36-800mm MWIR infrared System

Thermal imager lens diameter is 205mm, with 800mm~36mm focal length range of the whole continuous zoom function, high optical magnification, good image quality, optical system and imaging circuit suitable for 12μm pixel hd infrared detector, high sensitivity, light weight, small volume. The thermal imager is controlled by RS422 communication interface and control protocol, and has perfect function.

The thermal imager works in the mid-wave infrared band, and can search, observe and aim all kinds of targets such as natural scenery, personnel, vehicles, buildings and sea ships under the conditions of day and night. It has the advantages of high thermal sensitivity, long acting distance and high aiming accuracy.

Spectral Response	3.7μm～4.8μm
Detector	1280×1024@12μm
Cooling Mode	Stirling closed loop refrigeration
Weight	≤10 kg
FOV	24 ×19.2 ～1.1 ×0.88 ，Continuous zooming
Optical axis precision	≤2 pixel
Video out	60HZ；Camera Link；HD-SDI；
Main function	Image contrast/brightness, image black/white heat, image enhancement mode, field of view, auto focus, marking and status information, fast field of view switch, etc
Operating temperature	-45℃～+70℃

23-1050mm MWIR infrared System

Thermal imager lens diameter is 176mm, with 1050mm~23mm focal length range of the whole continuous zoom function, high optical magnification, good image quality, light weight, small volume. The optical system and imaging circuit are compatible with three detector array specifications and can output high-definition video signals. The thermal imager is controlled by RS422 communication interface and control protocol, and has perfect function.

The thermal imager works in the mid-wave infrared band, and can search, observe and aim all kinds of targets such as natural scenery, personnel, vehicles, buildings and ships on the sea under the condition of day and night. Thermal imager has the advantages of high thermal sensitivity, long acting distance and high aiming accuracy.

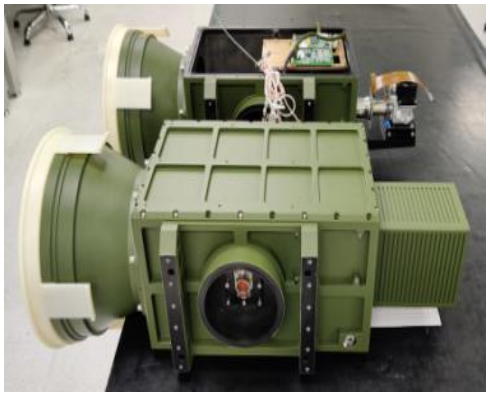
Spectral Response	**3.7μm～4.8μm**
Detector	**640×512@15μm/ 1024×768@10um/ 1280×1024@7.5μm**
Cooling Mode	Stirling closed loop refrigeration
Weight	**≤10 kg**
FOV	**24 ×19.2 ～0.53 ×0.44** ，Continuous zooming
Optical axis precision	**≤2** pixel
Video out	**60HZ；Camera Link, HD-SDI；**
Main function	Image contrast/brightness, image black/white heat, image enhancement mode, field of view, auto focus, marking and status information, fast field of view switch, etc
Operating temperature	**-45℃～+70℃**

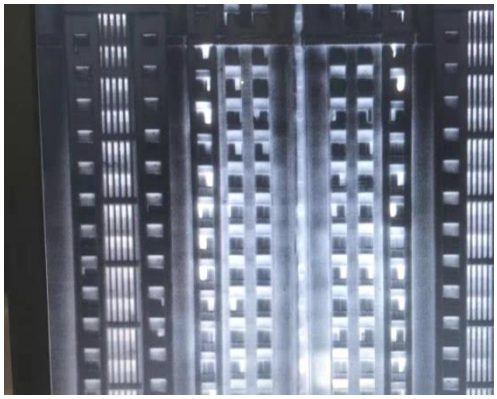
22-550mm MWIR infrared System

Thermal imager lens diameter is 160mm, with 550mm~22mm focal length range of the whole continuous zoom function, and both three fast field of view, high optical magnification, good image quality, light weight, small size. The thermal imager is controlled by RS422 communication interface and control protocol, and has perfect function. The product is compact in shape, small in size and light in weight.
The thermal imager works in the mid-wave infrared band, and can search, observe and aim all kinds of targets such as natural scenery, personnel, vehicles, buildings and sea ships under the conditions of day and night. It has the advantages of high thermal sensitivity, long acting distance and high aiming accuracy.

