



MSV 101 VNIR Hyperspectral Camera

Overview

The MSV 101 series are a value priced VNIR hyperspectral cameras for routine applications that have good control of the illumination. The spectral camera can either be ordered with a laboratory or weatherized housing. A GigE interface with power over Ethernet (PoE) allows the MSV 101 to be positioned in remote locations using a single cable.



	V8	V10
Optical Characteristics		
Spectrograph	V8H	V10H
Spectral range	380-800nm	400-1000nm
Spectral resolution	5nm (with 50µm slit)	7nm (with 50µm slit)
Spectral sampling	0.8nm	1.15nm
Spatial resolution	<30 µm RMS spot size	<40 µm RMS spot size
Distortion	Smile < 30 µm	
Numerical aperture	F/2.8	
Slit width	50µm default (30, 80 and 150µm options available)	
Effective slit length	9.4mm	9.6mm
Electrical Characteristics		
Sensor	Progressive Scan CCD	
Pixels	782 x 582	
Pixel pitch	8.3 µm	
Camera interface	Gigabit Ethernet	
Frame rate	75 fps	
Power	12VDC (PoE available)	
Mechanical Details		
Lens mount	C-mount	