

19200 Pixels

AT3B Thermal Imager

3.5' TFT color LCD screen | 160x120 Pixels



AT3B

AT3B thermal imaging camera is suitable for all kinds of fault prevention and maintenance testing. Its simple button navigation, imaging modes, measurement tools and saved JPEGS make the camera amazingly easy to operate. The camera is equipped with incredible 160X120 detector, 19200 pixels, offers a resolution to fit the target size, working distance, and detail required for your application as well as your budget.



160X120 infrared sensor



3.5" TFT color LCD screen



2-meter drop resistant, IP54 protection level



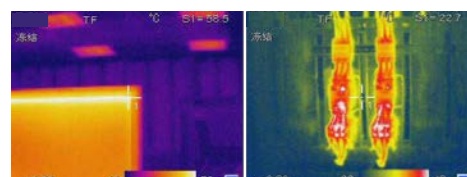
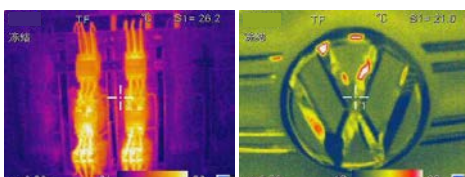
Measure more accurately



High sensitivity $\leq 0.06^{\circ}\text{C}$



Document your work with images



Parameter

| Item | | AT3B |
|--------------------------|--|--|
| Detector performance | Detector type | Uncooled focal plane thermal type |
| | Pixel | 160×120 |
| Image performance | Field of view/Minimum focus | 25°×19°/0.1m |
| | Spatial resolution | 2.72mrad |
| | Heat sensitivity | ≤0.06°C@30°C |
| | Frame frequency | 50/60Hz |
| | Focus | Manual focus |
| | Wavelength range | 8-14um |
| Image display | LCD screen | 3.5" TFT color LCD , 640×480 pixel |
| | Palette | 6 optional color palette(including iron oxide red, black and white, black and white rainbow, reverse etc) |
| | Image control | Auto/manual adjust contrast and brightness |
| Measurement | Temperature range | -20°C- +350°C |
| | Accuracy | ±2°C or ±2% (reading range) , take the biggest value |
| | Measurement correction | Automatic/Manual |
| | Measurement pattern | Real time 1 movable spot, full screen min/max temperature capture, real-time 1 movable area, alarm (voice/color) |
| | Set up function | Date/time , temperature unit °C/°F/K , language |
| | Emissivity correction | 0.1 to 1.0 of the radiation rate can be adjusted (increment is 0.01), or by a predefined material emissivity |
| | Background temperature correction | Automatic |
| | Atmospheric transmittance correction | Automatically, according to the target distance, relative humidity, ambient temperature |
| Image storage | Memory card | 8G Micro SD (TF) card, Maximum support 16G |
| | Storage mode | Manual/automatic storage, single frame infrared storage |
| | Infrared image format | JPEG format , Image with original measurement data |
| Power supply system | Battery type | Lithium battery, rechargeable |
| | Battery operation time | 3 hours |
| | Charging type | Intelligent charger charging or AC power adapter charge |
| Environmental parameter | Power saving | Automatic sleep, automatic shutdown |
| | Working temperature | -15°C- +50°C |
| | Storage temperature | -40°C~ +70°C |
| | Humidity | ≤95% (Non-condensing) |
| | Protection level | IP54 |
| | Shock resistance | 25G , IEC68-2-29 |
| | Vibration | 2G , IEC68-2-6 |
| Drop test | 2m | |
| Physical characteristics | Weight | 0.98Kg |
| | Dimension | 230mm×105mm×245mm |
| | Handrail | Both sides can be installed |
| Interface | Tripod | 1/4" -20-UNC |
| | Power interface | Yes , DC 12V |
| | SD Card slot | Micro SD (TF) Cassette |
| | Video output | Yes , PAL/NTSC |
| Data output | Mini-USB ,Image, measurement data transmission to the computer | |

▲ The information contained in this document is subject to change without notice



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Application

