



The Machine Vision and Imaging Specialists

Perth: (08) 9242 5411    Melbourne: (03) 9384 1775  
Sydney: (02) 9905 5551

Email: [info@adeptturnkey.com.au](mailto:info@adeptturnkey.com.au)  
Web: [www.adept.net.au](http://www.adept.net.au)

# SPECIM FX17

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



[www.adept.net.au](http://www.adept.net.au)

# FLEXIBILITY

Free wavelength selection from 224 bands within the camera coverage

# HIGH SPEED

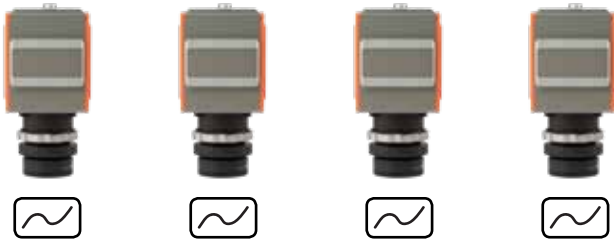
More FPS than you ever need

Example 1: Full range (224 bands) selected = 670 FPS

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

# PLUG 'N' PLAY

Every Specim FX unit gives identical results



# FAST OPTICS

## HIGH SENSITIVITY

Enables good signal with short integration times

## HIGH SIGNAL TO NOISE RATIO

Enables better detection accuracy on high speeds

# INTEGRATION

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



# SMALL SIZE

Much smaller footprint than traditional hyperspectral cameras



<b>Spectral Range</b>	900 – 1700 nm *
<b>Spectral Bands</b>	224
<b>Spectral FWHM</b>	8 nm
<b>Spatial Sampling</b>	640 px
<b>Frame Rate</b>	670 FPS full frame 15 000 FPS with 4 bands selected
<b>FOV</b>	38°
<b>F-number</b>	F/1.7
<b>Camera SNR (Peak)</b>	1000:1
<b>Camera Interface</b>	GigE Vision or CameraLink
<b>Dimensions</b>	150 x 85 x 75 mm
<b>Weight</b>	1.56 kg
<b>Integrated shutter</b>	

\* The precise range is determined by sensor material characteristics. A typical sensitivity curve of InGaAs sensor is shown in figure.

