



PRODUCT DATA SHEET

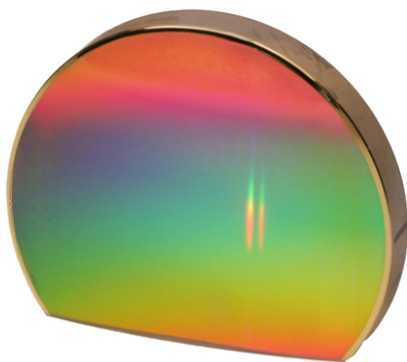
Hyperspec[®] SWIR Hyperspectral Imaging Sensor



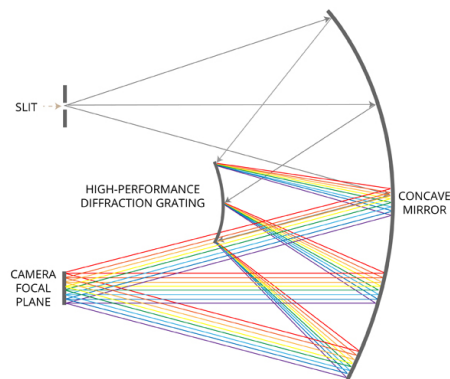
- Spectral Bands: 267
- Spatial Bands: 384
- Max Frame Rate: 450 Hz
- Aberration-corrected imaging
- All-reflective concentric optical design
- Collect full spectrum for every pixel in FOV

Hyperspec[®] SWIR

Wavelength Range (nm)	900-2500
Aperture	F/2.0
Entrance Slit Width	25 μm
Dispersion/Pixel (nm/pixel)	6
FWHM spectral resolution	6.3 nm
Slit Length	12 mm
Spectral Bands	267
Spatial Bands	384
Smile - Aberration-corrected	Yes
Keystone - Aberration-corrected	Yes
Detector	Stirling-cooled MCT
Max. Frame Rate (Hz)	450
Pixel Pitch	24 μm
Read A/D	16-Bit
Camera Control Interface	Base CameraLink and RS232
Weight (lb / kg)	9.6 / 4.4
Max. Power (W)	14.4



Headwall-manufactured diffraction gratings manage reflected light with exceptional precision and resolution.



Headwall's concentric design layout using mirrors and gratings provides aberration-free imaging and a wide field-of-view.



Telecentric lens provides a perfectly matched exit pupil that eliminates unwanted image artifacts.

January 2018

© 2018 Headwall Photonics, Inc. Information in this document is subject to change without notice. Headwall Photonics, Inc. reserves the right to change or improve its products and specifications and to make changes in content without obligation to notify any person or organization of such changes or improvements. The Hyperspec[®] name (and all its derivations) is a registered Trademark of Headwall Photonics, Inc. *US and/or EU Export Restrictions may apply to this Dual Use Product.