

Wolf320 | Wolf640

Cooled Multifunctional Telescope

Wolf320|Wolf640 are composed of cooled infrared thermal imaging components, high-definition visible light, GPS, electronic compass and eye-safe laser ranging module. Equipped with 6X infrared continuous zoom lens and 10X visible light continuous zoom lens, the imaging quality is excellent; the design is compact and lightweight, and the HMI is friendly. The telescope can easily measure and locate the target, greatly improve the effectiveness of 24h reconnaissance and provide rich reconnaissance information.

Features

High resolution infrared + high definition visible light, work all day, anti-strong light interference, strong concealment

GPS+ electronic compass + eye-safe laser rangefinder, accurately locate the target

High-definition binocular OLED, 1280×1024

Built-in WIFI module, wireless video transmission and control

Friendly HMI, easy operation

Applications

Law enforcement

Search and rescue

Reconnaissance

Patrol



Technical Specifications

Item	Wolf320	Wolf640
Thermal imaging performance		
Type	MCT Cooled	
Resolution	320×256	640×512
Pixel pitch	30um	15um
Spectral range	3~5μm	
NETD/Sensitivity	≤20mK	≤25mK
Focal length	40mm~240mm continuous zoom	
FOV	13.7° × 10.8°~2.3° × 1.8° (±5%)	
Focusing	Electric focus/auto focus	
Visible light performance		
Resolution	1440×1080	
Focal length	18mm~180mm continuous zoom	
FOV	17.1° × 12.8° ~ 1.7° × 1.3°	
Minimum illumination	0.001Lux	
Positioning function		
GPS	Accuracy (RMS): Lng&Lat: 5m, elevation: 10m	
Electronic compass	Accuracy, pan: ±0.6°, tilt: ±0.3°	
Laser Ranging finder	Wavelength 1550nm (eye safety)	
	Range 20m~5Km 3Km (2.3mx2.3m vehicle)	Range 50m~10Km 6Km (2.3mx2.3m vehicle)
	Accuracy, ±2m	
Target Location	≤30m(8Km)	
Image function		
Display	Binocular OLED, 1280×1024, adjustable diopter	
Image enhancement	DDE, image filtering	
Polarity/LUT mode	Black hot/White hot	
Contrast/Brightness	Auto/Manual adjustable	
Electronic Zoom	1×, 2×, 4×	
Storage	Built-in 32GB storage	
WIFI	Built-in WIFI, video transmission and control	
Interface		

Power interface	Yes	
Video output	PAL	
Communication Interface	RS232	
Data interface	USB2.0	
Power System		
Battery type	Rechargeable lithium battery	
Operating time	>5h continuous (normal temperature)	
External power	DC:12V~30V	
Environment Parameters		
Operating temperature range	-40°C~+60°C	
Storage temperature range	-45°C~+70°C	
Encapsulation	IP67	
Physical data		
Size (without eye mask)	320mm×232mm×115mm	299mm×219mm×112mm
Weight (with battery)	≤4.0Kg	≤3.6Kg
Operating distance		
Detect human(1.7m×0.5m)	4Km	8Km
Recognize human(1.7m×0.5m)	1.3Km	2.5Km
Detect vehicle(2.3m×2.3m)	9Km	13Km
Recognize vehicle(2.3m×2.3m)	3Km	5Km
Standard		
Standard	Infrared thermal imaging telescope, 8 batteries, charger, control line, warranty card, user manual, certificate, transportation box	