DLF800IRC Thermographic IR Camera

Designed to be in 4 modes: thermal, fusion, visible light, picture in picture.

By thermal mode, the people behind the fog can be searched and rescued; By Fusion, more details or relative location of the human behind the fire can be shown; the picture taken under the visible light will more easily capture these exit, fire hydrants in fire disaster and other objects which the thermal cannot detect; By picture in picture, more information can be shown at the same time for quick judgement and decision in rescue.
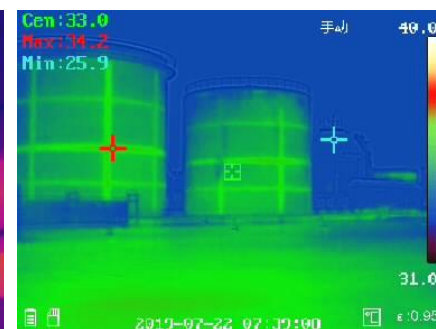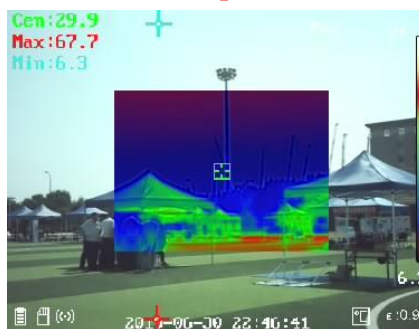
People's eye   # Fusion   **Thermal**

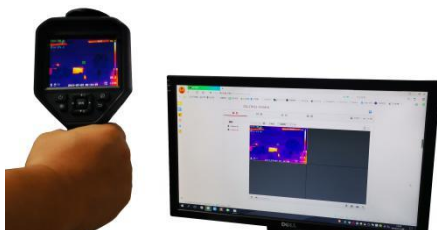**Picture in picture**   **IR color**

Feature：

1. 4 modes: thermal, fusion, visible light, picture in picture；

2. In thermal mode, there are 21 kinds of IR color (white hot, black hot, red hot，iron red, green hot, etc) for different surroundings;

3. Warning of the preset temperature (max, min, interval);

4. Touch screen;

5. Automatic or manual adjustment of contrast;

6. laser pointer to indicate the location of the human behind the fire;

7. Temperature measured range is -20℃--+550℃;

8. Two options for temperature: -20℃--+150℃ and +100℃-+550℃;

9. Emissivity: 0.01-1.00; quick selection for human skin, cable,cement or concrete, pottery, painting,rubber, woods, soil, sand, bricks, papers, etc;

10. Measure the temperature distance: 0-999 meters;

11. Measure the temperature of the target in FRAME which can be set by touching the screen; there can be max, min and average temperature in the frame;

12. Measure the temperature of the target by LINE which can be set by the touching screen, there can be max, min and average temperature in the line;

13. Auto tracking the max and min temperature and show them on the left;

14. Set the point for measuring the temperature and 10 points can be set at the same time;

15. All these temperature can be deleted quickly by touch;

16. The picture can be edited, texted manually in the device;

17. Distance of fusion can be preset: 1m, 2m, 4m, ＞5m;

18. The ratio of the picture in picture can be % 35-70%;

19. The sound warning can be switched on or off;

20. CVBS out put;

21. The trigger behind can work as the button for taking picture or recording the video;

22. The flashlight can be switched on when taking the picture;

23. High, medium, low brightness adjustment;

24. Degree centigrade, Fahrenheit degree, Kelvin;

25. Inch and meters can be selected;

26. Time and date can be set;

27. Built-in illuminator in visible light；

28. Automatic switching off in preset time: 10/20/30/40/50/60 minutes;

29. WIFI for connecting the other smart devices (APP)   and it can work as the 4G tansmiter to connect with other computer (phone) for real time transmission;

31. Bluetooth for transferring the sound document to other device；

Trigger
For taking the picture and record the video

Battery

Specification:

Thermal	Sensor	VOX			
	Resolution	384 × 288			
	Spectrum	8～14μm			
	NETD	< 50mk(@25°C,F#=1.0)			
	Focus length	15mm	7.5mm	30mm	50mm
	MRAD	1.13	2.27	0.57	0.34
	FOV	25°× 19°	47°× 34°	12°× 9°	8°× 2°
	F number	F1.0			
	Zoom	1X,2X,4X			
	Frame rate	60HZ			
Visible	3.20 mega pixel，CMOS，Built-in LED illuminator				
Display	Display	3.5"TFT color LCD，640×480 touch screen			
	Image color	21IR color			
	Mode	Thermal, visible, fusion, picture in picture			
System	Temperature measuring	-20°C～1500°C			
	Accuracy	±2°C or ±2%,			
	Laser pointer	Indicating the location of target			
	memory	64G			
	recording	yes			
	Flash light	yes			
	WIFI	yes			
	Bluetooth	yes			
	AP hot point	yes			
	Text note	yes			
	Voice	60 second voice recording and saved with picture			
Battery	Battery	Lithium battery (2 pieces)			
	Working time	4 continuous hours			
	Charger	Smart charger (AC adaptor or vehicle 12V)			
Port	Port	Micro USB, SD slot			
	Working temperature	-20～50°C			
	Protection	IP66			
	Drop proof	2m			
	Dimension(L x W x H)	245×100×105mm			

	Weight	680g
	Accessory	charger, SD card, data cable, suitcase

Picture of rechargeable Battery:

Charging