



Spectra Vista Corporation

i SERIES FIELD PORTABLE SPECTRORADIOMETERS



INSTRUMENT MODEL	SVC HR-512i	SVC HR-640i	SVC HR-768si	SVC HR-768i	SVC HR-1024i	SVC XHR-1024i
Spectral Range	350-1050 nm	350-2500 nm	350-1890 nm	350-2500 nm	350-2500 nm	350-2500 nm
Spectral Resolution (FWHM)	3.2 @ 700 nm	3.3 @ 700 nm	3.3 @ 700 nm	3.3 @ 700 nm	3.3 @ 700 nm	2.8 @ 700 nm
(nm)		30 @ 1500 nm 28 @ 2100 nm	9.5 @ 1500 nm	16 @ 1500 nm 14 @ 2100 nm	9.5 @ 1500 nm 6.5 @ 2100 nm	8.0 @ 1500 nm 6.0 @ 2100 nm
Bandwidth	1.5 @ 700 nm	1.5 @ 700 nm	1.5 @ 700 nm	1.5 @ 700 nm	1.5 @ 700 nm	1.5 @ 700 nm
(nm)		14 @ 1500 nm 10 @ 2100 nm	3.8 @ 1500 nm	7.6 @ 1500nm 5.0 @ 2100 nm	3.8 @ 1500 nm 2.5 @ 2100 nm	3.8 @ 1500 nm 2.5 @ 2100 nm
Integration Times	10 ms & up	1 ms & up	1 ms & up	1 ms & up	1 ms & up	1 ms & up
VNIR Si Array	512ch 350-1050 nm	512ch 350-1000 nm	512ch 350-1000 nm	512ch 350-1000 nm	512ch 350-1000 nm	512ch 350-1000 nm
SWIR 1 InGaAs Array		64ch 1000-1890 nm	256ch 1000-1890 nm	128ch 1000-1890 nm	256ch 1000-1890 nm	256ch 1000-1890 nm
SWIR 2 Ext InGaAs Array		64ch 1890-2500 nm		128ch 1890-2500 nm	256ch 1890-2500 nm	256ch 1890-2500 nm
Standard Foreoptic	4°	4°	4°	4°	4°	4°
Optional Foreoptics	8°	2°, 8° & 14°	2°, 8° & 14°	2°, 8° & 14°	2°, 8° & 14°	2°, 8° & 14°
Fiber Optic Light Guide	Various Lengths (Field Replaceable)	Various Lengths (Field Replaceable)	Various Lengths (Field Replaceable)	Various Lengths (Field Replaceable)	Various Lengths (Field Replaceable)	Various Lengths (Field Replaceable)
Instrument Weight	5.2 lb (2.4 kg)	8.4 lb (3.8 kg)	7.9 lb (3.6 kg)	8.4 lb (3.8 kg)	8.5 lb (3.9 kg)	8.5 lb (3.9 kg)
Battery Weight	1.5 lb (0.7 kg)	1.5 lb (0.7 kg)	1.5 lb (0.7 kg)	1.5 lb (0.7 kg)	1.5 lb (0.7 kg)	1.5 lb (0.7 kg)
Stand Alone	Standard	Standard	Standard	Standard	Standard	Standard
Internal Camera	Standard	Standard	Standard	Standard	Standard	Standard
LCD Graphic Display	Standard	Standard	Standard	Standard	Standard	Standard
Second Bluetooth	Standard	Standard	Standard	Standard	Standard	Standard
Rugged PDA or Android phone	Optional	Supplied	Supplied	Supplied	Supplied	Supplied
Noise Equivalent Radiance	$\leq 0.8 \times 10^{-9}$ @ 700 nm	$\leq 0.8 \times 10^{-9}$ @ 700 nm	$\leq 0.8 \times 10^{-9}$ @ 700 nm	$\leq 0.8 \times 10^{-9}$ @700 nm	$\leq 0.8 \times 10^{-9}$ @700 nm	$\leq 0.8 \times 10^{-9}$ @700 nm
(w/cm2/nm/sr)		$\leq 1.0 \times 10^{-9}$ @1500 nm $\leq 1.0 \times 10^{-9}$ @2100 nm	$\leq 1.2 \times 10^{-9}$ @1500 nm	$\leq 1.2 \times 10^{-9}$ @1500 nm $\leq 1.2 \times 10^{-9}$ @2100 nm	$\leq 1.2 \times 10^{-9}$ @1500 nm $\leq 1.2 \times 10^{-9}$ @2100nm	$\leq 1.2 \times 10^{-9}$ @1500 nm $\leq 1.6 \times 10^{-9}$ @2100nm
Notebook Computer Software	Supplied	Supplied	Supplied	Supplied	Supplied	Supplied

Spectra Vista Corporation 29 Firemen's Way Poughkeepsie, NY 12603

Ph: 845-471-7007 Fax: 845-471-7020 e-mail: svcinfo@spectravista.com www.spectravista.com