

A person wearing a camouflage cap and jacket is looking through a pair of binoculars. The background shows a green field and trees under a clear blue sky. The binoculars are a silver and black model with multiple lenses and controls.

FIRA
— VISION —

HANDHELD SURVEILLANCE

VIPER IR+LRF Multifunctional Binocular

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IR+LRF Multifunctional Binocular

- Provides a crisp and clear thermal image for target identification
- Built-in GPS, DMC and LRF provides accurate range to target as well as precise location
- Suitable for a wide range of night views, law enforcement, surveillance & security and environmental mapping applications



SPECIFICATION		
Items	Specification	
Thermal Imaging	Detector Type	Uncooled Microbolometer
	Resolution	640×512
	Pitch Size	12 μm
	NETD	≤ 40 mK
	FOV	> 11.6° × 8.7°
Laser Rangefinder	Wave Band	905 nm
	Ranging Capability	10m ~ 1.5Km (Vehicle)
	Ranging Accuracy	± 2m
Laser Indicator	Laser	520nm 30mW
Positioning Accuracy	Self-positioning	5m (CEP), 10m (PE)
	Target Positioning	≤ 20m @ 1 Km
Digital Compass	Accuracy	1° (RMS)
	Angle Accuracy	0.5° (RMS), pitch/roll angle
Display	Eyepiece	1920×1080 OLED, binocular
	Diopter	-5 ~ +5
Storage	Memory Size	32GB ~ 256GB
	Capacity	Video ≥ 4 h; BMP snapshots ≥ 10 K pics
Power Supply	Batteries	ICR 18650, 4 each
	Battery Life	≥ 8 h
Interfaces	Data	Standard USB
	Video Output	PAL
	Communication	Rs232
	Power Supply	12V (±3V)
	WiFi	Video transmission and control
Physical	Dimensions	182mm×165mm×75mm (L×W×H)
	Weight	1.2 kg (battery excluded)
	Encapsulation	IP67
	Working Temp	-40°C ~ +60°C
	Storage Temp	-45°C ~ +70°C
Optional	Meteorological measurement/ballistic calculation (customized)	

