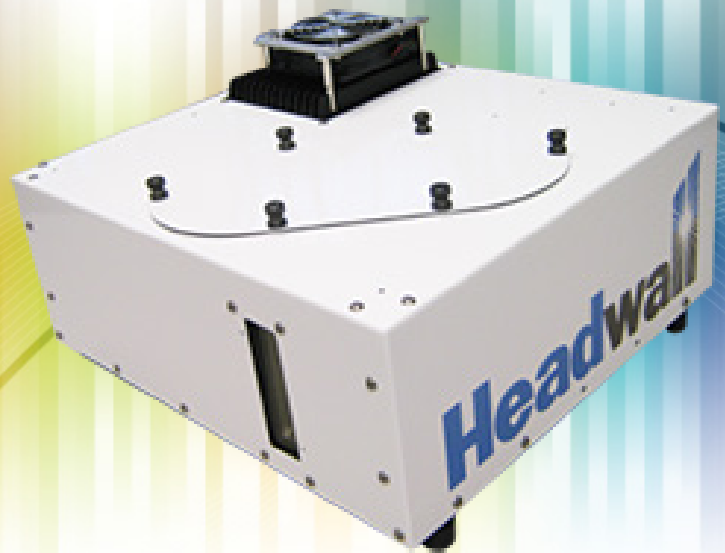




## PRODUCT DATA SHEET



### Hyperspec<sup>®</sup> Co-Registered VNIR-SWIR Sensor

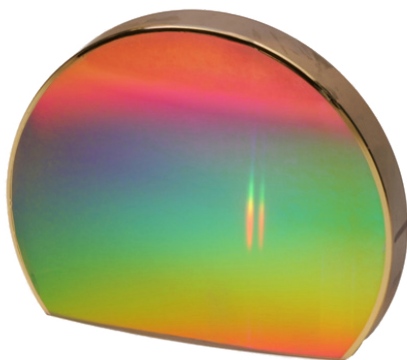
- Wavelength range: 400-2500nm
- 384 or 640 co-registered pixels in a single data cube!
- Integrated data system
- Suitable for airborne & ground use
- High spectral & spatial resolution
- Wide field of view
- Aberration-corrected, high SNR
- All-reflective, concentric optical design
- Size in mm: 363mm x 379mm x 198mm
- Weight in kg: 11.3

# PRODUCT DATA SHEET

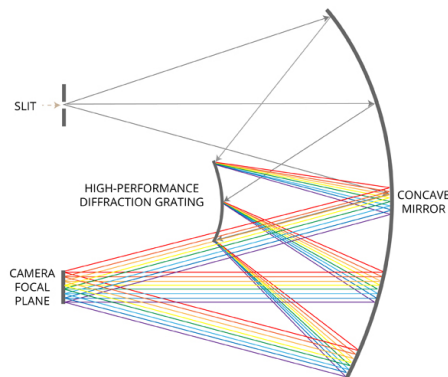
## Hyperspec<sup>®</sup> VNIR/SWIR with Co-Registered Pixels

	VNIR (400-1000nm)	SWIR (900-2500nm)
Sensor Design	aberration-corrected concentric imager	
Wavelength range (nm)	400 - 2500nm	
Spatial pixels	1600 (VNIR)	384 or 640 (SWIR)
Co-registered spatial pixels	384 or 640 (VNIR / SWIR)	
Spectral pixels	384	166 for 384; 266 for 640
Entrance Slit Width (microns)	20	25
FWHM Slit Image (nm)	5	10 for 384; 6 for 640
F/#	2.5	
Angular FOV	26° (23mm FL lens)	20.9° for 384; 21.7° for 640 (25mm FL lens)
Focal Plane Array	Scientific-CMOS	Stirling-cooled MCT
Bit Depth	16-bit	
Maximum Frame Rate (Hz)	193.4*	
Power (W)	111	
Size (in/mm)	approx. 14.3" x 14.9" x 7.8" (364mm x 379mm x 198mm)	
Weight (lbs./kg)	25 lbs. (11.3 kg)	
Integrated data system	YES	
Data transfer	Gig-E or USB 3.0	

\* System throughput is a function of FPA frame rate, binning, and data storage rates.



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

### contact information