



Metal Package Uncooled Infrared Detectors

The Most Classic Infrared Thermal Imaging Detectors

—12 μ m—



GST1212M

GST612M

GST412M

GST212M

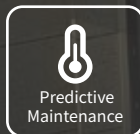
—17 μ m—



GST817M

GST417M

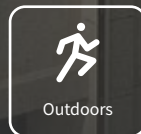
As the most mature and stable performance of uncooled infrared detector packaging method, the metal packaging is still the mainstream for the high performance applications. It is superior at sensitivity, imaging quality and reliability, also can adapt to all kinds of extreme harsh environment .



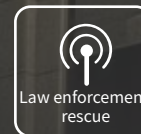
Predictive
Maintenance



Security &
Monitoring



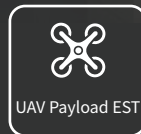
Outdoors



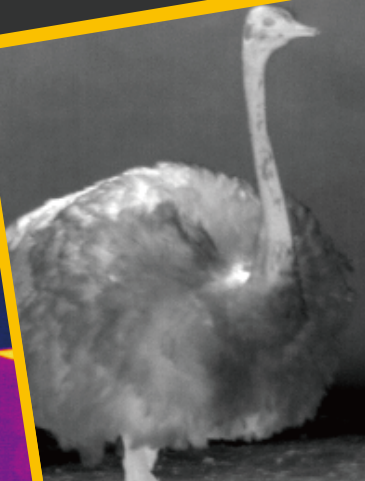
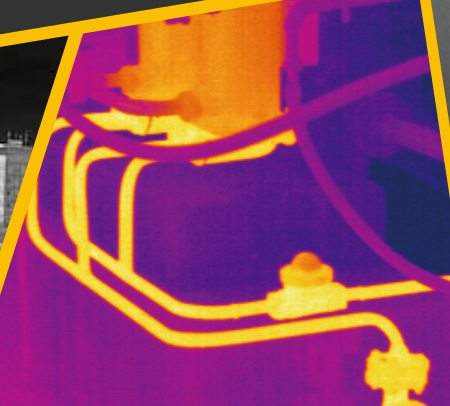
Law enforcement
rescue



ADAS



UAV Payload EST





“Designed for high requirements application”



- High sensitivity, NETD<30mK.
- Built-in TEC for stable FPA temperature.

“Adapt to extreme environments”



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

Model	GST1212M	GST612M	GST412M	GST212M	GST817M	GST417M
Material	VOx					
Resolution	1280×1024	640×512	400×300	256×192	800×600	400×300
Pixel Pitch	12μm				17μm	
Spectral Range	8~14μm					
NETD	< 30mK					
Output	built-in14 bit ADC			Analog Output	built-in14 bit ADC	
Typical Responsivity	15mV/K					
Thermal Response Time	< 12ms					
Frame Rate	50/60Hz					
Power Consumption	< 350mW	< 220mW	< 200mW	< 50mW	< 220mW	< 200mW
Dimension(mm)	45×28.5×8	30×19.8×7.32		23×13×7.32	35×25×7.4	30×19.8×7.32
Weight	< 50g	< 20g	< 18g	< 6.5g	< 25g	< 18g
Operation Temperature	-40°C ~ +85°C					

Specifications are subject to change without notice.

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