

High-temperature resistant thermal imaging shield

This high-temperature resistant infrared observation protective barrier integrates infrared imaging and a high-temperature resistant protective structure. It features a 384×288 resolution infrared detection component and a 5-megapixel visible light camera unit, supporting infrared and visible light image fusion and picture-in-picture display. It is equipped with a 3.5-inch high-definition display screen and built-in laser ranging and orientation sensing modules. The equipment effectively improves on-site operational efficiency and is widely applicable to emergency rescue, industrial inspection, power line inspection, chemical and energy industries, forest fire prevention, ecological animal protection, shipping, security surveying, outdoor exploration, scientific research experiments, and other scenarios.



JH-THERMAL-SHIELD

High-temperature Resistant Thermal Imaging Shield

IR	Detector	Uncooled FPA
	Resolution	384x288
	Work band	7.5~14um
	NETD	≤40mk(@25℃ , F#=1.0)
	Focal length	13mm
	IFOV	1.31mrad
	FOV	28° x21°
	F number	F1.0
	Digital magnification	1x;2x;4x
	Frame rate	60Hz
TV camera module	CMOS; 5 megapixels	
Screen	Screen	3.5inch, coloring LCD,800x600 pixels
	Display	It features 12 image modes, including black heat (basic), white heat (environmental monitoring), rainbow (firefighting), ice heat (fire situation), red highlighting of hotspot areas (fire), fusion (missing persons), and picture-in-picture (search and rescue).
System	Temperature measuring	-40℃~2000℃
	Accuracy	±1℃ or ±1%
	Memory	64G
	Video and image taking	Yes
	Laser rangefinder	3~200m
	Wifi	Yes
	E-compass	Yes
	Dimension	800x500x10mm
	Weight	4750g

