

SG20

High-Performance Healthcare Scanner

The Honeywell 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 scanner minimizes the time and effort to read a barcode, improving productivity while helping complete important verification processes.

Scanners have long been the de facto data capture device for healthcare, but are often slow, unreliable and not well-suited to this environment. The SG20 scanner is built to excel in the hospital, with industry-leading omnidirectional 2D barcode reading speed and technology and more motion tolerance than competing devices. All common 1D and 2D barcodes can be scanned easily and consistently at almost any orientation without time-consuming item repositioning or disturbance to resting patients.

A variety of communication options make the transition to automatic barcode data capture fast and easy. Connecting to your existing infrastructure is easy with support for USB, RS-232 and keyboard wedge cable interfaces – as well as optional Bluetooth® wireless connectivity.

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



Designed to meet the needs of healthcare, the SG20 scanner helps you consistently meet patient safety standards.

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 needs.

The SG20 is enclosed in an all-white housing to match the clean aesthetic appearance of most hospital environments. In addition, 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.

FEATURES & BENEFITS



Compatible with most healthcare information management systems, iOS and Android™ devices, and PCs.



Features industry-leading omnidirectional 2D barcode reading speed and technology for highly responsive scanning.



Distinctive, ergonomic styling maximizes comfort and saves countertop space.



White scanner housing made of disinfectant-ready material.



Large LED indicator provides effective visual operational feedback.

SG20 Technical Specifications

PHYSICAL CHARACTERISTICS

Dimensions (L x W x H): 20 x 6.1 x 6.5 cm (7.9 x 2.4 x 2.6 in)

Weight: SG20T: 125 g (4.41 oz)
SG20B: 175 g (6.17 oz)

ELECTRICAL

Battery: Lithium-ion rechargeable (1567 mAh)
Battery Life: 8K scans from 70% capacity
Battery Recharge Cycle: 3 hours when connected to external power supply; 6 hours 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 communications port
 - PC keyboard wedge
 - RS-232
- * Tethered (corded) versions

SCAN TECHNOLOGY

Honeywell Area Imager, Laser Aimer (EA30)
Honeywell Area Imager, LED Aimer (EA31)

SCAN PERFORMANCE

Minimum Code Resolution: 1D Codes: 4 mils
2D Codes: 6.6 mils
Minimum Print Contrast: 20%
Motion Tolerance: SG20xHP: 12.7 m/s (500 in)
SG20x2D: 10.16 m/s (400 in)

BARCODE 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
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

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 m (3.4 ft) to concrete

Environmental Rating: IP30

Ambient Light: 0 to 100,000 lux

ELECTROMAGNETIC EMISSIONS

Meets the requirements of the following product emission standards:

United States: FCC Part 15 Class B

Canada: Industry Canada ICES-003 Class B

European Union: EN 55022: CISPR 22 Class B

ENVIRONMENTAL COMPLIANCE

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)

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

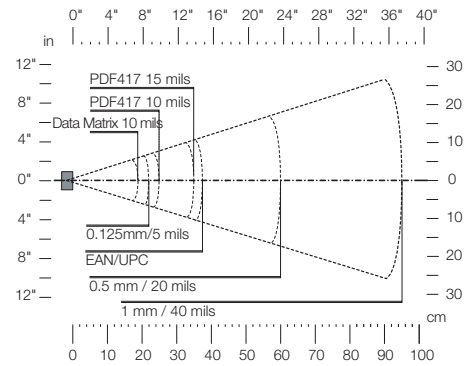
Extended protection available with Honeywell Repair Services – for more information, visit www.honeywellaidc.com

ACCESSORIES

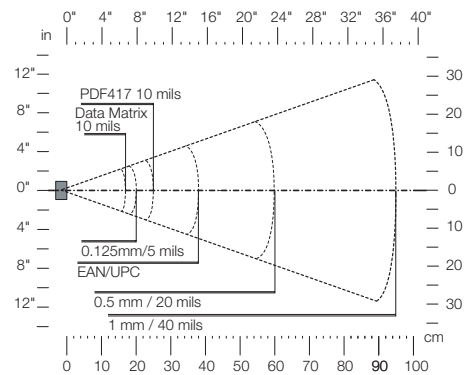
Consult the SG20 Accessory Guide for details.

TYPICAL READING DISTANCES*

SG20xHP



SG20x2D



* 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.

For a complete listing of all compliance approvals and certifications, please visit www.honeywellaidc.com/compliance.
For a complete listing of all supported bar code symbologies, please visit www.honeywellaidc.com/symbologies.

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SG20HC-DS Rev E 08/15
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