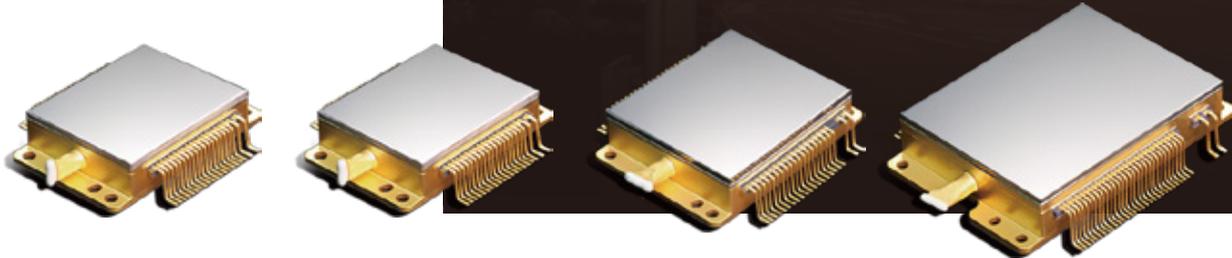
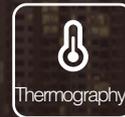


# Metal Package Uncooled Infrared Detectors

The Most Classic  
Thermal Imaging Solution



## Description

As the most mature and stable packaging method, metal package is still the mainstream of the current uncooled infrared detector market. With superior performance, high sensitivity, excellent imaging quality and stable operation, metal package infrared detectors can adapt to all kinds of extreme harsh environments.

### Designed for High Requirements Application

- High thermal sensitivity, NETD as low as 30mK
- Built-in TEC for stable FPA temperature

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### Adapt to Extreme Environments

- High reliability, rugged durability
- Suitable for all kinds of harsh environment



## Specifications

Model	GST1212M	GST817M	GST612M	GST417M
Sensitive Material	Vanadium Oxide			
Resolution	1280×1024	800×600	640×512	400×300
Pixel Size	12μm	17μm	12μm	17μm
Spectral Range	8-14μm			
Typical NETD	<50mK	<30mK	<40mK	<30mK
Digital Output	Built-in 14 bit ADC			
Thermal Time Constant	<12ms			
Max Frame Rate	50Hz			
Power Consumption	≤350mW	≤290mW	≤220mW	≤250mW
Size (mm)	45×28.5×8 (Without Pin Size)	35×25×7.4 (Without Pin Size)	30×19.8×7.32 (Without Pin Size)	30×19.8×7.32 (Without Pin Size)
Weight	<57g	<20g	<20g	<15g
Operating Temperature	-40°C ~ +85°C			

Specifications are subject to change without prior notice.

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