel in an office environment (200 lux) with extended reading range activated (if applicable).



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