

SPECIM



SPECTRAL IMAGING

SPECIM FX10

SMALL, FAST & AFFORDABLE HYPERSPECTRAL CAMERA
SPECIFICALLY DESIGNED FOR INDUSTRIAL MACHINE VISION





FAST OPTICS

HIGH SENSITIVITY

Enables good signal with short integration times

HIGH SIGNAL TO NOISE RATIO

Enables better detection accuracy on high speeds

FLEXIBILITY

Free wavelength selection from 224 bands within the camera coverage

HIGH SPEED

More FPS than you ever need



Example 1: Full range (224 bands) selected = 330 FPS



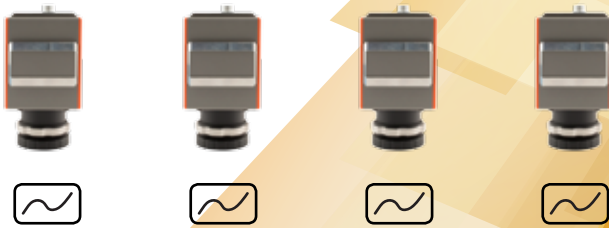
Example 2: Range of 20 bands selected = 2830 FPS



Example 3: Three specific regions selected (5 bands) = 6510 FPS

PLUG 'N' PLAY

Every Specim FX unit gives identical results



INTEGRATION

Acquisition software & SDK: LUMO Toolkit
Camera interface: CameraLink or GigE Vision

SMALL SIZE

Much smaller footprint than traditional hyperspectral cameras



Spectral Range	400 – 1000 nm
Spectral Bands	224
Spectral FWHM	5.5 nm
Spatial Sampling	1024 px
Frame Rate	330 FPS full frame 9900 with 1 band selected
FOV	38°
F-number	F/1.7
Camera SNR (Peak)	600:1
Camera Interface	GigE Vision or CameraLink
Dimensions	150 x 85 x 71 mm
Weight	1.26 kg
Integrated shutter and order blocking filter	



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