



PRODUCT DATA SHEET



Hyperspec[®] Co-Aligned VNIR-SWIR Sensor

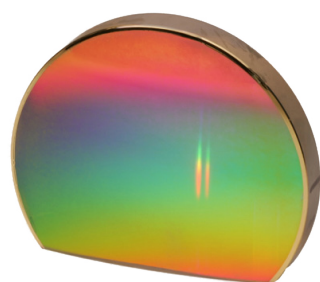
- Wavelength range: 400-2500nm
- Dual VNIR/SWIR Sensors with Co-Aligned Pixels
- 271 & 267 Spectral Pixels (VNIR/SWIR)
- 640 Spatial Pixels
- Frame rates: 330 VNIR; >100 SWIR
- Size: 10.7" x 8.2" x 6.5"; weight: 6.25 lb.
- Suitable for airborne & ground use
- High spectral & spatial resolution
- Wide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

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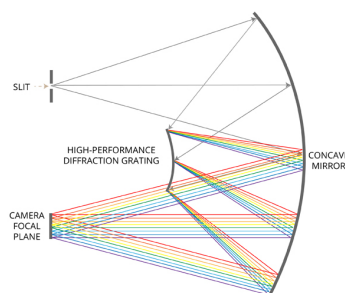


Dual-Sensor VNIR-SWIR Package

| 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 | |
| f/# | 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.

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