

SG-HTM02U2-T9(15)**12μm 256×192 USB Output Compact Size Thermal Module**

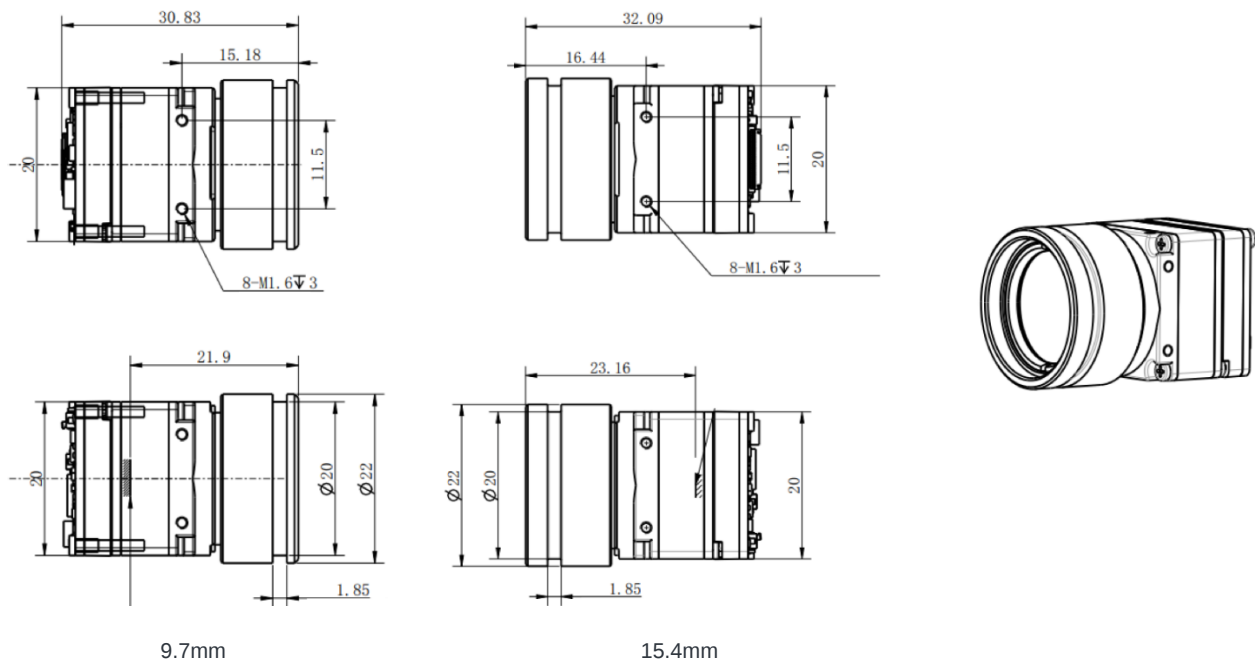
- 12μm 256×192 high sensitivity Vox sensor
- 9.7mm / 15.4mm athermalized lens
- Support up to 15 color palettes
- Temperature range: -20°C~+150°C & 100°C~550°C
- Max ($\pm 2^{\circ}\text{C}$, $\pm 2\%$) at ambient temperature 25°C and object temperature above 0°C
- Compact size and low consumption

Specification

Model Number	SG-HTM02U2-T9		SG-HTM02U2-T15
Thermal Module			
Image Sensor	VOx Uncooled Focal Plane Arrays		
Max. Resolution	256×192		
Frame Rate	Adjustable, 25Hz to 50Hz		
Pixel Interval	12μm		
Response Waveband	8μm to 14μm		
NETD	≤ 40mK (@ 25°C), F# = 1.0		
Lens (Focal Length)	9.7mm	15.4mm	
F Number	F1.0	F1.0	
IFOV	1.2mrad	0.8mrad	
Field of View(H×V)	18.1°×13.6°	11.4°×8.6°	
Min. Focusing Distance	2m	5m	
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)	
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	≤0.5W	
Vibration & Shock	Vibration: sinusoidal vibration, 20 m/s ² , 3-axis Shock: Half sine wave, 30 g/11 ms, 3-axis 6-way	
Dimension	30.83mm*20mm*20mm	32.09mm*20mm*20mm
Weight	≤20g	≤22g
Working Temperature	-40℃~60℃	

Dimension



Hangzhou Savgood Technology Co., Ltd.

Rm. 1201, Xincheng Fazhan Building #1, No. 406 Xintiandi Street,
 Xiacheng District, Hangzhou City, 310022, China
 Tel: +86 - (571) 8803 8121
 Email: sales@savgood.com
<http://www.savgoodtech.com>
<http://www.savgood.com>

*Design and specifications are subject to change without prior notification.
 © 2013 Savgood Technology Co., Ltd.