

Handheld Scanner Comparison Guide

	Rugged Duty					Durable General Duty			General Duty			Light Duty			
															
Product Family	SR61					SF61B			SR31T			SG20			SG10T
Product Models	SR61xXR	SR61xHP	SR61xHDDPM	SR61x1D	SR61xL	SF61BHP	SF61B2D	SF61B1D	SR31THP	SR31T2D	SR31T1D	SG20xHP	SG20x2D	SG20x1D	SG10T1D
Product Description	Rugged Scanner with Near/Far Range Area Imager	Rugged Scanner with High Performance Area Imager	Rugged Scanner with High Density Direct Part Mark Area Imager	Rugged Scanner with Linear Imager	Rugged Scanner with Laser Scanner	Rugged Mobility Scanner with High Performance 2D Imager	Rugged Mobility Scanner with Laser-Free, High Performance 2D Imager	Rugged Mobility Scanner with Linear Imager	Durable Scanner with High Performance 2D Imager	Durable Scanner with Laser-Free, High Performance 2D Imager	Durable Scanner with Linear Imager	General Duty Scanner with High Performance 2D Imager	General Duty Scanner with Laser-Free, High Performance 2D Imager	General Duty Scanner with Linear Imager	Light Duty Scanner with Linear Imager
Scan Engine	EX25c	EA30	EA30HD	EV10	EL20	EA30	EA31	EV14+	EA30	EA31	EV14+	EA30	EA31	EV Series	Custom
Aimer Technology	Laser	Laser	Laser	LED	Laser	Laser	LED	LED	Laser	LED	LED	Laser	LED	LED	LED
Aimer Pattern															
Connectivity	Tethered or Wireless					Wireless			Tethered			Tethered or Wireless			Tethered
Read Range*	Up to 15 m (50 ft)	5.5 - 93.6 cm (2.2 - 36.9 in)	Varies by Mark and Substrate	4 - 49 cm (1.6 - 19.3 in)	4.5 - 150 cm (1.8 - 59.1 in)	4 - 125 cm (1.6 - 49.2 in)	4 - 117 cm (1.6 - 46.0 in)	5 - 87 cm (2.0 - 34.5 in)	3 - 124 cm (1.2 - 48.8 in)	3 - 116 cm (1.2 - 45.7 in)	3.2 - 86 cm (1.2 - 33.9 in)	3 - 95 cm (1.2 - 37.4 in)	2 - 95 cm (0.8 - 37.4 in)	3 - 46 cm (1.2 - 18.1 in)	0 - 12 cm (0 - 4.7 in)
Symbologies Supported	1D, Stacked, 2D	1D, Stacked, 2D	1D, Stacked, 2D	1D	1D, Stacked	1D, Stacked, 2D	1D, Stacked, 2D	1D	1D, Stacked, 2D	1D, Stacked, 2D	1D	1D, Stacked, 2D	1D, Stacked, 2D	1D	1D
Vesta Enhanced Decoding	•	•	•			•	•	•	•	•	•	•	•	•	
Healthcare Model							•			•			•		
Environmental Protection	IP54					IP65			IP53			IP30			IP30
Drop Specification (26 Drops to Concrete)	1.98 m (6.5 ft)					1.98 m (6.5 ft)			1.83 m (6.0 ft)			1.2 m (4 ft)			1 m (3 ft)
Features and Benefits	<ul style="list-style-type: none"> High Performing: Class-leading bar code performance that reads damaged and poorly printed 1D and 2D barcodes at up to 500 in/s motion tolerance (SR61xHP) and at ranges up to 15 m (50 ft) (SR61xXR) Enhanced with VESTA: Intermec's patented algorithm (VESTA) increases read range of Code 39 and EAN/UPC marks by an average of 60 percent (compared to previous-generation SR61THP and SR61TXR scanners) Extreme Ruggedness: Electronics designed to withstand shocks from 1.98 m (6.5 ft), multiple drops to concrete, hot and cold temperature extremes, constant forklift vibration and windblown dust and rain Ergonomic: 2D imagers feature omni-directional bar code reading, resulting in improved operator efficiency Multipurpose: 2D imaging technology also allows for image capture and real time video Wireless Option: Bluetooth Class 1 radio offers up to 100 m (328 ft) of range, with better-than-full-shift battery life and plug-and-play compatibility with Intermec SD61 wireless base station Future-Proofed: 2D imager models easily read 1D, stacked and 2D codes Specialized Models Available: A high-density DPM model is a cost-effective option for reading bar codes that have been dot peened or laser etched directly onto parts, and a non-incendive model (rated ATEX Class 2 Division 1) is ideal for hazardous environments 					<ul style="list-style-type: none"> Agility: Compact form factor and available quick attach/release mechanism enables rapid, on-demand scanning High Performance: Class-leading scanning performance that reads damaged and poorly printed 1D and 2D barcodes omni-directionally Wireless: Bluetooth Class 1 radio easily pairs with iOS, Android, and Windows Mobile devices Extremely Rugged: Tested to