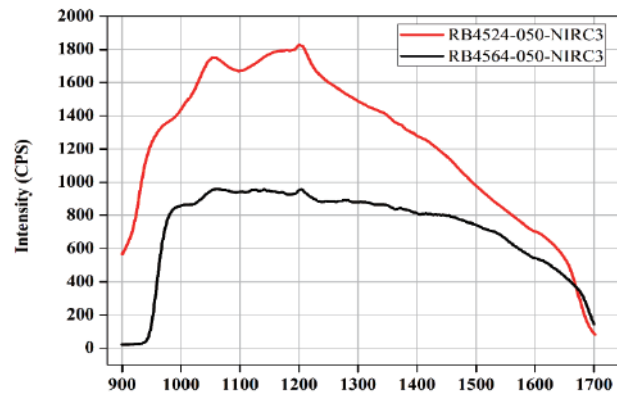


RedBullet™ Series

Micro NIR Spectrometer
Soil / Food / Textile Analysis, NIR Handheld Applications



RB Series Wavelength Response with Halogen Lamp

- New concave mirror Czerny-Turner optical design
- Wavelength range 900 nm ~ 1700 nm Resolution
- 10~16nm (Slit : 50 μm)
- 128- & 256-pixel InGaAs Sensor
- High Speed CPU

Model Name		RB4524	RB4564
Wavelength Range		900~1700nm	
Slit		50 μm	25 μm
Resolution		13.5 nm (Typical value)	8.5 nm (Typical value)
Sensor		128-pixel InGaAs	256-pixel InGaAs
SNR	High gain	2500	3000
	Low gain	6500	6700
Dynamic Range	High gain	6500	7300
	Low gain	8200	9300
Dark Noise	High gain	10	9
	Low gain	8	7
Exposure Time		6 μs ~ 1 sec.	
Dimension		51.4(L) x 36.4(W) x 29(H) mm	
Fiber Input Interface		SMA905	
Data Transfer Interface		Micro USB / UART	