

## Product profile

# SG20

## Healthcare 2D Imager



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.

- 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
- Integrates seamlessly with healthcare information management systems, point of sale systems, PCs, and common software solutions

Hospitals are under tremendous pressure to prevent errors while delivering efficient, high quality care to their patients. 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.

Innovations in hospital information management systems and compliance with government regulations have improved patient tracking, safety, and records keeping. Scanners are a vital input device into these systems but are often slow, unreliable and not well-suited to the rigors of hospital environments. The SG20 is built to thrive in the hospital, with the industry's fastest omnidirectional 2D bar code reading technology and more than 50 times the motion tolerance of typical scanners. 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

When used in a healthcare setting, data collection devices 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.

Intermec understands that a “one-size-fits-all” approach to healthcare scanning can limit user efficiency and accuracy, so the SG20 family includes the option of either a Bluetooth wireless or tethered (cabled) scanner. 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. Regardless of the configuration, the entire SG20 line is priced for affordability and value.

## Setting a New Design Standard

Careful attention to detail and extensive usability testing have resulted in an elegant design optimized for user comfort. And the all-white housing matches the clean aesthetics of most hospital environments.

The arching profile of the SG20 is perfect for tight spaces and the large multi-color LED provides a bright visual cue to confirm a successful scan, which can be helpful in noisy environments. For areas where an audible tone is not desired, such as post-op or patient bedside, the SG20 can be muted with just the LED providing status indication.

## 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  
**Cordless 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, HID POS\*, IBM SurePOS\*, virtual comm port
  - PC keyboard wedge
  - RS232
- \* Tethered (corded) versions

## Scan Technology

Intermec Area Imager (EA30)

## Bar Code Symbologies

Australian Post, Aztec, BPO, Canada Post, Infomail, Codabar, Codablock A, Codablock A, Codablock F, Code 11, Code 39, Code 93/93i, Code 128 / GS1-128, DataMatrix, Dutch Post, EAN/UPC, GS1 Composite, GS1 DataBar Expanded, GS1 DataBar Limited, GS1 DataBar Omnidirectional, GS1 DataBar Stacked, 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

## 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

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

## Approved Disinfectants

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

## Regulatory Approvals

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

## Standard Warranty

- **Tethered Models (SG20T):** 5 years
- **Bluetooth Models (SG20B):** 3 years
- Extended protection available with Intermec Medallion Support

## Accessories

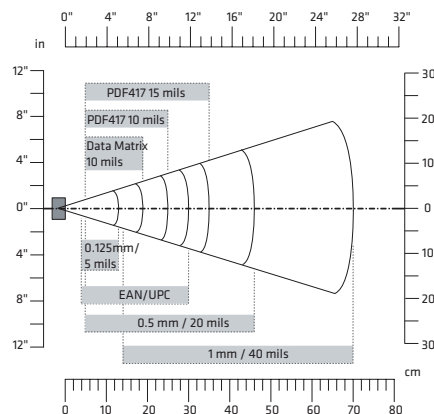
Consult the SG20 Accessory Guide for accessory details.

- Adjustable hands free desktop scan stand
- Desktop/wall mount holder
- Charge base (for cordless versions)
- Bluetooth charge base (for cordless versions)
- USB, RS232, keyboard wedge interface cables
- EasySet™ configuration software

## Typical Reading Distances\*

**Min. X dimension 1D:** 4 mils (0.1 mm)

**Min. X dimension 2D:** 6.6 mils (0.17 mm)



\* The reading distances given are typical reading distances measured in an office environment (200 lux)



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