

MULTI-FUNCTION PORTABLE COOLED THERMAL BINOCULAR



Key features

- High resolution thermal imager, high resolution visual camera. Work all day, see through glare;
- GPS, electrical compass, eye-safe laser range finder;
- Wi-Fi video transfer
- 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;
- User friendly, easy to operate
- Different palette options for the image display make it easier to detect and identify targets in different circumstances.

Applications

This product is suitable for special forces such as public security, armed police, military, etc., to achieve effective observation of specific areas or targets around the clock, to quickly identify, identify and track the target; also applicable to water conservancy, fire, electricity and petroleum industries, to achieve Day and night monitoring of specific areas or equipment.

Specifications

Item	Main technical data				Remark
Working Range	Human(1.8m×0.5m)		Vehicle(2.3m×2.3m)		
	Detection Range	>8.0km	>13.0km		
	Recognition Range	>4.0km	>7.0km		
Infrared Thermal Imaging Camera	Focus	30mm~240mm continues			
	FOV	18.2°x14.6°~2.3°x1.8°			
	Detector Type	HgCdTe			
	Array Size	640x512,15um and 320x256, 15um			
	Spectral Response	3~5μm			
	NETD	≤25mK			@F1.0,300K
	Frame rate	50Hz			
Visible Camera	Focus	6mm~216mm continues; x36 optical zoom;x32 digital zoom;			
	Angle of View(D,H,V)	Wide	63.31°	56.5°	33.63°
		tele	2.44°	2.12°	1.19°
	Image Sensor	1/2'Sony IMX385LQR-C CMOS Sensor			
	Pixel size	3.5um			
	Active Pixels	1920x1080			
	S/N Ratio	More than 50dB			
Frame Rate	50Hz				

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Item	Main technical data		Remark
Image Video Management	Display Type	0.6"Color OLED screen/800 x600 pixels	
	Oled Resolution	1024x768	
	Image Polarity	White hot, Black hot & Pseudo-colour	
	Brightness	Adjustable via Menu	
	Contrast	Adjustable via Menu	
	DDE	Adjustable via Menu	
	Calibration	Auto and Manual Supported	
Laser Range Finder	Eye Safety	Class 1, eye-safe	
	Wavelength	1550nm	
	Vehicle-size NATO target, 2.3 x2.3m	8km	
	Human-size NATO target, 1.0m x1.0m	3km	
	Distance measurement accuracy(m)	±1m	
GPS	Accuracy	±5m	
Compass	Azimuth accuracy	≤0.5°	
	angle of pitch accuracy	≤0.3°	
WIFI	Buti-in		
Target location	accuracy	±10m(<1km), ±20m(1km ~2.5km)	
Video Storage	Built-in 32 GB SD card, no less than 9000 compress picture(JPG) and no less than 2h video(AVI)		
Power	Continuous working time	>6h	
	Power input	DC12V adapter, voltage input range 12V~32V	
Interface (LEMO connector)	Power	DC12V adapter	
	Video out	VGA	
	Data	USB2.0	
	Control interface	RS232	
Environment Parameters	Working Temperature	-40°C+60°C	
	Encapsulation	IP67	
Physical Characteristics	Weight	<3.6kg	
	Size	360mm×232mm×115mm	

Drawing size

