



#### **SPEED**

Compact form factor and available quick attach/release system enable rapid, on-demand scanning



#### **SCANNING**

Includes the industry's fastest 2D imaging technology for snappy, omni-directional scanning



### RADIO

Bluetooth wireless easily pairs with iOS°, Android° and Windows Mobile° devices



# RUGGED

Tested to withstand 26 drops to concrete from 2 m (6.5 ft) and rated IP65 for protection from liquid and dust ingress



### **BATTERY**

Field-replaceable battery lasts well beyond a full shift, even in scan-intensive applications

Designed to provide the highly mobile worker with performance scanning in an extremely compact and rugged package, the SF61B integrates with existing data capture workflows and—with embedded Bluetooth wireless—easily pairs with iOS, Android and Windows Mobile smartphones and tablets. With its unique form factor and magnetic quick attach/release system, workers can accomplish their data collection tasks with more efficiency, safety and agility than ever before.

Traditional gun-shaped scanners weren't made for the worker on the go. To address this, we designed the SF61B so that it can be quickly accessed or securely stowed away as needed. A magnetic quick-disconnect system and variety of smart accessories, like wrist straps and belt loops, make it easy to rapidly access the device when needed—and just as quick to securely stow away when unencumbered use of both hands is needed.

Despite its compact size, the SF61B packs the same high performance 2D imagers as our full-size handheld scanners. With unmatched motion tolerance (up to 500 in/sec) and omni-directional reading capability, the SF61B keeps up with your workers on the go by delivering incredible scan speed at any angle. The addition of VESTA, our patented scanning algorithm,

increases read range when scanning the most common 1D codes. Advanced imaging capabilities—such as data parsing, multi-code reading, and image/video capture—are built-in and make SF61B an even more flexible data capture tool.

The robust scanning performance of SF61B is complemented with equally impressive communication and battery performance. An integrated Bluetooth Class 1 radio enables wireless communication at ranges up to 100 m (325 ft), and the field-replaceable lithium-ion battery lasts well beyond a full shift, even in the most scan-intensive applications. The SF61B offers performance characteristics commonly found in full-size scanners, at just a fraction of their size and weight.

Don't mistake the SF61B's small size for fragility. It carries an IP65 rating against liquid and solid particle ingress, making it dust-tight and capable of withstanding direct water spray-downs. Like our SR61 ultra-rugged handheld scanner, the SF61B can survive 26 drops to concrete from a distance of 2 m (6.5 ft) over a wide operating temperature range. This ruggedness, combined with a standard three-year warranty, results in decreased total operating costs over the life of the device.



#### **Physical Characteristics**

Dimensions with Magnet End-Cap (LxWxH): 15.6 cm (6.1 in) x 4.6 cm (1.8 in) x 3.9 cm (1.5 in) Dimensions with Ring End-Cap (LxWxH): 16.0 cm (6.3 in) x 4.6 cm (1.8 in) x 3.9 cm (1.5 in) Weight: 184 gm (6.5 oz)

#### **Electrical Specifications**

Battery: Lithium-ion rechargeable (2,600 mAh)
Battery Life¹: 28,000 scans (1D) or 25,000 scans (2D),
with 1 scan every 4 seconds²
Recharging Time: 3 hours

- 1 Battery life varies depending on ambient temperature, ambient light and battery life.
- 2 Typical number of scans possible without a battery recharge, in a typical office environment (250 lux) at ambient temperature.

#### **Bluetooth Radio**

Type: Bluetooth Class 1 v2.1+EDR

Frequency: 2.4 GHz with Adaptive Frequency Hopping Range: 100 m (325 ft) in open space, 30 m (100 ft) in

typical work environment **Profiles:** HID, SPP

#### Connectivity

Operating System Compatibility: Apple iOS°; Google Android°; Microsoft Windows° XP, Vista, 7, 8

### **Scan Technology**

SF61BHP: Intermec 2D Imager with Laser Aimer (EA30) SF61B2D: Intermec 2D Imager with LED Aimer (EA31) SF61B1D: Intermec Linear Imager (EV14+)

#### **Reading Performance**

**Maximum Code Resolution:** 

1D: 4 mils 2D/HP: 6.6 mils **Print Contrast:** 

20%

Scan Rate: 1D: Up to 200 scans/s

Motion Tolerance:

HP: Up to 500 in/s 2D: Up to 400 in/s

### User Feedback

- Indication LED
- · Configurable Buzzer
- Configurable Vibrator (Haptic Feedback)

## Bar Code Symbologies for 1D Model (SF61B1D)

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 Limited, GS1 DataBar Omnidirectional, GS1 DataBar Stacked, Interleaved 2 of 5, Matrix 2 of 5, MSI, Plessey, Standard 2 of 5, Telepen

### North America

6001 36th Avenue West Everett, Washington 98203 Phone: (425) 348 2600 Fax: (425) 355 9551

