Headwall

PRODUCT DATA SHEET

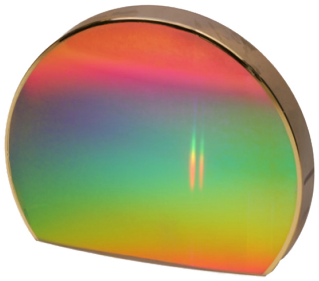
Hyperspec® VNIR Hyperspectral Imaging Sensor

- Spectral Bands: 775, 837, or 923
- Spatial Bands: 1004 or 1600
- Max Frame Rate: 70, 90, or 160
- Aberration-corrected imaging
- All-reflective concentric optical design
- Collect full spectrum for every pixel in FOV

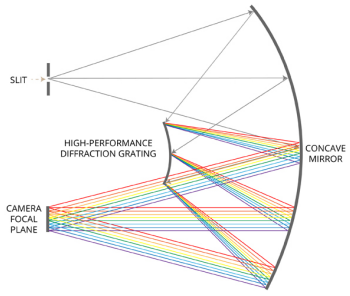
PRODUCT DATA SHEET

Hyperspec® VNIR

Model	N Series	A Series	E Series
Wavelength Range (nm)	380-1000		
Aperture	F/2.0		
Entrance Slit Width	25 µm		
Dispersion/Pixel (nm/pixel)	0.8	0.74	0.65
FWHM spectral resolution	2.5 nm		
Slit Length	12 mm		
Spectral Bands	775	837	923
Spatial Bands	1004	1004	1600
Smile - Aberration-corrected	Yes		
Keystone - Aberration-corrected	Yes		
FPA Detector	EMCCD	CCD	sCMOS
Max. Frame Rate (Hz)	70	90	160
Pixel Pitch (microns)	8.0	7.4	6.5
Camera Control Interface	Base CameraLink		Full Cameralink, 80-bit
Weight (lb / kg)	8.2 / 3.7	6.1 / 2.8	8.5 / 3.9
Max. Power (W)	18	6.6	20



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.

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