

## Product profile

# SG20

## General Duty Imager



The Intermec SG20 is an affordable, high performance handheld scanner available in a range of models suited to the demands of general purpose countertop scanning.

- Features the industry's fastest 2D imaging technology for highly responsive, dependable scanning
- Unique, ergonomic styling maximizes comfort and saves countertop space
- Large LED indicator provides effective visual operational feedback
- Bluetooth® wireless or tethered (cabled) connectivity
- Choice of imaging options matched to your scanning needs—1D or high performance 2D scan engines
- Wide range of multi-purpose accessories increase scanner flexibility
- Integrates seamlessly with point of sale systems, personal computers, and common software solutions

### Best-in-class motion tolerance for the fastest scans

Improving customer satisfaction has long been the mission of retailers everywhere, and making the checkout process more efficient is a key area of focus. By providing highly responsive and accurate scanning at checkout, the Intermec SG20 handheld bar code scanner helps you improve the customer experience.

#### Reliable, Responsive Scanning

The checkout process is all about speed and efficiency. The SG20HP features the industry's fastest bar code reading technology, providing more than 50 times the motion tolerance of typical scanners. This ensures that all common 1D and 2D bar codes are scanned easily and consistently so you can serve your customers quicker.

Unlike laser scanners, the SG20HP supports true omnidirectional scanning of both 1D and 2D bar codes. When combined with best-in-class motion tolerance, this capability means your bar codes can be scanned at record speeds, at any orientation. Now, you don't have to waste time repositioning awkward items to get a successful scan.

#### Perfectly Matched to Your Needs

Intermec understands that a "one-size-fits-all" approach to scanning can limit user efficiency and accuracy, so the SG20 family includes a range of models with different communication and scanning capabilities.

Select between Bluetooth wireless for up to 10 meters (32.8 feet) of range, or the simplicity of tethered (cabled) connectivity. Choose the scan engine matched to your needs: either 1D-only or high performance 1D/2D scanning. Now, you can standardize on a single scanner family across your operation while providing employees with just the right capabilities they need for their specific tasks.

A variety of matching accessories, such as scan stands and holders, enable hands-free scanning and free up counter or desktop space. Regardless of the configuration, the entire SG20 line is priced for affordability and value.

#### Setting a New Design Standard

The stylish design of the SG20 sets it apart from traditional gun-shaped handheld scanners. Careful attention to detail and extensive usability testing have resulted in a scanner that is not only aesthetically pleasing on any countertop, but also optimized for user comfort with a natural smooth grip and trigger location.

The arching profile of the SG20 is perfect for tight spaces and the over-sized multi-color LED provides a bright visual cue to confirm a successful scan, which can be helpful in noisy environments. In fact, the LED can be programmed to match the decor of your storefront.

**Intermec®**

## 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:** Minimum 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

#### Corded Versions @5V DC:

120mA (SG20T1D); 330mA (SG20THP)

**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

### North America

#### Corporate Headquarters

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### Scan Technology

**SG20xHP:** Intermec Area Imager (EA30)

**SG20x1D:** Intermec Linear Imager (EV technology)

### Bar Code Symbologies for 1D Model (SG20x1D)

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 for 2D Models (SG20xHP)

All above symbologies supported by 1D model plus the following: 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

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

### 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 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

### Internet

[www.intermec.com](http://www.intermec.com)

Worldwide Locations:

[www.intermec.com/locations](http://www.intermec.com/locations)

### Sales

Toll Free NA: (800) 934-3163

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Freephone ROW:

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Toll ROW: +44 134 435 0296

### OEM Sales

Phone: (425) 348-2762

### Media Sales

Phone: (513) 874-5882

### Customer Service and Support

Toll Free NA: (800) 755-5505

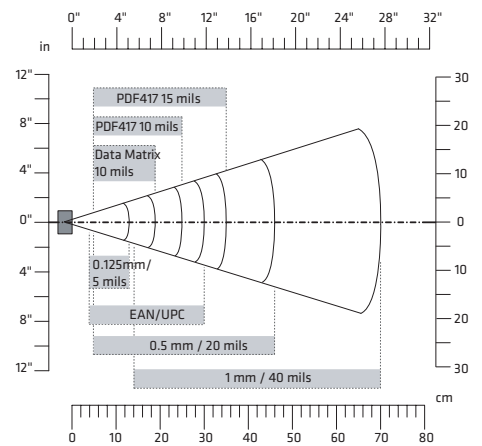
Toll in NA: (425) 356-1799

## Typical Reading Distances\*

### SG20xHP

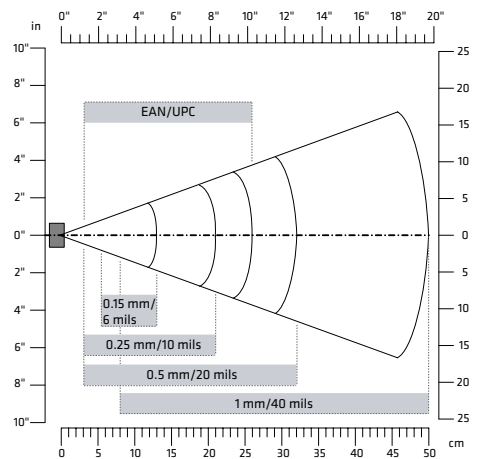
**Min. X dimension 1D:** 4 mils (0.1 mm)

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



### SG20x1D

**Minimum X dimension:** 6 mils (0.15 mm)



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



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# 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

## High performance scanning fit for healthcare applications

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

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## Physical Characteristics

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

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## 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

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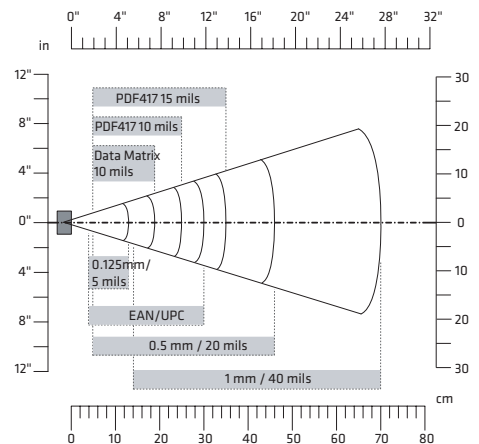
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- Desktop/wall mount holder
- Charge base (for cordless versions)
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- EasySet™ configuration software

## Typical Reading Distances\*

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