

# Near-infrared Handheld Spectrometer (PocketHawk-NIR Series)

The Smallest High Sensitivity and High SNR Spectrometer --- PH-NIR Series



- Compact - Only 65 x 65 x 29.8 mm<sup>3</sup>
- Broad Spectral Range - 900~1700nm
- High Sensitivity
- Attractive Cost to Implement Ultra-small & Smart Spectrometer Systems
- Supports Continuous High-Speed Exposures
- Low Stray Light - 0.01%  
(Proprietary Stray Light Calibration Algorithm )
- On-board CPU Supporting Optical and Color Parameters Calculation

## Specification

Type		PH-NIR series	
Model		PH2524	PH2534/PH2564
Sensor		128 pixel InGaAs	256 pixel InGaAs
Wavelength Range		900-1700nm	
Slit (μm)		50 、 100 、 200	
Resolution		~16/~22/~30 nm average : 10/18/NA	~8/~11/~15 nm average : 5/11/NA
SNR	High Gain	2000	
	Low Gain	6000	
Dark Noise	High Gain	15	
	Low Gain	na. (<15)	
Dynamic Range	High Gain	6250	
	Low Gain	7200	
Stray Light		<0.2%	
Exposure Time		50μs ~ 15sec	
Size		65 x 65 x 29.8 mm <sup>3</sup>	