



Thermal Imaging Camera Instruction Manual



HT-18

Display screen	3.2 " full angle TFT display screen
Infrared image resolution	220×160
visible image resolution	300,000 pixel
LCD resolution	240×320
Field angle/shortest focus length	27°×35°/0.5m
Thermal sensitivity	0.07 C
Temperature measurement range	-20 C to 300 C (-4°F to 572°F)
Measurement accuracy	±2% / ±2 C
Emissivity	Adjustable from 0.01 to 1.0
Frame rate of thermal images	9Hz
Wavelength coverage	8-14um
Focus mode	Fixed
Color palette	Rainbow, iron oxide red, cold color, black & white, white & black
View option	The integration of thermal image with 25% step length and visible image.
Storage medium	Built-in 3G (above 2 million image stored)
File format	JPG
USB	Micro USB 2.0
Power supply	Built-in chargeable 18650 battery
Automatic power-off time	Selectable: 5 minutes/20 minutes/ not power off automatically
working time	2-3 hours
Product size(length × width × height)	90mm×105mm×223mm
Product weight	389g
Work temperature	0 C to 45 C
Storage temperature	-20 C to 60 C
Relative humidity	< 85%RH

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2. Considerations and Safety Maintenance

Please read the instruction for use carefully in order to ensure correct measurement result:

- Don't use the device in explosive, flammable or corrosive environment.
- The product belongs to precision electronic and sensitive optical devices. Don't impact and drop it to avoid damage.
- Don't dismantle and remodel the products.
- When the product works, there is light sound of clicking every several seconds. This is normal phenomenon that the lens captures images.
- Please use damp cloth or weak soap to clean the enclosure of the device. Don't use abrasant, isopropanol or solvent to clean. Special optical lens cleaner is used to clean the screen.

3. Read images

Use USB cable to connect to your computer, then can read images or save them to your computer.

Through verify, the supported systems have: winxp, win7, win 8, win10, Apple. It is recommended to use the supplied USB cable or use a better USB cable.

Note: When connecting to the computer, select "Safe Eject Device" and then unplug the cable.

Avoid problems such as file storage errors. If there is a problem such as not being able to store, find the hard disk in your computer and fix it.

4. Performance index

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