

## FTB640L

### Fusion Thermal Binocular with Laser Range finder & Positioning System



#### Description

FTB640L is composed of low light CMOS sensor and IR sensor for day and night surveillance. With OLED display and metal housing, it is a military standard thermal binocular for border defense, law enforcement and other military tasks. It is built with the laser range finder and GPS, who can locate the target in long distance.

It can be used in all the weather (including fog, smog, rain, snow). Its fusion detection can outstand the targets, by which the target can be identified easily. It can record (video and picture-taking) the target after it is identified. Therefore, it can be widely used for patrol, law enforcement, rescue, search of drug dealers and criminals, etc.



## Features:

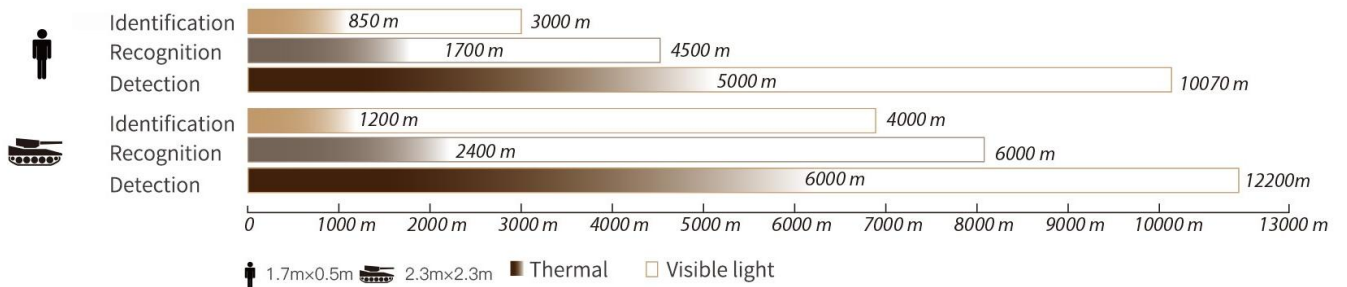
1. Fusion thermal
2. GPS & Compass
3. Low light CMOS camera
4. OLED display & WIFI
5. Laser range finder
6. Motorized focus

## Specification:

<b>Visible light sensor</b>	Low light CMOS sensor	
<b>Resolution</b>	1280x768	
<b>Pitch</b>	6 $\mu$ m $\times$ 6 $\mu$ m	
<b>Wave length</b>	350~1000nm	
<b>Focus length</b>	35mm	
<b>FOV</b>	11 $^{\circ}$ $\times$ 8.6 $^{\circ}$	
<b>IR sensor</b>	uncooled	
<b>IR Resolution</b>	640X512	
<b>Pitch</b>	12 $\mu$ m	
<b>Spectrum</b>	8-14 $\mu$ m	
<b>LRF</b>	2KM (905nm)	6KM (1535nm)
<b>NETD</b>	<40mk @f/1.0	
<b>Frame rate</b>	50HZ	
<b>Focus length</b>	50mm f/1.0 motorized lens	
<b>FOV</b>	7.4 $^{\circ}$ $\times$ 5.6 $^{\circ}$	
<b>Display</b>	0.5 Inch,OLED, 800x600	
<b>Image mode</b>	6	
<b>Optical magnification</b>	5X	
<b>Zoom</b>	1X,2X,3X,4X	
<b>Storage</b>	Built-in 64G	

<b>Compass &amp;GPS</b>	Yes
<b>WIFI</b>	Real time image transfer
<b>Battery</b>	4 pcs of 18650 battery
<b>Working hours</b>	≥8 hours
<b>Working temperature</b>	-40°C to+60°C
<b>Storage temperature</b>	-40°C to+60°C
<b>Waterproof</b>	IP67
<b>Weight</b>	<1.65kg (without battery )
<b>Dimension</b>	180mmx178mmx93mm
<b>Brightness adjustment</b>	Manual / automatic
<b>Video</b>	Avi format / PAL
<b>Photos</b>	JPEG
<b>Port for cable</b>	Data, power, BNC

## Distance:



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