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FX17

FX17 Series

FX17

- NIR 900–1700 nm with 224 freely selectable spectral bands
- Up to 670 FPS, 640 spatial pixels, 12-bit dynamics, SNR 1000:1
- Built-in AIE with uniform spectral calibration, smile/keystone correction
- CameraLink or GigE Vision, GenICam compatible, 12 V DC
- CE, RoHS, IP52, TEC cooled InGaAs sensor, operating temperature +5 to +40°C

PRODUCT DESCRIPTION

The Specim FX17 is a hyperspectral NIR camera for industrial material identification and quality control with 224 spectral bands in the range of 900-1700 nm.

Specim FX17 – Hyperspectral NIR Camera
The Specim FX17 is a hyperspectral line scanner camera for industrial and laboratory environments, operating in the near-infrared (NIR) range of 900-1700 nm. The camera is optimized for applications that require precise material identification beyond the limit of visible light. With an InGaAs sensor, TEC cooling and SNR of 1000:1, the FX17 delivers high-quality spectral data with 640 spatial pixels and 224 freely selectable spectral bands – ideal for food and feed quality, waste sorting, recycling and moisture measurement.

TECHNICAL DATA

3612_Pixel size (µm)	18,7
Approvals	CE, RoHS
Fan	No
Frame rate max	670 fps
Height	85 mm
Input voltage	12 V DC (±10%)
IP class	IP52
Length	150 mm
Lens barrel	Custom mount
Line speed max	0.7 kHz
Operating humidity	5–95% (icke-kondenserande)
Operating temperature	+5 … +40°C (icke-kondenserande)
Pixel size min	18.7 µm

Power consumption	24 W
Sensor length	12 mm
Storage temperature	-20 … +50°C (icke-kondenserande)
Supply voltage	12 V
Supply voltage dc max	13.2 V DC
Supply voltage dc min	10.8 V DC
User interface	CameraLink
Wavelength	900–1700 nm
Weight	1.56 kg
Width	75 mm