

## SATIR THERMAL VISION 256 Thermal Vision Headset



The SATIR thermal vision 256 is a thermal vision headset from SATIR Europe. SATIR have been developing this new platform of thermal imaging due to demand from thermal camera users for a hands-free operation that incorporates wearable technology.

It features a 256x192 IR detector which delivers a good quality image that would be suitable to most applications that require a clear thermal image. It also has a 16MP digital camera which allows for comparison of thermal and digital images.



The headset is suitable for glasses wearers and has a battery life of up to 3-4 hours. It has a wide temperature range of  $-20^{\circ}\text{C}$ ~ $+550^{\circ}\text{C}$  and accuracy of  $\pm 2^{\circ}\text{C}$  or 2% of readings. It also has multiple measurement tools to assist the end-user in analysis.

### Key Features

- New Platform Style for Thermal Imaging
- 256x192 IR Detector
- 16MP Digital Camera
- Suitable for Glasses Wearers
- Hands Free Operation
- Voice Recognition



## SATIR THERMAL VISION 256

## Specifications

<b>Thermal Camera</b>	
Detector type	256x192 UFPA
FOV	56°x42°
Palette	9
<b>CCD/Digital</b>	
Display	LCOS, 1920x1080
Resolution	HD 16MP
FOV	40°
Frame Rate	60Hz
<b>AR Glasses</b>	
Contrast	>=200.1
Eye Movement Range	9x6mm
Mirror Distance	18mm
Optical Distortion	<4%
Brightness Uniformity	>=50%
Lens Transmittance	>80%
Pixel Size	6.3x6.3μm
Lens Thickness	1.45mm
Size	More than 30.5x18.2x9.6cm
<b>Temperature measurement</b>	
Measurement range	-20°C~+550°C
Analysis tool	3 movable spots, 3 area boxes, 2 line, ma
Accuracy	±2°C or 2% of readings
<b>Functions</b>	
Image Mode	IR/CCD/Fusion
Battery Life	3-4 Hour, Replaceable Battery
Photo/Video	Yes
Shutter/Frozen	Yes
Mobile Communication	Support 4G, can expand to 5G in the future
Parameter Settings	Emissivity, Ambient Temperature, Distance, Temperature Units
Voice Function	Yes
Remote Assistance	Yes
Encapsulation	IP54
Language	English, Spanish, Chinese, German, French, Russian, Japanese, Korean
Overall Structure	Infrared Module & Headset Integration
WIFI, GPS, Bluetooth	Yes
Screen Function	Yes

Please be aware specifications can vary from time to time