

# SG20

## 2D Handheld Scanner for Healthcare Applications



The Intermec SG20 is an affordable, high performance family of handheld scanners available in tethered or cordless models. Designed to the needs of healthcare, the SG20 helps to ensure that patient safety standards are consistently met.

- Certified by leading healthcare IT agencies Cerner and McKesson, and compatible with healthcare information management systems, point-of-sale systems, iOS® and Android® devices, PCs, and common software platforms
- Features the industry's fastest 2D imager for highly responsive omnidirectional scanning
- Unique, ergonomic styling maximizes comfort and saves countertop space
- White scanner housing made of disinfectant-ready material
- Large LED provides effective visual operational feedback
- Wide range of affordable, multi-purpose accessories increase scanner flexibility

### Improving Patient Safety

The Intermec SG20 high performance healthcare scanner features responsive and reliable performance to help eliminate errors and improve patient care. Whether at the admitting desk, nurses' station, patient bedside, lab or pharmacy—the SG20 minimizes the time and effort to read a bar code, improving productivity while ensuring important verification processes are completed.

### Responsive and Comfortable Scanning

Scanners have long been the de facto data capture device for healthcare, but are often slow, unreliable and not well suited to these environments. The SG20 is built to excel in the hospital, with the industry's fastest omnidirectional 2D bar code reading technology and more motion tolerance than competing devices. This ensures all common 1D and 2D bar codes are scanned easily and consistently, at any orientation, without time-consuming item repositioning or disturbance to resting patients.

A variety of communication options make the transition to automatic bar code data capture fast and easy. Connecting to your existing infrastructure is easy with support for USB, RS232, and keyboard wedge cable interfaces—as well as optional Bluetooth® wireless connectivity.

### Perfectly Matched to Your Needs

Healthcare scanners are often used at the point of care where infection control is crucial. The disinfectant-ready housing of the SG20,

when combined with a protocol of frequent disinfecting, can minimize the spread of infectious diseases while providing years of reliable service under these conditions.

The SG20 family includes the option of either a Bluetooth wireless or tethered (cabled) scanner, and a choice between high performance scan engines with laser or LED aimers—perfect for patient-facing applications. This makes it possible to standardize on a single scanner family across your healthcare operation while providing just the right model for your exact needs.

A variety of matching accessories, such as scanner stands, enable hands-free scanning and free up much needed counter or COW space.

### Setting a New Design Standard

The SG20 is enclosed in an all-white housing to match the clean aesthetics of most hospital environments.

The arching profile of the SG20 is perfect for tight spaces and the large multi-color LED can be customized to match the color of your décor or brand.

### Part of a Complete Intermec Solution

The SG20 can be quickly and easily configured with Intermec's exclusive EasySet™ PC programming tool. In just a few clicks, this Windows-based utility can print programming barcodes for custom configurations. Adjust security settings, symbologies, beeper tone and volume, LED color—even set up advanced data editing routines.

## Comprehensive Support Services Available

Intermec bar code scanners operate in dynamic business environments, and a support plan can protect you from unforeseen contingencies. Intermec Medallion® Service programs deliver the highest levels of productivity, device reliability, and uptime. Choose the right amount of coverage appropriate for your operations. For more, visit [www.intermec.com/services](http://www.intermec.com/services).

### Physical Characteristics

#### Dimension (L x W x H):

20 cm (7.9 in) x 6.1 cm (2.4 in) x 6.5 cm (2.6 in)

