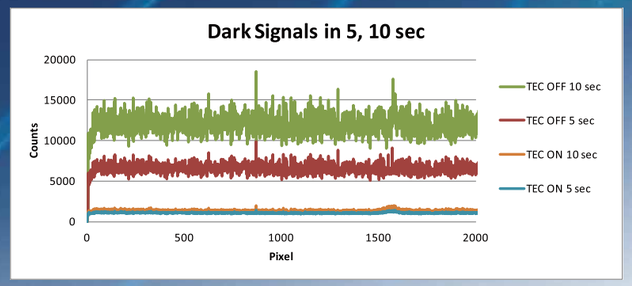
台灣超微光學
OtO Photonics

Thermoelectric Cooling Model
EagleEye™ Series

For Raman System • Thin-Film Measurement
LED Measurement



EagleEye™ Series

- Back-thinned TEC sensor, high sensitivity , high SNR(=500) & extremely low thermal noise
- Default: 0℃ at ambient of 25℃
- Proprietary algorithms of stray light calibration (only 0.01% after calibration)

EagleEye™ -051 (EE2051)

- NIR (800~1100nm) enhanced back-thinned TEC sensor
- Best wavelength range for applications: 500~1100nm
- Best choice for Raman measurement
- Raman spectral range can be up to 3500 cm^{-1} and spectral resolution can reach to 5 cm^{-1}

EagleEye™ -061/063 (EE2061&EE2063)
EagleEye™ -093 (EE2093)

- UV (180~400nm) enhanced back-thinned TEC sensor
- Best wavelength range for applications: 180~1100nm
- EagleEye™-093& EagleEye™-061/063 provide short integration time of 1.5ms and 5ms respectively!
- Best choice for ellipsometer, thin-film measurement & high-end LED test

http://www.otophotonics.com/english/

Outstanding Sensitivity with Thermoelectric Cooler Design

Specifications

Model	EE2051	EE2061	EE2063	EE2093
CCD Sensor	NIR Enhanced Back-thinned TEC Sensor	UV Enhanced Back-thinned TEC Sensor		UV Enhanced Back-thinned TEC Sensor with Fast Exposures
CCD Cooling	0℃ at Ambient of 25℃			
Selectable Wavelength Range	500~1100nm	180~1100nm		
Resolution	0.4nm~10nm	0.2nm~10nm		
Shutter	Optional			
SNR	500			
Dynamic Range	5000			
Integration Time	5 ms ~ 65s			1.5 ms ~ 65s
Power	A330mA@5V (USB); 400mA@5V (DC Jack for TEC)			
Power Up Time	5 sec			
On-Board Computation	V			
Continuous High-Speed Exposures	V			
Product Photo				
Size	130x 86x 32 mm		130 x 96 x 39.5 mm	

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