withstand 26 drops to concrete from 1.98 m (6.5 ft) and rated IP65 for protection from liquid and dust ingress Battery Endurance: Field-replaceable battery lasts well beyond a full shift, even in scan-intensive applications Healthcare Optimized: Available in a unique healthcare model, featuring a disinfectant ready housing that protects against the harmful effects of repeated chemical wipe-downs 			<ul style="list-style-type: none"> Redefining the "Mid-Range" Scanner: Class-leading performance, durability and simplicity High Performance: Class-leading scanning performance that reads damaged and poorly printed 1D and 2D barcodes omni-directionally Durable: Tested to withstand 26 drops to concrete from 1.83 m (6 ft) and rated IP53 for liquid and dust ingress protection Easy to Use: Simple to install, with a plug-and-play universal cabling system Adaptable: Can be customized to your environment, with adjustable LED color, beeper tone and vibration setting Ergonomic: Time-tested design is comfortable to hold for extended periods Healthcare Optimized: Available in a unique healthcare model, featuring a disinfectant ready housing that protects against the harmful effects of repeated chemical wipe-downs 			<ul style="list-style-type: none"> High Performing: Class-leading bar code performance that reads damaged and poorly printed 1D and 2D barcodes Enhanced with VESTA: Intermec's patented algorithm (VESTA) increases read range of Code 39 and EAN/UPC marks by an average of 60 percent Stylish: Unique, ergonomic design maximizes user comfort and a large LED light pipe provides effective operational feedback and it can even be customized to match the decor of the user's environment Choice: Varied configurations, such as 1D or 2D scan engines, tethered or Bluetooth wireless, and even an option for a complete laser-free design (SG20x2D) perfect for customer-facing applications Wireless Option: Bluetooth Class 1 radio offers up to 100 m (328 ft) of range, with better-than-full-shift battery life, and pairs easily with iOS and Android devices Accessorize: A wide range of multi-purpose accessories, such as scan stands and mounts for hands-free presentation mode scanning 			<ul style="list-style-type: none"> Simple: Straightforward USB keyboard emulation or keyboard wedge kits enable plug-and-play installation Affordable: Cables are always included and no extra accessories are required Reliable: Proven linear imaging technology delivers solid-state bar code reading Investment Protection: Backed by a three-year, no-hassle warranty
Example Applications	<ul style="list-style-type: none"> Distribution Center: Pick-up and put-away; cross-docking; shipping and receiving Forklift applications Manufacturing: Work in process, quality check Inventory Management Asset Tracking Maintenance and Repair 					<ul style="list-style-type: none"> Distribution Center: Pick-up and put-away, cross-docking, shipping and receiving, inventory Transportation and Logistics: In-premise package sortation Field Service: A powerful scanning companion to a smartphone or enterprise tablet device Retail: Mobile point-of-sale, inventory checks, customer service Healthcare: Patient tracking, point of care, pharmacy, laboratory 			<ul style="list-style-type: none"> Retail: Point-of-sale, back office, inventory Distribution Center: Shipping and receiving, packaging Light Manufacturing: Work in process, electronics assembly, quality check Healthcare: Patient tracking, pharmacy, laboratory 			<ul style="list-style-type: none"> General Duty: Countertop scanning across all verticals Retail: Point-of-sale, back office, inventory Office: Asset tracking, document imaging, scanning Healthcare: Patient tracking, point of care, pharmacy, laboratory 			<ul style="list-style-type: none"> Light Duty: Countertop scanning across all verticals Retail: Point-of-sale, back office, inventory Office: Asset tracking, document imaging, scanning Library: Checkout

* Read range varies by bar code size, resolution and symbology.