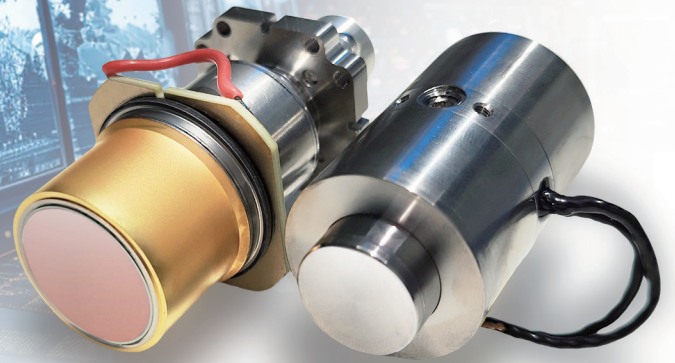
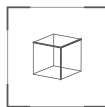




OGI330HM

Optical Gas Imaging (OGI) Detector

The OGI330HM is a series of high-operating-temperature mid-wave infrared (MWIR) gas detectors based on III-V materials, featuring a 320×256 array with a $30\mu\text{m}$ pixel pitch. It operates at temperatures up to 150K, achieving excellent SWaP-C (Size, Weight, Power, and Cost) performance, and offers efficient detection capabilities for volatile organic compound (VOC) gases.



SWaP-C



Long Lifespan



Excellent Material
Stability applications

Product Imaging



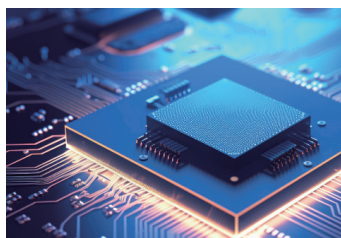
Specifications

Product Series	OGI330HM			
Product Model	F12BL-A	F12BL-B	F12BL-C	F12BL-D
Response Band	$3.2\pm0.1\mu\text{m}-3.5\pm0.1\mu\text{m}$	$3.8\pm0.1\mu\text{m}-4.1\pm0.1\mu\text{m}$	$4.2\pm0.1\mu\text{m}-4.4\pm0.1\mu\text{m}$	$4.5\pm0.1\mu\text{m}-4.7\pm0.1\mu\text{m}$
Array Specifications	320×256			
Pixel Pitch	30μm			
F-number	1.2			
NETD	≤10mK			
Effective Pixel Rate	≥99.5%			
Response Inhomogeneity	≤10%			
Stable Power Consumption	≤4W (25°C±2°C)			
Maximum Power Consumption	≤10W (25°C±2°C)			
Power Supply	12V DC			
Cooled Time	≤2min30s (25°C±2°C)			
Weight	≤280g			
Dimensions	70mm×62.5mm×37.2mm			
Operating Case Temperature	-40°C~+70°C			
Cooler MTTF	≥20000h(25°C±2°C)			
Applications	Methane, Ethane, and VOC Gases	Furnace Safety Inspection	Carbon Dioxide	Carbon Monoxide, Nitrous Oxide, Ketene

Applications



Gas Detection (OGI)



Hyperspectral Detector



Security Monitoring



Biomedical

Company Profile

Raytron Microelectronics Co., Ltd. is a wholly-owned subsidiary of Raytron Technology Co., Ltd., providing global customers with infrared detectors, core modules, and industry solutions.

Our products are widely used in various fields, including infrared temperature measurement, night vision observation, machine vision, intelligent driving, Commercial Drone, smart industry, security monitoring, Internet of Things, medical epidemic prevention and gas detection.

With the mission of "to create incremental value for customers with technological advancements", we are committed to leaving a name in the history of constantly expanding human perception capabilities.



Official Website



LinkedIn Official Account

Raytron Microelectronics Co., Ltd.

Tel (Global): +86 400-998-9038

WhatsApp Business: +86 198 0619 1838

Email: marketing@raytrontek.com

Website: www.raytron-microelectronics.com

Version: PL202610V1