



# MICROXCAM-384i-MLWIR

## INFRARED CAMERA

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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  $\mu\text{m}$  pixel pitch VOx technology.

The camera shows sensitivity over a spectral range of 3 to 14  $\mu\text{m}$ , 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





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Preliminary technical specifications

CAMERA SPECIFICATIONS <sup>(1)</sup>	
Sensor	<ul style="list-style-type: none"><li>• 384 x 288 pixels VOx uncooled microbolometer FPA</li><li>• 35 <math>\mu\text{m}</math> pixel pitch</li><li>• 3 to 14 <math>\mu\text{m}</math></li></ul>
Frame rate	50 Hz
Video output	GigE Link <ul style="list-style-type: none"><li>• RJ-45 connector</li><li>• 16-bit raw data</li></ul>
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 $\mu\text{m}$ )	< 35 mK
Operability	> 99%