

PocketHawk™ Series

PH Series -- Compact UV/Vis/NIR Spectrometer

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

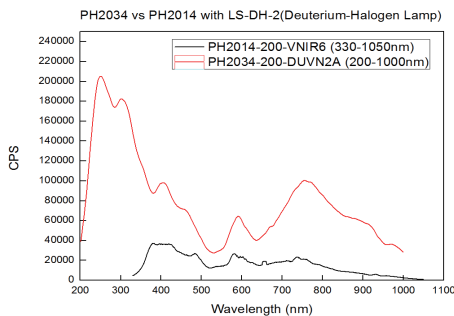


PocketHawk:

- Compact and portable: 65 x 65 x 29.8 mm³.
- Wavelength ranges: 330-1050; 400-1000; 200-1050 nm.
- High sensitivity & low stray light.
- Attractive cost for ultra-small & smart systems.
- Continuous high-speed exposure mode.
- Proprietary stray light calibration algorithm (0.01%).
- On-board CPU supports optical and color parameter calculation.

PocketHawk-NIR:

- Compact and portable: 65 x 65 x 29.8 mm³.
- Wavelength ranges: 900-1650; 950-1700 nm.
- High sensitivity & low stray light.
- Attractive cost for ultra-small & smart systems.
- Continuous high-speed exposure mode.
- Proprietary stray light calibration algorithm (0.01%).
- On-board CPU supports optical and color parameter calculation.



Specification

Type	PH Series			PH-NIR series	
Model	PH2014	PH1034/2034	PH4134	PH2524	PH2534
Sensor	2048-pixel	512-pixel	1024-pixel	128-pixel	256-pixel
Wavelength Range	330-1050 nm	200-1050 nm	400-1000 nm	900-1700 nm	
Slit (µm)	10 / 25 / 50 / 100 / 200			50 / 100	
Resolution (nm)	~2.2 / ~2.5 / ~3.1 / ~6 / ~12	NA / NA / ~10 / ~16 / ~34	~1.85 / ~2.45 / ~3.8 / ~7.4 / ~15	14 / 18	6 / 9
SNR	200	330	430	High Gain	2000
				Low Gain	6000
Dynamic Range	2000	5650	4500	High Gain	6250
				Low Gain	6554
Stray Light	<0.2%			<0.2%	
Exposure Time	1.5 ms	0.1 ms	21 µs	100 µs	
Size (W) x (L) x (H)	65 x 65 x 29.8 mm ³				