

# D-FENS



DF-BT50

**Military long Range**

Thermal Binocular



## long detection range

Detection range of human: 3000m

Recognition range of human: 1200m

Detection range of vehicle: 5000m

Recognition range of vehicle: 2000m



Digital

**x2x4** Digital E-zoom

**Waterproof**  
**IP66** encapsulation  
(IP67 Optional)



**<1.1 kg**  
Include Battery



**D-FENS**



## 50hz Frame Rate

Real time display  
and high thermal sensitivity



## 384\*288px @12um Video Storage

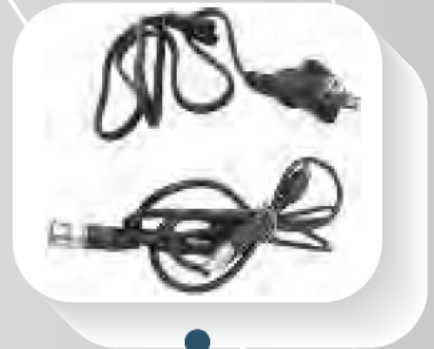
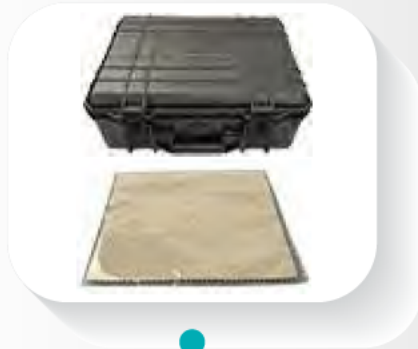
High resolution display with  
LCOS screen(OLED Optional)



Tripod



# what's in the box



- Strap **x1**
- Battery charger **x1**
- Battery charger cable **x1**
- Video output cable **x1**
- Safety box **x1**
- Cleaning cloth **x1**

# Package & Shipping



# Specification

## Main Parameter

Detector type	Uncooled microbolometer
Resolution	384*288px@12um
Spectral range	8~14μm
Frame rate	50Hz
NETD	<50mK
Micro display	800x600 QLED binocular display

## Control Function

Image Polarity	White hot/black hot/Multiple Color Modes
Image Process	Digital filtering
E-Zoom	2X/4X
Display Control	Brightness/ Contrast/Auto Mode
Video Record	Taking Picture/Recording Video/ Storage

## Optical Parameter

Focal Length	50mm/Fl.O
Field of View	5.3°x4.4° (HxV)
Focusing Method	Manual

## Video Recording and Storage

Storage Format	MPEG4
Storage	Built in 32Gb
Output Interface	USB2.0

## Observation Distance

Human

Detection: 3.0km Recognition: 1.2km

Vehicle

Detection: 5.0km Recognition: 2km

## Power Parameter

Power

Rechargeable lithium battery 3.7V  
@ 5000mAH

Operating hours

Continuous working time, 2:6hours  
(@20°C)

## Environmental parameters

Seal standard

IP66

Operating Temperature

-30°C~+60°C (OLED)

Storage Temperature

-40°C~+10°C(OLED)

Humidity

5%~95%

## Physical parameters

Product Weight

1.1kg ( Battery Including)

Dimension (mm)

220(L)x170(W)x65(H)

**CONTACT US**

**D-FENS**



43-1790 FINCH AVE.  
PICKERING, ONTARIO CANADA L1V 0A1



sales@d-fens.ca



www.d-fens.ca