

High throughput and robust athermal design
Ideal for industrial grade applications

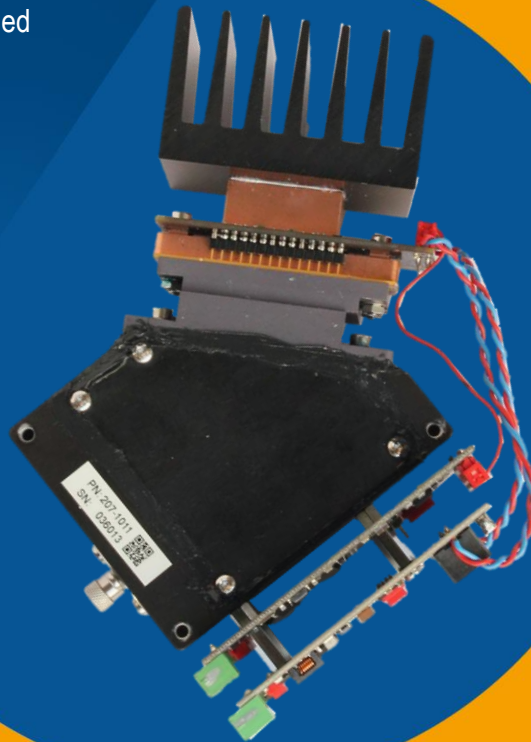
l b s e n 
p h o t o n i c s

Ibsen's ROCK XNIR spectrometers offer the market's highest throughput in a robust and athermal module.

These benefits are accomplished through our highly efficient in-house manufactured fused silica transmission gratings and extensive opto-mechanical design experiences.

The ROCK XNIR spectrometers are supplied with read-out electronics and temperature control.

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

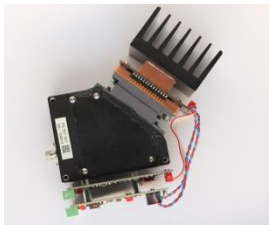


ROCK XNIR

1100 – 2100 nm OEM Spectrometer

ROCK XNIR 1100 – 2100 nm OEM Spectrometer

Key Benefits



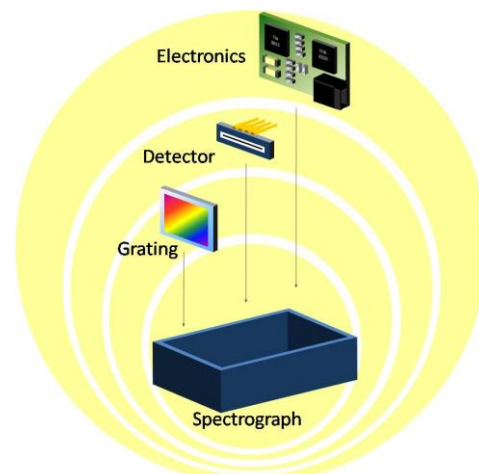
- **High optical throughput**
- **Cooled detector and control electronics**
- **Robust and athermal design**

Specifications

Parameter	RSX-465
Wavelength range	1100 – 2100 nm
Numerical aperture	0.22
Typical resolution	8.7 nm/FWHM
Stray light	<0.03%
Detector	Hamamatsu G9206-256 TE cooled InGaAs
S/N (Saturation/RMS)	2,500:1
Dynamic range (Saturation/Dark)	6,000:1
Interface	USB - 2.0/RS-232
Operating temperature range. Non-condensing	-10 to +45 Degree C
Temperature drift	<0.02 nm/Degree C
Dimensions	110 mm x 105 mm x 45 mm

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.