MICROXCAM-384i-MLWIR

INFRARED CAMERA

The MICROXCAM-384i-MLWIR is an infrared camera based on the sensitive INO 384 x 288-pixel uncooled microbolometer FPA, fabricated using INO's 35 µm pixel pitch VOx technology.

The camera shows sensitivity over a spectral range of 3 to 14 µm, providing live video images. It features a very small footprint: 61 x 61 x 65 mm. Its low power consumption, light weight and unique ability to see in the MWIR to LWIR makes it ideal for multiple applications.

APPLICATIONS

- Imaging
- Manufacturing
- Quality control
- Process monitoring
- Spectroscopy
- Security
- Inspection

MICROXCAM-384i-MLWIR

R&D CONTRACTS – PROTOTYPING – PREPRODUCTION
SHORT-RUN PRODUCTION – TECHNOLOGY TRANSFERS

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INFRARED CAMERA

Preliminary technical specifications

CAMERA SPECIFICATIONS (1)	
Sensor	• 384 x 288 pixels VOx uncooled microbolometer FPA • 35 µm pixel pitch • 3 to 14 µm
Frame rate	50 Hz
Video output	GigE Link • RJ-45 connector • 16-bit raw data
Supply	12 VDC Nominal (10VDC to 15VDC)
Power (excluding TEC power)	< 3 W
Dimensions (excluding optics)	61 mm (H) x 61 mm (W) x 65 mm (L) 2.4 in. (H) x 2.4 in. (W) x 2.6 in. (L)
Weight (excluding optics)	360 g / 0.8 lb
Temperature	0 to 40 °C
NETD (F/1, 50Hz, 3-14 µm)	< 35 mK
Operability	> 99%

[1] Specifications subject to change without notice.

INO is a world-class center of expertise in industrial applications for optics and photonics, and a leading technology developer and provider of infrared technologies

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