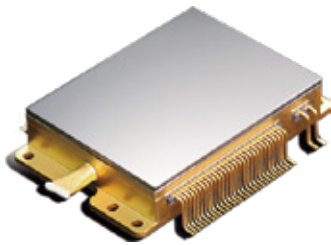


# GST1212M

## Uncooled Infrared Detector

**Mega Pixel**  
**Mass Production**  
**Fast Delivery**



### Description

The GST1212M is a self-developed 1280×1024 resolution, 12μm pixel size uncooled infrared detector by GST. Adopting the mainstream metal package technology, this thermal imaging sensor provides high thermal sensitivity, outstanding image quality, built-in TEC for stable FPA temperature and adapts to all kinds of extreme harsh environments.

#### Mega Pixel Images

- 1280×1024 resolution for wider FOV, longer distance
- 12μm pixel size for better spatial resolution

#### High Performance Application

- High sensitivity, typical NETD<50mK
- Built-in TEC for stable FPA temperature

#### Strong Adaptability

- Metal package for rugged durability
- Suitable for various harsh environments

## Specifications

Model	GST1212M
Sensitive Material	Vanadium Oxide
Resolution	1280×1024
Pixel Size	12μm
Spectral Range	8~14μm
Typical NETD	<50mK
Output Signal	Built-in 14bit ADC
Thermal Time Constant	<12ms
Max. Frame Rate	50Hz
Power Consumption	<350mW
Size (mm)	45×28.5×8 (Without Pin Size)
Weight	<57g
Operating Temperature	-40°C~+85°C

Specifications are subject to change without prior notice.

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