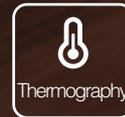
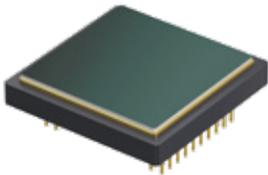


Ceramic Package Uncooled Infrared Detectors

**Cost-effective
Thermal Imaging Solution**



Description

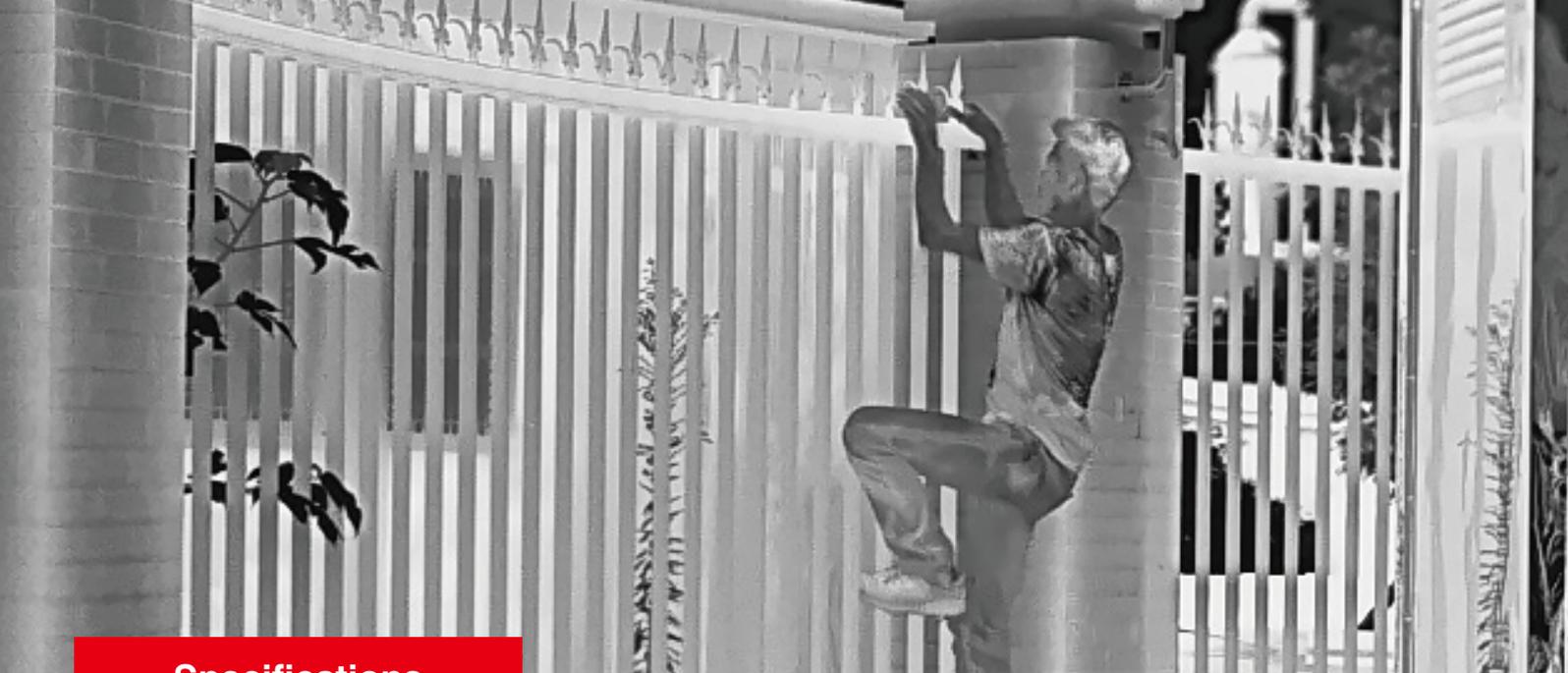
Ceramic package is currently the most popular package technology in the market. The size, weight and power consumption of the detector can be significantly reduced. Adopting ceramic package and TEC-less design, the GST412C and GST612C integrate advantage of small size, light weight, high performance, low power consumption and high reliability, providing users with excellent infrared images and cost-effective detector products.

Meet High-performance Requirements

- High thermal sensitivity, NETD<40mK
- Excellent and smooth image quality, frame rate up to 50Hz

Miniaturized Integration Applications

- Mini size as low as 18.5mm×18.5mm×3.8mm
- Light weight, less than 4.5g
- Low power consumption: 80mW (GST412C); 120mW (GST612C)



Specifications

Model	GST612C	GST412C
Sensitive Material	Vanadium Oxide	
Resolution	640×512	400×300
Pixel Size	12μm	12μm
Spectral Range	8-14μm	
Typical NETD	<40mK	
Digital Output	Built-in 14 bit ADC	
Thermal Time Constant	<12ms	
Max Frame Rate	50Hz	
Power Consumption	≤120mW	≤80mW
Size (mm)	18.5×18.5×3.8 (Without Pin Size)	
Weight	<4.5g	
Operating Temperature	-40°C ~ +85°C	

Specifications are subject to change without prior notice.

Wuhan Global Sensor Technology Co., Ltd

+86 27 81298493

marketing@gst-ir.com

www.gst-ir.net

No. 6 Huanglongshan South Rd, Wuhan 430205, P.R.China