

SPECIM



SPECTRAL IMAGING

SPECIM FX17

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 = 670 FPS



Example 2: Three specific regions selected (4 bands): > 15 000 FPS

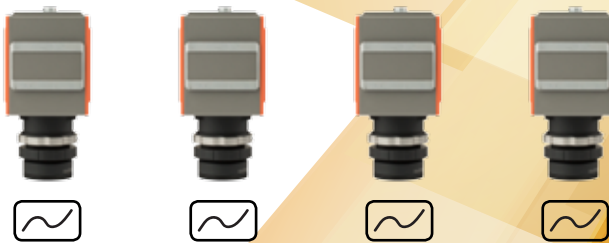
SMALL SIZE

Much smaller footprint than traditional hyperspectral cameras



PLUG 'N' PLAY

Every Specim FX unit gives identical results



INTEGRATION

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

| | |
|--------------------|--------------------------------------------------------|
| Spectral Range | 900 – 1700 nm |
| Spectral Bands | 224 |
| Spectral FWHM | 8 nm |
| Spatial Sampling | 640 px |
| Frame Rate | 670 FPS full frame 15 000 FPS with 4 bands selected |
| FOV | 38° |
| F-number | F/1.7 |
| Camera SNR (Peak) | 1000:1 |
| Camera Interface | CameraLink GigE Vision |
| Dimensions | 150 x 85 x 75 mm |
| Weight | 1.7 kg |
| Integrated shutter | |

GEN*i*CAM

GiGE
VISION

CAMERA
Link

WWW.SPECIM.FI/FX