Hyperspec® MV
VNIR Imaging Sensor for Machine Vision Applications

- VNIR spectral range (400-1000nm)
- 270 spectral bands, 640 spatial bands
- Maximum frame rate: 485 Hz
- Base Cameralink connectivity
- Integrated solution contains imaging sensor, software, 1TB data processing unit, IP66 illumination, and more!
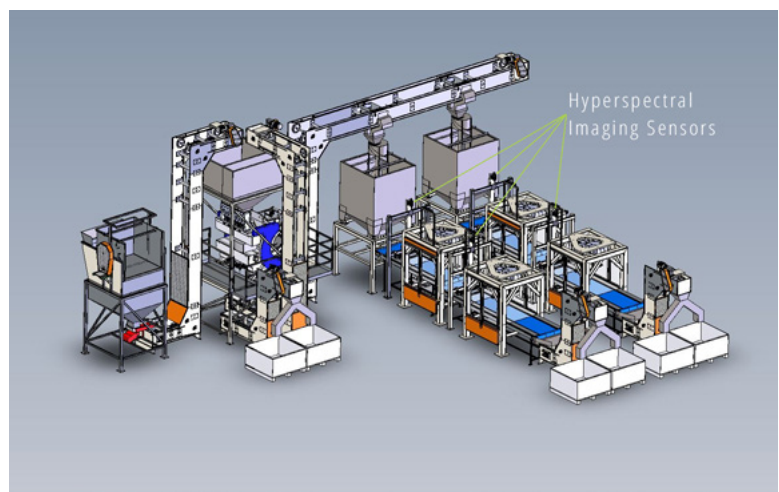
Hyperspec® MV

Wavelength range	400-1000 nm
Spatial bands	640
Spectral bands	270
Dispersion/Pixel (nm/pixel)	2.2
FWHM Slit Image	6 nm
Integrated 2nd order filter	Yes
f/#	2.5
Layout	Aberration-corrected concentric
Entrance Slit width	20 μm
Camera technology	CMOS
Bit depth	12-bit
Max Frame Rate (Hz)	485
Interface	CameraLink Base
Detector pixel pitch	7.4 μm
Max Power (W)	13
Weight with lens (lb / kg)	2.3 / 1.04
Operating Temperature	0˚C to 50˚C

POULTRY & MEAT

NUTS/FRUIT

RECYCLING

Hyperspec MV is part of a complete integrated machine vision solution from Headwall. This includes the VNIR (Visible-Near-Infrared, 400-1000nm) hyperspectral MV imaging sensor, choice of lens, laboratory software, a 1TB hyperspectral data processing unit (HDPU), IP66 illumination system, reflectance tile, and training! (Request quote for Headwall item 1007A-10406.)

Hyperspectral Imaging Sensors