

AGT-ARSN0214 Aries Handheld Monocular Thermal Imaging Camera



Overview:

AGT-ARSN0214 handheld thermal imager is a thermal imaging product specially designed for portable night observation. This thermal imager is an optoelectronic product with the latest 5th generation uncooled infrared technology and unique imaging circuit components, precise AS optical system design and reliable structure design. Light weight and small size, and it can achieve 1500m of target search and observation. The best infrared imaging effect, with ultra-low power consumption, simple operation, compact and stable structure.

AGT-ARSN0214 is a high-quality product designed according to scientific ergonomic structure. The product has good infrared imaging effect, small size, light weight, low power consumption, simple operation, light structure, portable and with comfortable handle. The product is equipped with high-quality rubber soft sleeve, and optimize designed according to the human hand shape, which makes the user have a good single-handed grip experience. It can be used for hand-held and stationary observation, night reconnaissance and target search.

The device supports WIFI transmission, real-time browsing, video recording and photo taking by mobile APP, without menu mode, and also adopts a shortcut button operation mode, that convenient and fast to use. This device has a long standby and can be operated for a long time in the harsh outdoor environment.

Product's Highlights:

1. Based on the 5th generation miniaturization detection technology, the miniaturization design reduces the size and cost of the device, easy to carry and use.

2. This device is made of super-strong aluminium alloy shell, which can resist 1 meter drop, with IP66 protection, rain-proof and dust-proof.
3. The detection sensitivity (NETD) can reach 60mk, which is higher than other conventional products, with smoother picture quality and less affected by foggy, raining and snowing weather.
4. Unique AS optical design and high precision optical and mechanical design, excellent imaging quality;
5. Excellent non-uniform image correction technology with better image uniformity and dynamic range.
6. USB charging interface, power bank/cigarette lighter device and other portable charging methods;
7. SDE image detail enhancement technology, smooth image with noise-free, optional with hot-black hot-white polar image format, strong adaptability, made easy to find low contrast hidden targets;
8. The device supports WIFI transmission, real-time browsing, video recording and photo taking by mobile APP.

Application Range:

1. Hunting;
2. Criminal investigation;
3. Forensic and Inspection;
4. Oilfield and chemical plant security monitoring;
5. City Security and Safety Monitoring & Surveillance;
6. Railway system security and guarding;
7. Night gathering evident.

Specification:

Model	AGT-ARSN0214
General Specification	
Detection	Vehicle: 1500m
	Human: 520m
Identification	Vehicle: 380m
	Human: 160m
Sensor	VOx Uncooled Detector
Resolution	384 × 288 pixel
Spectral range	7.5~14μm
NETD	60mK (@25°C F1.0)
Focal length	20mm
Field of view(horizontal)	28° X 21°
Image processing	
1. Image enhancement: SDE digital image processing.	
2. Pseudo colour polarity: Hot-Black, Hot-White, Hot-Red.	
3. Image parameter: AGC automatic gain control, brightness and contrast.	
4. Digital zoom: 2X, 4X.	
5. NUC Correction: Auto/Manual correction.	
6. Hot-point alert: High temperature target indicating track.	
Display Method	
1. Microdisplay eyepiece: LCOS microdisplay, monocular;	
2. Concealment: Eye mask, high concealment;	
3. Shielding brightness: 5 shifts adjustable;	
4. Diopter: adjustable;	
5. Wireless transmission: WiFi real-time image transmission, supporting mobile APP image browsing, photography, video and other functions	
Storage	
1. Storage media: built-in 16G memory card	

2. Capacity: 40,000 JPEG photos, with USB export

Operation Method

1. Material: Aluminum alloy shell, stainless steel fixture, anti-skid rubber sleeve
2. Structure: Single-hand with four key-buttons, ergonomic design

Power Supply

1. Built-in battery: wide temperature rechargeable lithium battery, 3200 mAh
2. Continuous working hours: > 5 hours
3. Charging time: 4 - 5 hours

Interface

1. Data Interface: 1 PAL Video Output, 1 USB Data Export
2. Charging Interface: Micro USB

Size & Weight

1. Weight: 360g
2. Size: 158mm x 62mm x 66mm

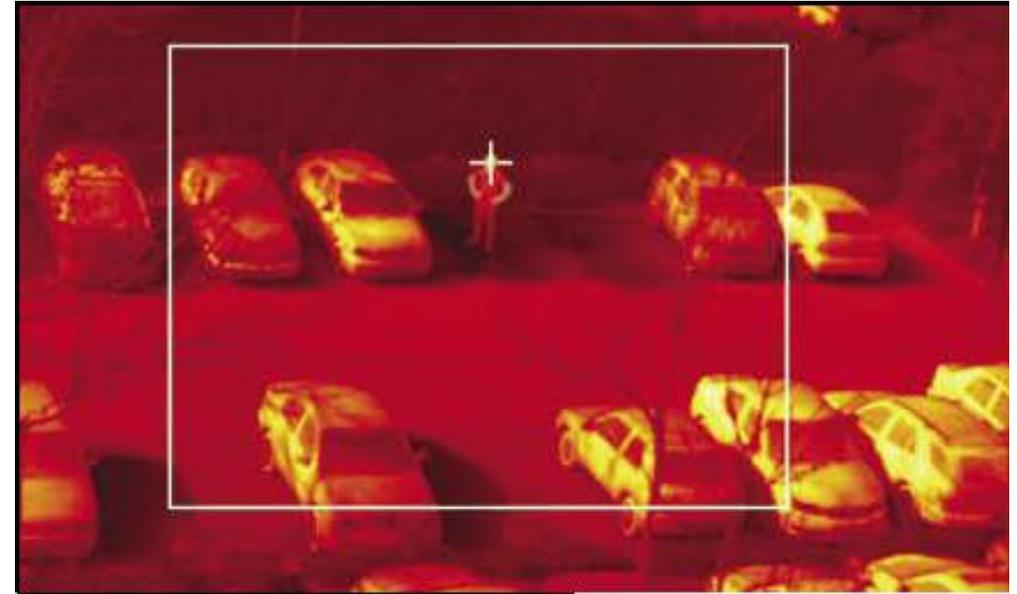
Environmental Parameter

1. Working Temperature: -25 ~+55
2. Storage Temperature: -40 ~+65
3. Humidity: <90% RH
4. Impact: 25G, IEC68-2-29, GB
5. Vibration: 2G, IEC68-2-6, GB
6. Fall: 1 m
7. Protection Level: IP66

Accessories

1. Cable: USB Data Wire
2. Portable belt: wristband, soft bag
3. Charger: USB adapter
4. Software: A CD-ROM
5. Tripod: (Optional)

* The detection distance is related to the object and environment etc. Please contact with us for further



Hot-Red Imaging



Hot-White Imaging