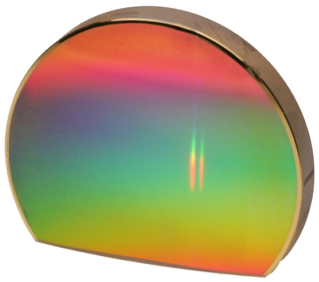
PRODUCT DATA SHEET

Hyperspec® Co-Aligned VNIR-SWIR Sensor

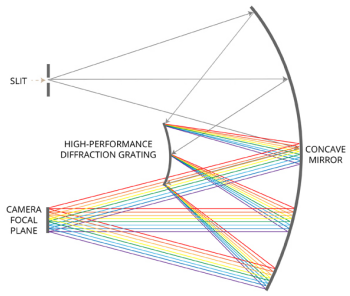
- Wavelength range: 400-2500nm
- Dual VNIR/SWIR Sensors with Co-Aligned Pixels
- 271 & 267 Spectral Pixels (VNIR/SWIR)
- 640 Spatial Pixels
- Frame rates: 330 VNIR; >100 SWIR
- Size: 10.7” x 8.2” x 6.5”; weight: 6.25 lb.
- Suitable for airborne & ground use
- High spectral & spatial resolution
- Wide field of view
- All-reflective, concentric optical design

PRODUCT DATA SHEET

Dual-Sensor VNIR-SWIR Package		
Spectral Range	**VNIR (400-1000nm)**	**SWIR (900-2500nm)**
Spectrograph Design	High throughput aberration-corrected concentric imager	
Spectral pixels	271	267
Detector Pixel Pitch (microns)	7.4	15
Dispersion per pixel (nm/pixel)	2.2	6
FWHM Slit Image (nm)	6	8
Spatial pixels	640	
ƒ/#	2.5	
Slit length (mm)	6	10.4
Slit width (microns)	20	
Camera Technology	CMOS	Stirling-cooled MCT
Max Frame Rate (Hz)	330	>100
Bit Depth	12	14
Size	approx. 10.7" x 8.2" x 6.5" (272mm x 208mm x 165mm)	
Weight (lb / kg)	6.25 / 2.83	



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.

March 2017

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