

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 rainErgonomic: 2D imagers feature omni-directional bar code reading, resulting in improved operator efficiencyMultipurpose: 2D imaging technology also allows for image capture and real time videoWireless 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 stationFuture-Proofed: 2D imager models easily read 1D, stacked and 2D codesSpecialized 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 scanningHigh Performance: Class-leading scanning performance that reads damaged and poorly printed 1D and 2D barcodes omni-directionallyWireless: Bluetooth Class 1 radio easily pairs with iOS, Android, and Windows Mobile devicesExtremely Rugged: Tested to withstand 26 drops to concrete from 1.98 m (6.5 ft) and rated IP65 for protection from liquid and dust ingressBattery Endurance: Field-replaceable battery lasts well beyond a full shift, even in scan-intensive applicationsHealthcare 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 simplicityHigh Performance: Class-leading scanning performance that reads damaged and poorly printed 1D and 2D barcodes omni-directionallyDurable: Tested to withstand 26 drops to concrete from 1.83 m (6 ft) and rated IP53 for liquid and dust ingress protectionEasy to Use: Simple to install, with a plug-and-play universal cabling systemAdaptable: Can be customized to your environment, with adjustable LED color, beeper tone and vibration settingErgonomic: Time-tested design is comfortable to hold for extended periodsHealthcare 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 barcodesEnhanced with VESTA: Intermec’s patented algorithm (VESTA) increases read range of Code 39 and EAN/UPC marks by an average of 60 percentStylish: 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 environmentChoice: 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 applicationsWireless 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 devicesAccessorize: 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 installationAffordable: Cables are always included and no extra accessories are requiredReliable: Proven linear imaging technology delivers solid-state bar code readingInvestment 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 receivingForklift applicationsManufacturing: Work in process, quality checkInventory ManagementAsset TrackingMaintenance and Repair					<ul style="list-style-type: none">Distribution Center: Pick-up and put-away, cross-docking, shipping and receiving, inventoryTransportation and Logistics: In-premise package sortationField Service: A powerful scanning companion to a smartphone or enterprise tablet deviceRetail: Mobile point-of-sale, inventory checks, customer serviceHealthcare: Patient tracking, point of care, pharmacy, laboratory			<ul style="list-style-type: none">Retail: Point-of-sale, back office, inventoryDistribution Center: Shipping and receiving, packagingLight Manufacturing: Work in process, electronics assembly, quality checkHealthcare: Patient tracking, pharmacy, laboratory			<ul style="list-style-type: none">General Duty: Countertop scanning across all verticalsRetail: Point-of-sale, back office, inventoryOffice: Asset tracking, document imaging, scanningHealthcare: Patient tracking, point of care, pharmacy, laboratory			<ul style="list-style-type: none">Light Duty: Countertop scanning across all verticalsRetail: Point-of-sale, back office, inventoryOffice: Asset tracking, document imaging, scanningLibrary: Checkout		



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