

## External Infrared Thermal Imager

Model: IFR-G-640×512/384×288



### Product description

The external infrared thermal imager is applied to the night vision goggles of the airborne soldier helmet, which can be used in day, night and adverse weather conditions. It can also be used alone as a portable infrared observation mirror for airborne troops for battlefield observation and target search. The product is small in size, light in weight, low in power consumption and easy to operate.

### Technical indicators

Item category		Basic parameter
Detector	Detector type	Uncooled focal plane
	Pixel resolution	640×512/384×288
	Pixel size	17um
	Working band	8um-14um
	NETD	≤50mK
Image performance	Frame rate	50Hz
	Brightness and contrast adjustment	Automatic / Manual
	Thermal image working mode	Normal thermal imaging mode (default), target highlight mode, contour mode
	polarity switching	Manual
	Gain adjustment	Automatic gain: -16~+16, manual gain: 1-64
	Graphics processing	Image translation, image rotation, screenshot storage
Power supply	Power supply range	3V-3.5V
	Power consumption	≤0.8W
Interface	Power interface	4-pin socket
Physical properties	Weight	≤40g
Environmental characteristics	Operating temperature	-40℃~+60℃
	Storage temperature	-50℃~+70℃