

SG-HTM03U2-T9(15,19,25)**12μm 640×512 USB Output Compact Size Thermal Module**

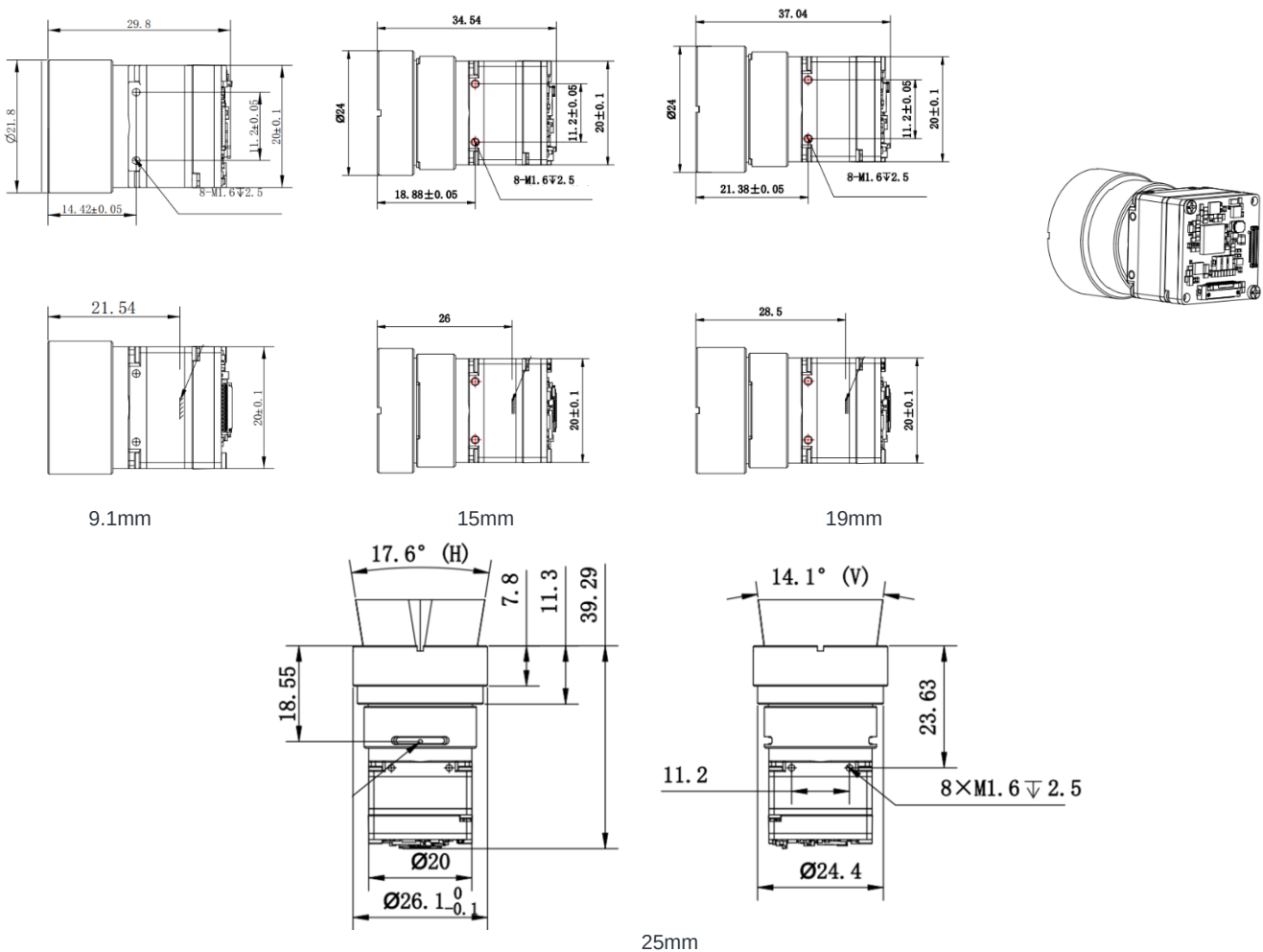
- 12μm 640×512 high sensitivity Vox sensor
- 9.1mm / 15mm / 19mm / 25mm athermalized lens
- Support up to 15 color palettes
- Temperature range: -20°C~+150°C & 100°C~550°C
- Max ($\pm 2^{\circ}\text{C}$, $\pm 2\%$) at ambient temperature 25°C and object temperature above 0°C
- Compact size and low consumption

Specification

Model Number	SG-HTM06U2-T9	SG-HTM06U2-T15	SG-HTM06U2-T19	SG-HTM06U2-T25
Thermal Module				
Image Sensor	VOx Uncooled Focal Plane Arrays			
Max. Resolution	640×512			
Frame Rate	Adjustable, 6Hz to 30Hz			
Pixel Interval	12μm			
Response Waveband	8μm to 14μm			
NETD	≤ 40mK (@ 25°C), F# = 1.0			
Lens (Focal Length)	9.1mm	15mm	19mm	19mm
F Number	F1.0	F1.0	F1.0	F1.0
IFOV	1.3mrad	0.8mrad	0.6mrad	0.48mrad
Field of View(H×V)	48.3°×38.6°	29.3°×23.4°	22.8°×18.4°	17.46°×14.01°
Min. Focusing Distance	2m	5m	7m	8m
Temperature Measurement				
Temperature Range	-20°C~+150°C & 100°C~550°C			
Temperature Accuracy	Max (± 2°C, ± 2%) at ambient temperature 25°C and object temperature above 0°C			
Temperature Distance (based on 0.65×0.65m)	10m (Farthest)	15m (Farthest)	20m (Farthest)	25m (Farthest)
Thermography Rule	3 temperature measurement rule types, 21 rules (10 points, 10 regions, and 1 line)			
Data Output	16bit Temperature Data			
Image Display				
Contrast Adjustment	Yes			
Brightness Adjustment	Yes			
Palettes	15 Palettes of Color Adjustable, Default White Hot			

FFC (Flat Field Correction) Mode	Auto, Manual, External Correction			
DDE	Yes			
General				
Hardware Interface	USB2.0 FPC			
Power	DC 5V ± 5%			
Power Consumption	≤0.55W	≤0.55W	≤0.55W	≤0.65W
Vibration & Shock	Vibration: sinusoidal vibration, 20 m/s ² , 3-axis Shock: Half sine wave, 30 g/11 ms, 3-axis 6-way			
Dimension (mm)	29.8*20*20mm	34.54*20*20mm	37.04*20*20mm	39.29*20*20mm
Weight	≤22g	≤28g	≤32g	≤33g
Working Temperature	-40°C~70°C			

Dimension



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*Design and specifications are subject to change without prior notification.
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