**Weight (SG20T):** 125 g (4.41 oz)

**Weight (SG20B):** 175 g (6.17 oz)

### Electrical Specifications

**Battery:** Lithium-ion rechargeable (1567 mAh)

**Battery Life:** 8K scans from 70% capacity

**Battery Recharge Cycle:** 3 hrs when connected to external power supply; 6 hrs when slow charged from typical USB port

### Typical Power Consumption

**Tethered (Corded) Versions @5V DC:** 330mA

**Wireless Versions (Base Station):** 0.5A maximum

### Bluetooth Radio

**Type:** Bluetooth Class 2 v2.1+EDR

**Range:** 10 m (32.8 ft)

**Features:** Adaptive Frequency Hopping (AFH)

### Connectivity

- **USB:** HID keyboard (with Apple iOS support), HID POS\*, IBM SurePOS\*, virtual comm port
- **PC keyboard wedge**
- **RS232**

\* Tethered (corded) versions

### Scan Technology

Intermec Area Imager with Laser Aimer (EA30)

Intermec Area Imager with LED Aimer (EA31)

### Scan Performance

#### Min. Code Resolution:

**1D Codes:** 4 mil

**2D Codes:** 6.6 mil

#### Min. Print Contrast:

20%

#### Motion Tolerance:

**SG20xHPHC:** 500 in/s

**SG20x2DHC:** 400 in/s

### Bar Code Symbologies Supported (1D)

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 Symbologies Supported (2D)

Australian Post, Aztec, BPO, Canada Post, Codablock A, Codablock F, DataMatrix, Dutch Post, EAN/UPC, GS1 Composite, GS1 DataBar Stacked, Infomail, Intelligent Mail, Japan Post, Maxicode, Micro PDF417, Multicode, PDF417, Planet, Postnet, QR Code, Sweden Post, TLC 39

### Temperature and Environmental Specifications

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

**Storage Temperature:** -20°C to 60°C (-4°F to 140°F)

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

**Drop:** 1.2 m (4 ft) to concrete

**Environmental Rating:** IP30

**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

RoHS, China RoHS, WEEE, and REACH.

### Approved Disinfectants

CaviCide (Metrex); CidexPlus (Johnson & Johnson); Clorox; MadaCide-1 (MadaMedicalProduct); Super Sani-Cloth (PDI); Viraguard (Veridien)

### Industry Approvals

Healthcare: Cerner (Certified), McKesson (Certified)

### Regulatory Approvals

UL; CE Mark (EU); NOM (Mexico); C-TICK (Australia and New Zealand); SRRS (China); IDA (Singapore); ANATEL (Brazil); Industry Canada ICES-003 Class B (Canada)

### Standard Warranty

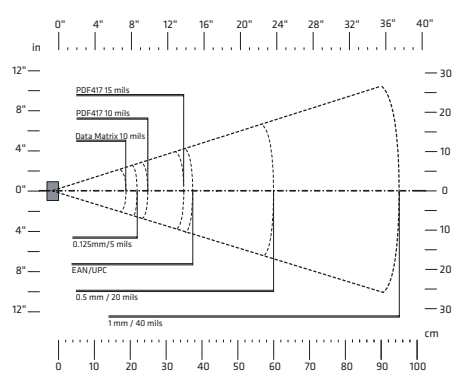
- **Tethered Models (SG20T):** 5 years
- **Wireless Models (SG20B):** 3 years
- Extended protection available with Intermec Medallion Support—for more information, visit [www.intermec.com/services](http://www.intermec.com/services)

### Accessories

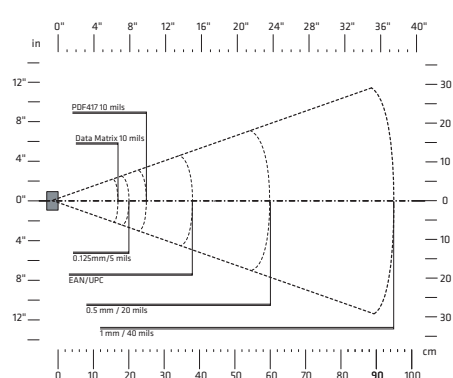
View the [SG20 Accessory Guide](#) for accessories.

### Typical Reading Distances\*

#### SG20xHPHC



#### SG20x2DHC



\* 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.



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