



PRODUCT DATA SHEET

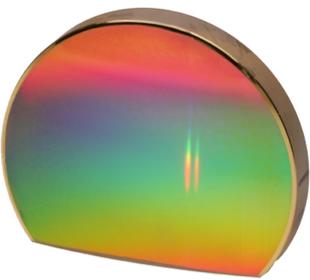
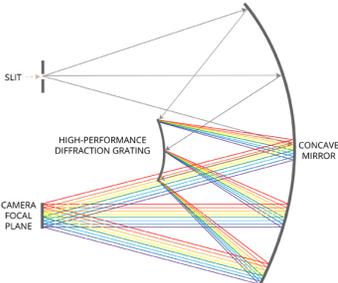
Hyperspec[®] VNIR Hyperspectral Imaging Sensor



- 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

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

 <p><i>Headwall-manufactured diffraction gratings manage reflected light with exceptional precision and resolution.</i></p>	 <p><i>Headwall's concentric design layout using mirrors and gratings provides aberration-free imaging and a wide field-of-view.</i></p>	 <p><i>Telecentric lens provides a perfectly matched exit pupil that eliminates unwanted image artifacts.</i></p>
--	--	--

March 2017

© 2017 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.



DC @H97 ; a V<
HY. Ž(- fl-&(' L* \$('%&' \$

Dc`ntYWD`Um`%!' +
: Ul . Ž(- fl-&(' L* -- '((

8`!+*'' +K UXVfcbb
9!AUJ'. hsi4 dc`ntYWX

; 9FA5BM
k k k 'dc`ntYWX