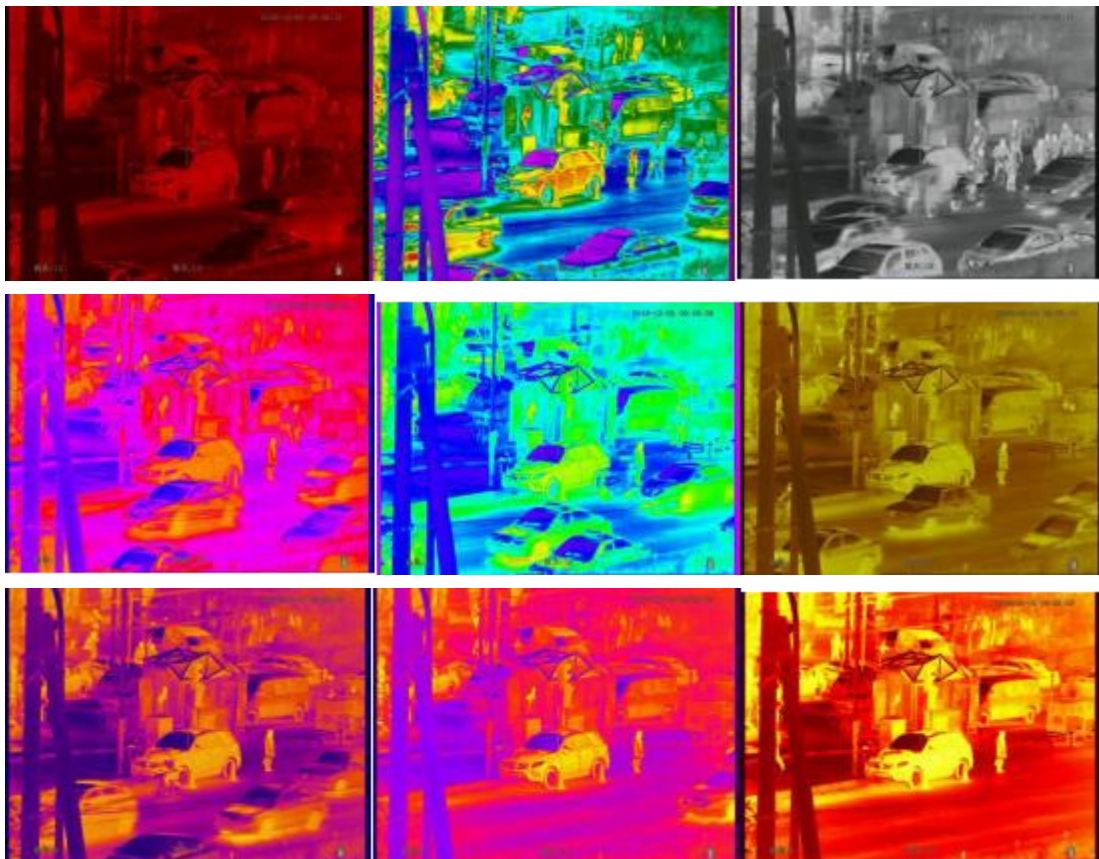# TB675 Handheld Thermal Binocular

The Thermal Binocular was designed for discovering the target under camouflage in the environment weather like smoke, fog, rain, snow, etc... It can be used in patrol, law enforcement, search and rescue, anti-drug and anti-smuggling, etc...
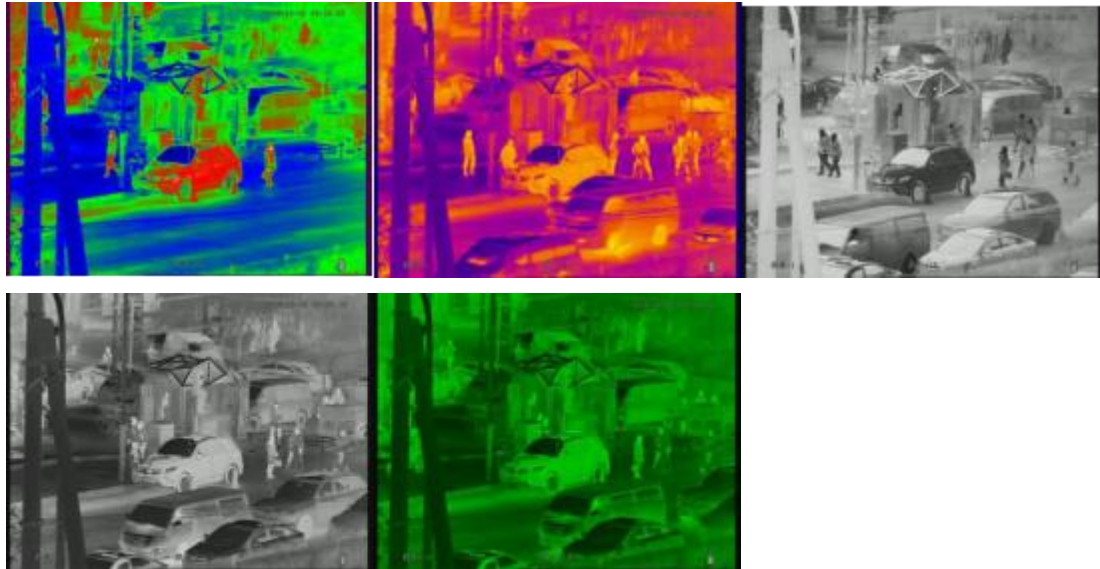
Features:

1. Detection (Human):   2000m;   Identification: 900m;

2. 75 mm lens, 50 HZ

3. Long distance

4. Sensor resolution 640x512, OLED Display 1024x768;

5. Recording

14 kinds of thermal colors are designed for different surveillance purpose.

Specifications：

Detector type	VOX UFPA
Resolution	640x512
Pixel size	12μm
Frequency	50Hz
Response wave band	7.5~13.5μm
NETD	<35mk @f/1.0
Lens	75mm
Focal length	75mm f/1.0
Field of view	5.4°×4.1°
Image enhancement	Automatic image filtering and sharpening
DDE range	1~32
Brightness & contrast	Automatic or manual adjustment
Image mode	Black/white/color etc.**14 kinds**
Reticle	9 kinds of color
Magnification	1x,2x,3x,4x
Memory	Built in 16G SD card
Eyepiece	OLED 1024x768 Adjustable FOV
Rechargeable battery	14.8V 8800mAh
Power dissipation	6W
Continuous working time	> 6h
Video	PAL
USB	Transferring pictures and videos
Serial port	RS232 ，for commissioning
Power supply	DC12V 1A
Working temperature	-40℃ ~ +60℃
Storage temperature	-45℃ ~ +65℃
Shock	≤30g
IP	66
Size	225mm×183mm×90mm(with eye guard)
Weight	1.5kg （without battery, hand strap）
Human Detection	minimum 2000 m
Human Recognition	minimum 1000 m
Vehicle Detection	Minimum 4000m
Vehicle recognition	Minimum 2500m