



Phone number: +86 198 6182 0181

Whatsapp: +86 198 6182 0181

Address: 2000 ShunHua Street, Jinan's Free Trade Zone,
ShunTai Plaza building 7, 6th Floor #3rd room Southern Area
People Republic of China, ShanDong Province, Jinan City.

Compound Series: IR-19T

Dual spectrum High-Definition IR Payload



IR19T Introduction

The IR19T model is a high-resolution infrared camera equipped with an 8Mpx EO zoom camera (x10). Its thermal imaging resolution is 1280x1024 (400% times better than any existing IR Payload in the market). Suitable for different scenarios, from Photo-voltaic cells to transmission tower inspections, obtaining a more clear and precise thermal image from the target.

No problem is too big!

Thanks to its higher resolution, the IR19T allows broader and more complete inspections, covering a greater area than any traditional IR payload.

For example: the insulators on a transmission line of ±800kV are approximately 11m long. Using the traditional inspection, an operator might need to take several pictures to cover the whole line. Nevertheless, if the operator employs the ZQ solution, He could perform "one-shot" inspections, covering the entire transmission line with a single picture.

Advantages

Current infrared inspection systems employ resolutions below 640x512. However, This payload IR camera resolution is 1280x1024, being 400% better than any existing system. The user can perform inspections at greater distances and cover larger areas than with any other solution currently in the market.

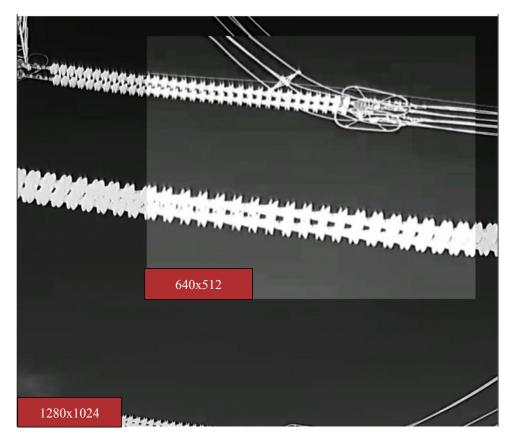


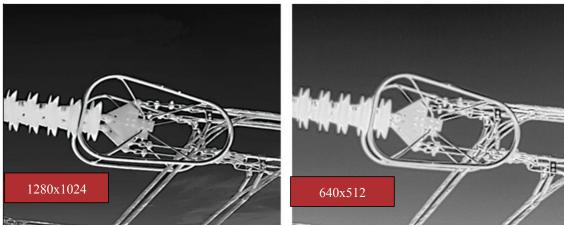


Characteristics

IR camera	
Resolution	1280x1040
FOV	44 ° × 35.8 °
Focal length	19mm
Spatial resolution	0.632mrad
Wavelength	8 μ m-14 μ m
Temperature measurement method	On point, on line, area analysis
EO camera	
Resolution	3264 × 2448
Effective pixels	8Мрх
Optical Zoom	10x
FOV	9 ° -52 °
Gimbal	
Stable system	3 Axis (bend and lift, transverse, translation)
Angle movement	± 0.01 °
Others	
Weight	870g
Protection rate	IP45







Pictures: Image quality comparison between the traditional IR inspection systems and the Compound series: IR9T and IR19T.

Post processing

The infrared information taken by the Compound series IR camera can be processed using the iRay IR analysis software. This software can analyze in detail each radiometric information quickly and efficiently.

