



IR5210 Series

Multi-functional Cooled Portable Thermal Imager



Introduce

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.

Application

Border Security / Law Enforcement / Patrol / Mission / Target Search

Features and Benefits

- 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

Specifications

	IR5210A		IR5210B	
Infrared Thermal Imaging Camera				
Detector Resolution	320×256 , 30μm		640×512 , 15μm	
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			
Working Range	Detection Range		Recognition Range	
1.8m×0.5m Human	>6km	>2km	>8km	>4km
2.3m×2.3m Vehicle	>9km	>4km	>13km	>7km
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			
Attention : The working condition is: visibility, no less than 15km;humidity, no more than 80%;and the target with background temperature difference, no less than 4℃.				

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