

Eagle30

Thermal Imaging Sight

Eagle30 is a thermal weapon sight which is widely used for law enforcement. It can detect heat of any targets against cooler background during day or night, especially in severe conditions such as total darkness, haze, dust, sleet, forest, grass, disguise and so on.

Features

Pixel pitch 17 μ m, NETD \leq 70mK

50Hz instant imaging, 3s start-up

35mm, 50mm and 75mm lenses for option

AMOLED SVGA 800 \times 600

Polarity control(black hot/white hot)

Applications

Law enforcement

Targeting systems

Defense systems



Technical Specifications

Item	Eagle 30		
Detector Data			
Type	Uncooled FPA		
Material	aSi		
IR resolution	384×288		
Pixel pitch	17μm		
Spectral range	8 ~ 14μm		
NETD/Sensitivity	≤70mK		
Lens Data			
FOV/Focal distance	10.6°×8.0°/35mm	7.5°×5.5°/50mm	5.0°×3.75°/75mm
Recognition distance(Vehicle)	950m	1200m	1600m
Recognition distance(Human)	320m	420m	600m
F	F 1.0		
Eye relief	50mm		
Diopter	-5~+5		
Image Performance			
Display	800×600 OLED		
Frequency	50Hz		
Zoom	2X		
Polarity/LUT mode	Black hot/White hot		
Reticle color	White/Black/Red/Green(optional)		
Reticle type	5 reticle types(customizable)		
Startup time	3s		
Contrast/Brightness	Auto/Manual		
Interfaces			
Format	Waterproof aviation plug		
Picatinny rail	MIL-STD 1913		
Video output	PAL		
Power System			
Battery type	2pcs CR123A battery		
Operating time	≥4hour		
Environment Parameters			
Operating temperature range	-30°C ~ +60°C		
Storage temperature range	-40°C ~ +70°C		
Encapsulation	IP67		
Vibration	MIL-STD-810F		
Shock	MIL-STD-810F		
Physical Data			
Size(without eyepiece)	156mm×61mm×66mm(with 35mm lens)		
	186mm×70mm×70mm(with 50mm lens)		
	210mm×86mm×86mm(with 75mm lens)		
Weight(with battery)	560g(with 35mm lens)		
	720g(with 50mm lens)		
	880g(with 75mm lens)		
Packing			
Standard	Thermal imaging sight, 4pcs CR123A batteries, Picatinny rail, Picatinny quick release interface. Composite output cable. Warranty card. User manual. Certificate.		
Option	5V power adapter		