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SX25

SX25 Series

SX25

- SWIR 960–2500 nm with 392 spectral bands
- Up to 162 FPS, 640 spatial pixels, 16-bit dynamics, SNR 1500:1
- Built-in AIE, NUC, BPR and dark level stabilization, dynamic range 4500:1
- GigE Vision with GenICam and JSON-RPC, 24 V DC via AC adapter
- CE, MCT sensor with integrated Stirling cooling, IP40

PRODUCT DESCRIPTION

The Specim SX25 is a high-spectral resolution hyperspectral SWIR camera for materials analysis and chemical identification with 392 spectral bands in the range of 960-2500 nm.

Specim SX25 – High Spectral SWIR Hyperspectral Resolution Camera
The Specim SX25 is a hyperspectral line scanner camera built for those who require the most accurate material analysis. The camera operates in the SWIR range of 960-2500 nm and delivers exceptionally detailed spectral data for accurate material identification and in-depth chemical analysis.
With an MCT sensor and integrated Stirling cooling, SNR 1500:1, 16-bit dynamics, and a dynamic range of 4500:1, the SX25 delivers reliable results even for demanding applications such as coating inspection, mineral and ore grading, food and agricultural grade, and chemical and pharmaceutical research.

TECHNICAL DATA

3612_Pixel size (µm)	18,75
Approvals	CE
Connector	Ethernet, Aux, Power, Trig In, Trig Out
Fan	Yes
Frame rate max	162 fps
Height	150 mm
Input voltage	24 V DC / 100–240 V AC via adapter
IP class	IP40
Length	280 mm
Lens Barrel	C-Mount
Line speed max	0.2 kHz
Operating humidity	5–95% (icke-kondenserande)
Operating temperature	+5 … +40°C (icke-kondenserande)

Pixel size min	18.75 µm
Power consumption	35 W
Resolution max	640 spatiala pixlar
Sensor length	12 mm
Storage temperature	-20 … +50°C (icke-kondenserande)
Supply voltage	24 V
Supply voltage dc max	24 V DC
Supply voltage dc min	24 V DC
User interface	GigE
Wavelength	960–2500 nm
Weight	5.3 kg
Width	200 mm