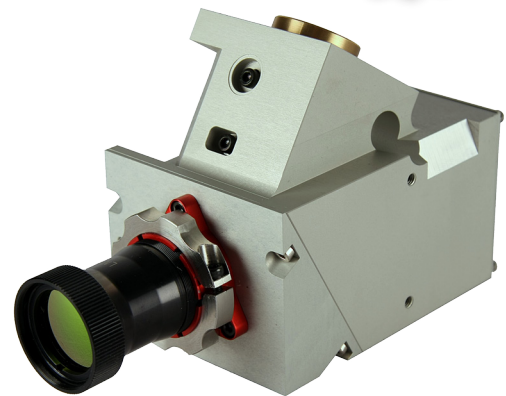


# *inspector* MWIR

SPECIM's ImSpector series offers now a unique imaging spectrograph for MWIR range. It is intended to explore and remotely identify solids, liquids and gases in the main chemical fingerprint region.



>> FOR CHEMICAL IMAGING  
 APPLICATIONS IN 3 - 5  $\mu\text{m}$   
 REGION <<

IMSPECTOR		M50M
Spectral range	3.0 μm - 5.0 μm	
F#	2.0	
Magnification	0.5	
Transmission of optics	>65%	
Diffraction efficiency	Average >65%	
RMS spot size	60 μm	
Dispersion	560 nm / mm	
Input slit size	120 μm x 19 mm	
Spectral resolution	35 nm	
Smile	< 2 μm	
Keystone	< 4 μm	
Image size (spectral x spatial)	3.57 x 9.6 mm	
Dimensions (along slit x cross slit x along optical axis)	70 x 100 x 100 mm	
Weight	770 g	
Optomechanical output interface	Customized	
Free space for mounting	24.6 mm	
Fore lenses	OLEM43	OLEM23
Spectral range	3.0 μm - 5.0 μm	3.0 μm - 5.0 μm
Field of View	24°	45°
Dimensions (length x lens tube diameter)	50 mm X 33 mm	30 mm X 28 mm
Weight	100 g	70 g
Optomechanical output interface	Custom to camera	

Patent pending

