



MICROXCAM-384i-MLWIR

INFRARED CAMERA

SOLUTION OVERVIEW

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.

TYPICAL APPLICATIONS

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



PRELIMINARY TECHNICAL SPECIFICATIONS

CAMERA SPECIFICATIONS (1)

Sensor	<ul style="list-style-type: none">• 384 x 288 pixels VOx uncooled microbolometer FPA• 35 μm pixel pitch• 3 to 14 μm
Frame rate	50 Hz
Video output	GigE Link <ul style="list-style-type: none">• 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%

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