



## Acision HTC7200 Handheld Thermal Camera

The handheld thermography camera, specially designed for temperature measurement in transformer substation. It's equipped with a 160×120 resolution thermal detector. It helps the staff to quickly find the fault according to accurate temperature measurement of high temperature targets in the environment. Meanwhile it provides assistant decision and ensure safety. The device is mainly applied to various industries, such as Building, HVAC, and auto industry, etc.,

### Features:

- High sensitivity sensor with 160 x 120 resolution (detector)
- High quality 320 x 240 resolution 2.4" LCD display
- Up to 4 palettes
- Temperature measurement range: -20 to 550° C
- Temperature measurement accuracy: Up to  $\pm 2^{\circ}\text{C}$  or  $\pm 2\%$  \*Whichever is higher
- Long-distance laser light supplement for thermography targets
- Built-in rechargeable Li-ion battery
- Up to 8 hours continuous operation

### Specifications:

#### Applications:



#### Panel Inspection

#### Other applications:

- Building Inspection
- Circuit Panel
- Building Leaks
- Predictive Maintenance
- Over-heating of Machine

| Parameter      |                        | Handheld Thermography Camera   |
|----------------|------------------------|--|
| Thermal Module | Image sensor           | Uncooled Focal Plane Arrays  |
|                | Max. Resolution        | 160 × 120  |
|                | Pixel Pitch            | 17μm   |
|                | Response waveband      | 8μm to 14μm  |
|                | NETD                   | < 40mK (@ 25 °C, F#=1.0)   |
|                | Field of View          | 37.2° × 50°  |
|                | Focal length           | 3.1 mm   |
|                | IFOV (mrad)            | 5.48 mrad  |
|                | Min. Focus Length      | ≥ 150 mm   |
| Image Display  | Aperture               | F 1.1  |
|                | Monitor                | 320 × 240 resolution 2.4" LCD display  |
| Thermography   | Palettes               | Black hot, White hot, Rainbow, Ironbow                                       |
|                | Rules                  | 3 thermometry points: Max. Temperature; Min. Temperature; Center Temperature |
|                | Thermometry Range      | -20 °C to 550 °C (-4 °F to 1022 °F)  |
|                | Thermometry Accuracy   | Max ( $\pm 2^{\circ}\text{C}$ , $\pm 2\%$ ) *Whichever is higher             |
| Battery        | Thermometry Distance   | D:S = 75:1   |
|                | Battery Type           | Rechargeable Lithium Battery   |
| Functions      | Battery Operating Time | 8 hours continuous running   |
|                | Laser Light            | Support (Point to the thermography target)                                   |
|                | Storage                | Replaceable memory card (default 8G, support up to 128G storage)             |
|                | Photo                  | Thermal image  |
|                | Video                  | N.A.   |
|                | Language               | English  |
| General        | Power                  | 3.7 V DC/0.4 A   |
|                | Power Consumption      | Less than 1.2 W  |
|                | Hardware Interface     | micro USB  |
|                | Working Temperature    | -10 °C to 50 °C (14 °F to 122 °F)  |
|                | Protection level       | IP54   |
|                | Drop Test Height       | 2 m (6.56 feet)  |
|                | Dimension              | 196 mm × 117 mm × 59 mm (7.7 " × 4.6 " × 2.3 ")                              |
|                | Weight                 | Approx. less than 350 g (0.77 lb)  |
|                | Accessory              | Power Adaptor, USB cable, 8GB memory card, User manual, Disk, Wrist Strap    |

Contact your authorised distributor at: