

FFU6313B Technical Specification

V1.0

FFU6313B is a binocular handheld fusion binoculars (hereinafter referred to as "fusion binoculars"), in day and night conditions, to detect hidden, camouflaged and confused targets; can be applied to public security, armed police, security, security, maritime, anti-drug, fire and border sea defense and other fields.

Infrared detector and lens	
resolution	640×512
pixel pitch	12 μ m
NETD	≤50mK@25℃
Working band	8 μ m~14 μ m
Frame frequency	25Hz
focal length	26.7mm
Polyfocal	Manual
Microlens (CCD) and lens	
resolution	800×600
pixel pitch	18 μ m
Frame rate	25Hz
focal length	49.5 mm
Polyfocal	Manual
Image display	
Display screen	0.39" OLED, resolution 1024×768
Electronic magnification	2x
Image adjustment	Target identification, brightness, contrast, the Auto/manual shutter correction, polarity, image magnification
Fusion detection recognition distance	
Detection distance	Personnel (1.7×0.5m): 1200m
	Vehicle (2.3m): 1700m
Identification distance	Person (1.7×0.5m): 400m
	Vehicle (2.3m): 560m
Document storage	
Image storage	BMP file storage
Video storage	AVI video file storage
Memory Card	32G TF card
Interface	
Video Output	Q9

Data Interface	USB
Serial port	RS232
Tripod Mount	Standard, 1/4 inch
Other	
Viewing angle adjustment range	-4 to +4 diopter
Orientation	Electronic compass
Positioning	BeiDou or GPS
Wireless transmission	WIFI
PSU	
Battery	4 x 18650 rechargeable lithium batteries
Start-up time	Approx. 10 seconds
Environmental adaptability	
Operating temperature	-40°C ~ +50°C
Storage temperature	-45°C ~ +60°C
Protection level	IP67
Whole machine	
Weight	≤1.3kg (including 4 x 18650 lithium batteries)
Dimension	195(L) × 175(W) × 75(H) mm