

Compact and highly efficient spectrometer for SD-OCT



Ibsen's EAGLE OCT-S is a compact, robust, and highly efficient spectrometer, suited for OEM integration into Spectral Domain OCT instruments around 840 nm.

The EAGLE OCT-S EOS-121 comes with a 2048 pixel camera with tall pixels and a 70 kHz frame rate as standard.

Furthermore, if the specifications do not match your requirements, Ibsen can customize an OEM spectrometer to meet your exact needs.



EAGLE OCT-S

810 – 900 nm OEM Spectrometer

EAGLE OCT-S 810 – 900 nm OEM Spectrometer

Key Benefits



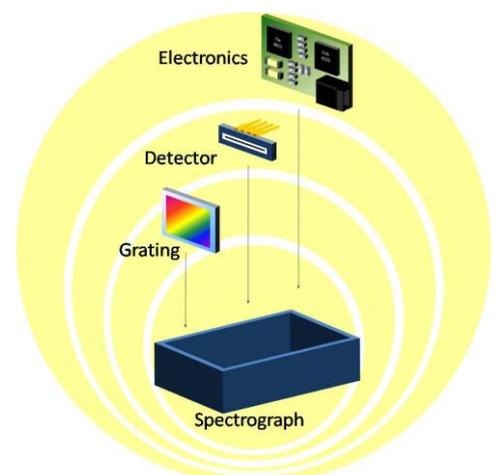
- **High optical throughput**
- **Compact size**
- **Robust and athermal design**
- **Customizable for multiple wavelength ranges and camera options**

Specifications

Parameter	EOS-121	Comments
Wavelength range	810 – 900 nm	Other ranges upon request
Numerical aperture	0.13	
Typical resolution	0.05 nm	
Camera	Teledyne E2V OctoPlus	
Number of pixels	2048	
Pixel size	10 μm x 200 μm	
Interface	CameraLink	
Operating temperature range. Non-condensing	+5 to +40 Degree C	
Temperature drift	<0.002 nm/Degree C	
Resolution change vs. Temperature	<5 %	
Dimensions	113 mm x 228 mm x 60 mm	Including camera

Modular Approach

Ibsen's OEM spectrometers are based on a modular design, whereby customers can choose to buy a complete spectrometer, a spectrograph or simply a spectrometer grating, depending on the approach that they prefer. Furthermore, our spectrometers can be fitted to almost any detector and electronics.



Specifications are subject to change without notice.