



IR510 Nano Series

Handheld Thermal Imager



Introduce

It's time to upgrade your IR510 series. Connected to mobile APP via Wi-Fi, the new IR510 series can be remote controlled to display synchronously, take photos and videos. Compared with the last version, it provides superior image, longer detection range and advanced algorithm, helping to pick up the targets.

Application

Hunting / Law enforcement / Outdoor / Patrol / Search & Rescue / Personal Security

Features and Benefits

- Wi-Fi for remote control, to display synchronously, take photos and videos
- Imaging better, detect further, highlight the target easier
- Easy operation with only three buttons. Silent and lightproof design to prevent exposure
- Built-in battery life up to 5h, external power supply available
- Illuminator or laser pointer or neither
- IP66 protection and 1m drop test passed to suit the wild

Specifications

	IR510 N1	IR510 N1 WIFI	IR510 N2	IR510 N2 WIFI
Detector				
Detector Type	400×300@17μm			
Spectral Range	8μm~14μm			
Lens				
Focus	19mm		25mm	
Focusing	free		Manual	
FOV	19.0°×14.5°		14.6°×11.1°	
Screen	Colorful 0.2"LCOS			
Viewfinder	Monocular, diopter adjustable±4			
Image				
Frame	50Hz			
Digital Zoom	×2, ×4			
Color Palette	Black hot, white hot, red hot 1, red hot 2, red hot 3			
Functions				
Photograph	×	×	×	×
Additional functions	Illuminator or laser pointer or neither	Illuminator or laser pointer or neither	Illuminator or laser pointer or neither	Illuminator or laser pointer or neither
Cross cursor	√	√	√	√
Image enhancement	×	√	×	√
Wi-Fi	×	√	×	√
Zoom	√	√	√	√
Freeze	√	×	√	×
Charging indicator	√	√	√	√
Active indicator	√	√	×	√
Power				
Battery	Internal Li-ion battery,3.7V,3200mAh			
Working Time	≥5h			
Adapter	Standard USB power adapter, max 10W			
Interface				
USB	Charging			
Video Output	MCX Connector,PAL/NTSC			
Environment Characteristics				
Working Temperature	-10°C~50°C			
Storage Temperature	-30°C~60°C			
Humidity	10%~95%			
Shock	10Hz~150Hz~10Hz 0.15mm IEC60068-2-6			
Encapsulation	IP66			
Drop	1m drop		N/A	
Physical Parameter				
Weight	350g		375g	
Size	160mm×67mm×62mm		168mm×67mm×62mm	
Package				
Standard accessories	thermal imager/ power adapter/ USB cable/ video cable /lens cap/ wrist strap/ shoulder strap/ soft drawstring bag/ user manual			
Optional accessories	N/A		40mm extender lens (FOV:9.3°×7.0°)	
Detection Range				
Human : 1.8m×0.5m	500m		700m	
Vehicle : 2.3m×2.3m	1300m		1700m	
Recognition Range				
Human : 1.8m×0.5m	300m		350m	
Vehicle : 2.3m×2.3m	500m		700m	

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