

## SG-UAVNH-T50(T)

- 640x480 Thermal Drone Camera with Network and HDMI output



### 1. Features

- > 3-axis stabilized Pan-Tilt, High precision:  $\pm 0.01^\circ$
- > Support GPS info Overlay.
- > Support smart Auto-Tracking
- > Support Network, S.BUS and Serial port control mode.

#### Thermal Camera

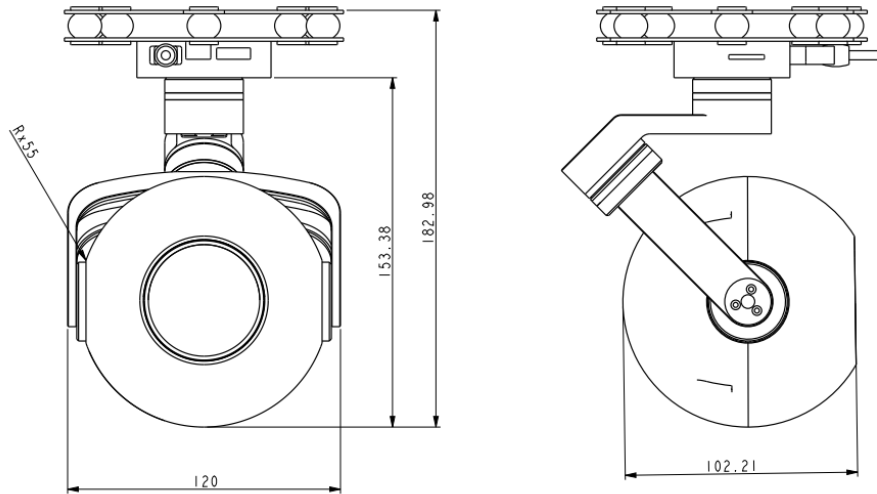
- > 640x480 Resolution, high sensitivity sensor
- > 17um Pixel pitch.
- > 50mm Fixed Thermal Lens
- > SG-UAVNH-T50T can support Temperature measurement function

### 2. Specification

Model		SG-UAVNH-T50	SG-UAVNH-T50T
<b>Thermal Camera</b>			
Sensor	Image Sensor	Uncooled aSi Microbolometer	
	Resolution	640 x 480	
	Pixel Size	17 $\mu$ m	
	Sensitivity	$\leq 50\text{mk}@25^\circ\text{C}$	
Lens	Focal Length	50mm, F1.0	
	Focus	Athermalized, Focus-free	
	Angle of View	12.4 $^\circ$ x9.3 $^\circ$	

Temperature measurement	Measurement Range	N/A	-20°C~200°C (Expandable -20°C ~+500°C, 2 levels)
	Measurement Accuracy	N/A	±2 °C or ±2% (Take large values)
	Measurement Tools	N/A	Display and track the Highest and Lowest temperature. Display the Center Point and Average temperature; Save global temperature data, and point temperature measurement.
<b>Video</b>			
Video Output		Network and HDMI	
Video Stream		Network: 25fps@640x480 HDMI: 25fps@1920x1080	
Storage		TF card (128 GB), could save video(.avi) and picture(.jpeg)	
<b>Pan-Tilt Gimbal</b>			
Angular Vibration Range		±0.01°	
Pitch		+90°~-15°	
Roll		±40°	
Yaw		±300°	
Stabilization		Support	
Control Mode		Network, S.BUS and TTL Serial port control	
Auto Tracking		Support	
Tracking Mode		Support network protocol and TTL serial protocol	
<b>Condition</b>			
Operating Conditions		-20°C~+60°C/20% to 80%RH	
Storage Conditions		-40°C~+80°C/20% to 95%RH	
Working Voltage		DC 12V~24V (3s~6s)	
Working Current		Dynamic: 3000mA(@12V), Static: 600mA(@12V)	
Dimensions(L*W*H)		Approx. 128mm*120mm*183mm	
Weight		Approx. 950g	

### 3. Dimension

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