Spectral Response	**3.7μm～4.8μm**
Detector	**650×512@15μm**
Cooling Mode	Stirling closed loop refrigeration
Weight	**≤5.5 kg**
FOV	**24 ×19.2 ～1.0 ×0.8** Continuous zooming；**The view switches：Narrow FOV：1.0×0.8；Wide FOV：4.0×3.2；The navigation FOV：24.0 ×19.2**
Optical axis precision	**≤2** pixel
Video out	**60HZ；Camera Link；HD-SDI**
Main function	Image contrast/brightness, image black/white heat, image enhancement mode, field of view, auto focus, marking and status information, fast field of view switch, etc
Operating temperature	**-45℃～+70℃**

80-800mm MWIR infrared System





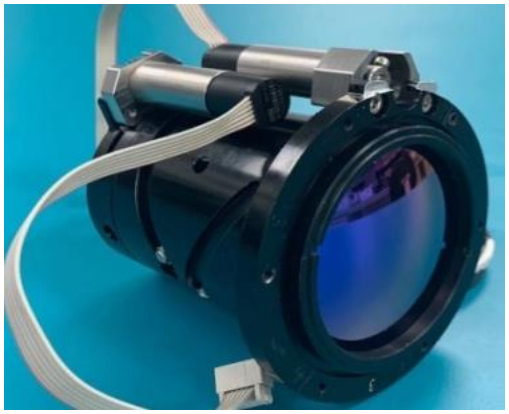
Thermal imager lens diameter is 275mm, with 800mm~80mm focal length range of the whole continuous zoom function, high optical magnification, good image quality, optical system and imaging circuit for 15 μ m pixel hd infrared detector, high sensitivity. The thermal imager is controlled by RS422 communication interface and control protocol, and has perfect function.

The thermal imager works in the mid-wave infrared band, and can search, observe and aim all kinds of targets such as natural scenery, personnel, vehicles, buildings and sea ships under the conditions of day and night. It has the advantages of high thermal sensitivity, long acting distance and high aiming accuracy.

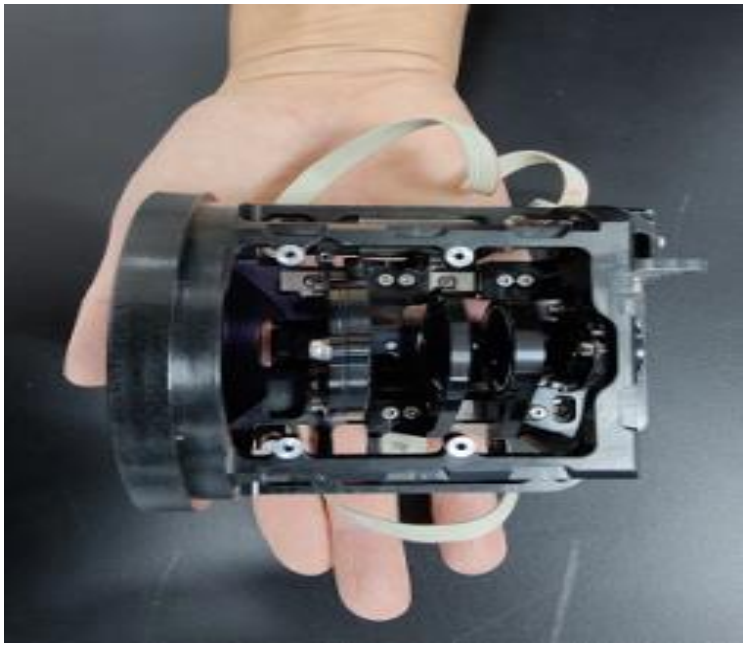
Spectral Response	**3.7μm～4.8μm**
Detector	**1280×1024@15μm**
Cooling Mode	Stirling closed loop refrigeration
Weight	**≤28.5 kg**
FOV	**13.75 ×11.0 ～1.38 ×1.1** ，Continuous zooming
Optical axis precision	**≤2** pixel
Video out	**60HZ；Camera Link；HD-SDI；**
Main function	Image contrast/brightness, image black/white heat, image enhancement mode, field of view, auto focus, marking and status information, fast field of view switch, etc
Operating temperature	**-45℃～+70℃**

15mm~160mm MWIR LENS 640×512,10um

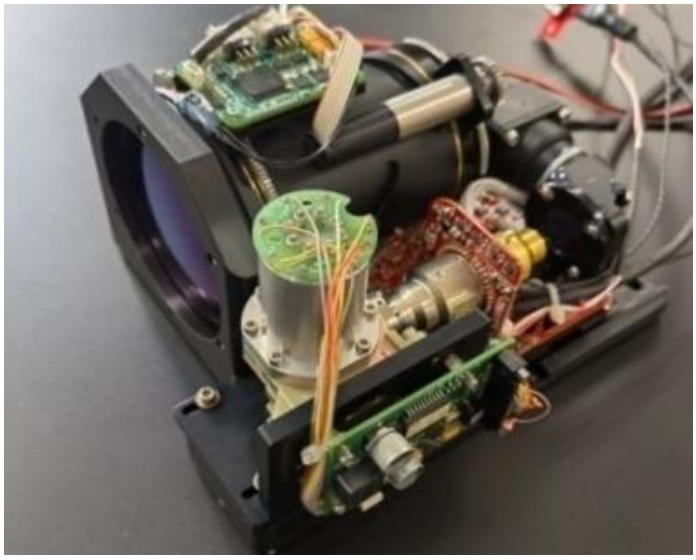
15mm~280mm MWIR LENS，640×512,15um



27.5mm~275mm MWIR LENS 640×512,15um，1024×768,10um



15mm~300mm MWIR LENS 640×512,15um1024×768,10um



45mm~240mm LWIR LENS 640×512,15um，1024×768,10um