FiRA VISION

MP5-U
IR 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

Item		Specification
Thermal Imaging	Detector Type	Uncooled Microbolometer
	Resolution	640×512
	Pitch Size	12 μm
	NETD	≤ 25 mK
	Frame Rate	50Hz
	FOV	> 8.8° × 6.6°, Up to 15X Zoom
	Color Palettes	Up to 12 Palettes
	WIFI	Video transmission and control via Android App
	GPS	5m(CEP), 10m (PE)
	PIP	Support Picture in Picture
	Focus	Auto/Motorized
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	256GB
	Capacity	Video ≥4 h; BMP snapshots ≥10 K pics
Power Supply	Batteries	ICR 18650, 4 each
	Battery Life	≥6 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 kg (battery excluded)
	Encapsulation	IP67
	Working Temp	-40°C ~ +60°C
	Storage Temp	-45°C ~ +70°C
Optional		Meteorological measurement/ballistic calculation (customized)

Identifcation 1200m
Recognition 2400m
Identifcation 2800m
Recognition 5600m

Human target 1.7mx0.5m
Vehicle target 4.6mx2.3m

0   400m   800m 1200m 1600m 2000m 2400m 2800m 3200m 3600m 4000m   6000m