

IR5210 Series

Multi-functional Cooled Portable Thermal Imager



Border Security
Law Enforcement
Mission Target
Search
Patrol

IR5210 is multi-functional cooled handheld binocular thermal imager. It integrated a thermal imager, visible camera, a laser range finder, GPS, electronic compass. It comprises a thermal imager with 8x continuous optical zoom. It's rugged and portable.



- High resolution thermal imager, high resolution visual camera. Work all day, see through glare
- GPS, electrical compass, eye-safe laser range finder
- The output image can be displayed on its color OLED display and alternatively on a control & display units connected to a host machine which makes it suitable for complex maneuvers
- Wi-Fi video transfer
- User friendly, easy to operate
- Different palette options for the image display make it easier to detect and identify targets in different circumstances

Model	IR5210A	IR5210B
Infrared Thermal Imaging Camera		
Detector Type	320×256, 30μm, Cooled	640×512, 15μm, Cooled
Spectral Range	3 ~ 5μm	
Focus	30mm ~ 240mm continues	
FOV	18.2°×14.6° ~ 2.3°×1.8°(±5%)	
Visible Camera		
Focus	3.63°×2.86°(±5%)	
Resolution	1920×1080	
Function		
Position Accuracy	≤10m (GPS、 BDS optional)	
Orientation Accuracy	±0.5° (Root Mean Square)	
Ranging	Eye-safe laser range finder, Maximum measuring range for a typical target of 2.3m×2.3m:6Km, For building: 10km	
Range Accuracy	≤±5m	
Wi-Fi	Transfer digital video with Wi-Fi	
Image		
Image Enhancement	Auto image filtering and sharpening	
Brightness/Contrast	Auto/Manual	
Polarity	White-hot, Black-hot, Red-hot, Green-hot, Rainbow, High contrast Rainbow, Blue-red, Amber	
Digital Zoom	2X	
Video Storage	Built-in 16G SD card , no less than 9000 compress pictures (JPG) and no less than 2h video (AVI)	
View Finder	OLED 1280×1024 , dioptry adjustment	
Interface		
Electrical Interface	power、 video PAL (NTSC can customizable) 、 communication Rs232、 Wi-Fi、 USB、 built-in GPS (external connection)	
Mechanical Interface	1/4 inch standard interface	
Power		
Power Input	12V power adapter or 18650 battery, voltage input range12V-32V	
Working Time	≥4h (do not change battery)	
Environment Parameters		
Working Temperature	- 40℃ ~ 60℃ (Except for display equipment)	
Encapsulation	IP67	
Electromagnetic Compatibility	GJB 151A-97	
Physical Characteristics		
Weight	≤3.7kg (including battery)	
Size	≤315mm×250mm×118mm	

