

Wuhan HTi160A Thermal Infrared Imager



I. Introduction

HTi160A Thermal infrared imager takes the advanced infrared detector with UFPA Uncooled focal plane and high-quality optical lenses as the core, combined with convenient operating system, leading ergonomic structure design and expansion accessories with perfect functions. It is an ideal temperature measurement tool with "clear imaging, accurate measurement, simple operation, and portable to carry" for applicable users. It is the optimum choice for on-site temperature detection, preventive maintenance and other application occasions.

II. Features

Advanced UFPA uncooled focal plane infrared detector.

III. Parameters

Resolution	160 × 120 pixels
Thermal sensitivity	0.08 °C @ 30°C
Accuracy	± 0.2% ± 2 digits (full range)
Spatial Resolution	2.2mrad
Focus way	Manual Focus
Palette	Six kinds (gulf red / anti gulf red / color red / Turacin Red / White Heat / black hot)
Working band	8-14um
Temperature range	20 °C to +300 °C (expandable to 1500 °C)
Measurement Accuracy	± 2% or 2 °C (take the maximum)
Operating ambient temperature	-15 °C to +50 °C
Storage Temperature	-40°C to +70°C
Humidity	95% RH (non- condensing)
Power Adapter	8V-11V DC output
Weight	< 500 g (including battery)
Dimension	170×160×80mm3