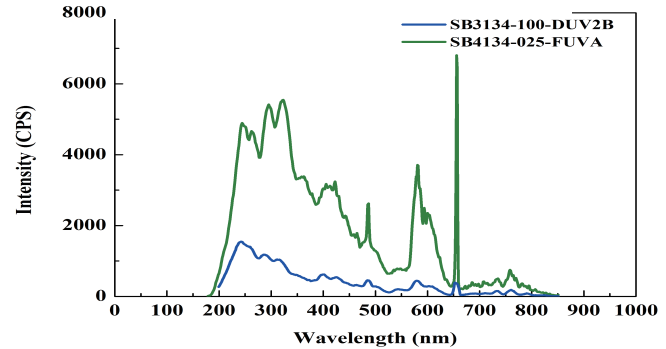
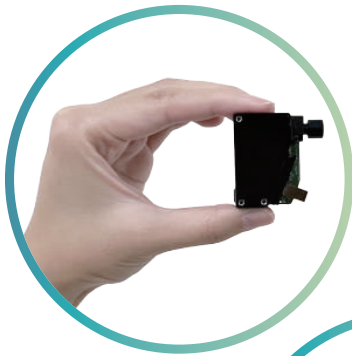


SilverBullet™ Series

Micro UV-VIS-NIR Spectrometer
Water Quality/ Color Analysis, Handheld Applications



SB-series Wavelength Response with Deuterium Lamp

Grating groove (line/mm)	Wavelength Range(nm)	Resolution(nm) (slit 50um)	Resolution(nm) (slit 25um)
300	300~1100	10.8	6.5
400	250~1070	7.8	5
500	200~850	6.2	4.2
600	180~700	5.8	3.5
700	180~600	5	3
768	180~550	4.5	2.7
900	180~470	3.9	2.3
1000	180~430	3.5	2.1
1200	180~350	2.9	1.7

- New concave mirror C-T optical design, 1024-px CMOS Sensor, High Speed CPU
- Wavelength range configurable within 180 nm to 1100 nm
- Resolution 1.7 nm ~ 6.5 nm (FWHM); Slit Width 25 μ m (see table)

Model Name	SB3134/SB4134	SB4130
Wavelength Range	180 nm ~ 1100 nm configurable	
Slit	25 μ m / 50 μ m	
Resolution	1.7 nm ~ 10.8 nm (depending on the combination of various gratings)	
Sensor	1024-pixel CMOS	
SNR	350	
Dynamic Range	5000	
Dark Noise	12.5	
Exposure Time	6 μ s (Sensor Clock rate 10 MHz) ~ 24 sec. 21 μ s (Sensor Clock rate 2.5 MHz) ~ 24 sec.	
Dimension	40(L) x 36.3(W) x 25.1(H) mm	49(L) x 43(W) x 28.5(H) mm
Fiber Input Interface	SMA905	
Data Transfer Interface	Micro USB / UART	