

GX17

GX17 Series

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- NIR 980–1730 nm with 168 spectral bands
- Up to 800 FPS, 480 spatial pixels, 16-bit output, SNR 700
- F/1.7 optics for maximum signal strength and speed
- GenCP compliant CameraLink, SpecimONE support, 10–32 VDC
- CE, RoHS, IP52, compact 1.9kg, operating temperature +5 to +40°C



PRODUCT DESCRIPTION

The Specim GX17 is a next-generation hyperspectral NIR camera for real-time machine vision with 168 spectral bands, 800 FPS, and F/1.7 optics in the range of 980-1730 nm.

Specim GX17 – The Next Generation NIR Camera

The Specim GX17 is the next-generation NIR line scanner camera for real-time machine vision, optimized for fast and cost-effective inline sorting, inspection, and quality control in the near-infrared range of 980-1730 nm.

With 480 spatial pixels and 168 spectral bands, the GX17 delivers high-quality hyperspectral data at an impressive 800 FPS – ideal for waste sorting, food sorting, and NIR spectrum research.

TECHNICAL DATA

3612_Pixel size (µm)	24,9
Approvals	CE, RoHS
Connector	Power M8-4pin, Control M12-12pin, CameraLink SDR
Fan	No
Frame rate max	800 fps
Height	102 mm
Input voltage	10–32 VDC
IP class	IP52
Length	202 mm
Lens barrel	Custom mount
Line speed max	0.8 kHz
Operating humidity	5–95% (icke-kondenserande)
Operating temperature	+5 ... +40°C (icke-kondenserande)
Pixel size min	24.9 µm

Power consumption	7.5 W
Resolution max	480 spatiala pixlar
Sensor length	12 mm
Storage temperature	-20 ... +50°C (icke-kondenserande)
Supply voltage	32 V
Supply voltage dc max	32 V DC
Supply voltage dc min	10 V DC
User interface	CameraLink
Wavelength	980–1730 nm
Weight	1.9 kg
Width	75 mm