### North Latin America

Mexico Phone: (+52) 55 52 41 48 00 Toll Free NOLA: 01800 490 4990

### South Latin America

Brazil Phone: (+55) 11 3711 6770 Fax: (+55) 11 5502 6780

## Europe, Middle East & Africa

Reading, United Kingdom Phone: (+44) 118 923 0800 Fax: (+44) 118 923 0801

### Asia Pacific

Singapore Phone: (+65) 6303 2100 Fax: (+65) 6303 2199

## Bar Code Symbologies for 2D Models (SF61BHP/2D)

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

#### **Environment**

Operating Temperature: -20°C to +50°C (-4°F to +122°F)
Storage Temperature: -40°C to +70°C (-40°F to +158°F)
Charging Temperature: 0°C to 45°C (32°F to 113°F)
Relative Humidity: 5 to 95% non-condensing
Drop: 26 drops from 2m (6.5 ft.) to concrete
Environmental Rating: IP65

## Regulatory Approvals & Compliance

Ambient Light: 0 to 100,000 lux

1016SP01B (SF61B)

**Safety:** cULus Listed, CDRH, CE **EMC:** classB-FCC/ICES, CE

Radio: FCC, IC, CE, IDA (Singapore), IFETEL (Mexico),

A-Tick

Other: BIS, ANATEL, EAC, NTC, SIRIM, MSIP, EU Directives-WEEE, ROHS, Batteries & Accumulators, Packaging & Waste Packaging

# **Standard Warranty**

Three year standard warranty, with extended protection available through <u>Intermec Medallion</u> Support Services.

#### Accessories

View the SF61B Accessory Guide for complete details.

- · Charger, Single-Bay\*
- · Charger, Quad-Bay\*
- · Charger, Vehicle
- End Cap, Ring with Wrist Strap
- End Cap, Magnet with Belt Loop
- FlexDock Cup, Dual-Charge
   FlexBook Cup, Ound Charge
- FlexDock Cup, Quad-Charge
- Holder, Belt Clip\*
- Holder, Chest Strap
   Power Adapter, AC
- Power Adapter, USB
- Wireless Base Station\*
- \* These accessories, originally developed for SF51, are also compatible with SF61B.



Note: This warning applies only to SF61BHP (EA30) models.

# Media Sales

EMEA: (+31) 24 372 3167 USA: (513) 874 5882 http://intermec.custhelp.com

# Sales

Toll Free NA: (800) 934 3163 Toll in NA: (425) 348 2726 Freephone ROW: 00800 4488 8844

# OEM Sales

Phone: (425) 348 2762

# Customer Service & Support

Toll Free NA: (800) 755 5505 Toll in NA: (425) 356 1799 EMEA: intermec.custhelp.com

### Internet

www.intermec.com

### Worldwide Locations

www.intermec.com/locations

### Typical Reading Distances<sup>3</sup> SF61BHP

5. 5.5					
Symbology	Density	Minimum Distance	Maximum Distance		
Code 39	0.1 mm (4 mils)	5 cm (1.97 in)	22 cm (8.66 in)		
	0.125 mm (5 mils)	4 cm (1.57 in)	27 cm (10.63 in)		
	0.5 mm	6 cm	71 cm		
	(20 mils)	(2.36 in)	(27.95 in)		
	1 mm	14 cm	125 cm		
	(40 mils)	(5.51 in)	(49.21 in)		
EAN/UPC	0.33 mm	5 cm	47 cm		
	(13 mils)	(1.97 in)	(1.50 in)		
PDF417	0.25 mm	4 cm	27 cm		
	(10 mils)	(1.57 in)	(10.63 in)		
	0.38	4 cm	36 cm		
	(15 mils)	(1.57 in)	(14.17 in)		
DataMatrix	0.25 mm	6 cm	22 cm		
	(10 mils)	(2.36 in)	(8.66 in)		

#### SF61B2D

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Symbology	Density	Minimum Distance	Maximum Distance
Code 39	0.1 mm	4 cm	19 cm
	(4 mils)	(1.57 in)	(7.48 in)
	0.125 mm	4 cm	24 cm
	(5 mils)	(1.57 in)	(9.45 in)
	0.5 mm	6 cm	67 cm
	(20 mils)	(2.36 in)	(26.38 in)
	1 mm	14 cm	117 cm
	(40 mils)	(5.51 in)	(46.06 in)
EAN/UPC	0.33 mm	5 cm	41 cm
	(13 mils)	(1.97 in)	(16.14 in)
PDF417	0.25 mm	4 cm	25 cm
	(10 mils)	(1.57 in)	(9.84 in)
	0.38 mm	4 cm	36 cm
	(15 mils)	(1.57 in)	(14.17 in)
DataMatrix	0.25 mm	5 cm	19 cm
	(10 mils)	(1.97 in)	(7.48 in)

### SF61B1D

Symbology	Density	Minimum Distance	Maximum Distance
Code 39	0.1 mm (4 mils)	6 cm ( 2.36 in)	23 cm (9.06 in)
	0.125 mm (5 mils)	5 cm (1.97 in)	25.5 cm (10.04 in)
	0.25 mm (10 mils)	5 cm (1.97 in)	32.5 cm (12.80 in)
	1 mm (40 mils)	10 cm (3.94 in)	87.5 cm (34.45 in)
EAN/UPC	0.33 mm (13 mils)	5 cm (1.97 in)	33 cm (12.99 in)

3 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).

