



Thanks for selection , smart phone operation thermal imager.

 is a state-of-the-art thermal imager with WIFI function to be operated by smart phone easily.

 can be fixed on smart phone, handle, triple and all kinds of SPORT DV accessories flexibly for diverse applications.

#### Features:

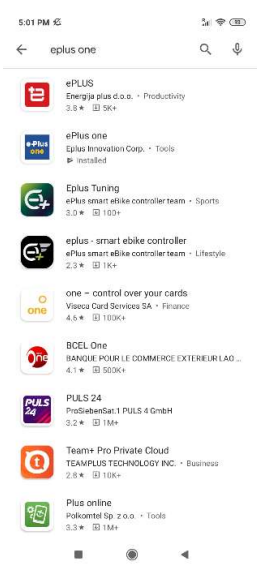
- Take accurate temperatures by Thermal Array 32 \* 32 FoV [ 33° ]
- Easy operation by friendly APP via WIFI — save, share and send immediately.
- With gun handle and mount holder — compatible with Sport DV & camera accessories
- Long battery life, main unit 3.5 hours, with handle 8.0 hours

Search by ePlus One on Google Play store to down load ePlus One APP.

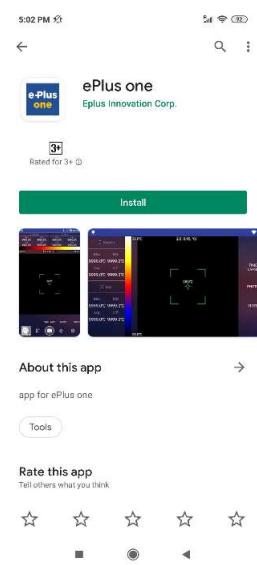
There are two options, including

- (1) “ePlus One” is for smart phone without body temp. scanning function
- (2) “ePlus One Plate” is for e-plate screen size with quick body temp. scanning function

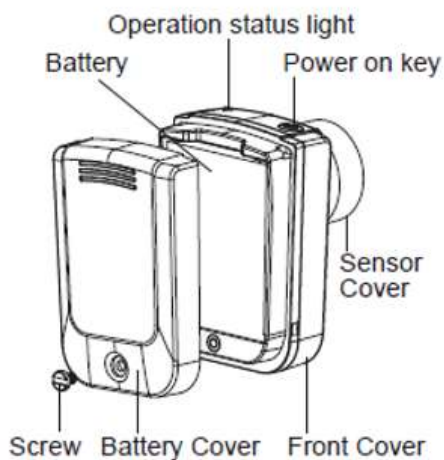
#### Get in to play store Search eplus one



#### Press Install



## Parts description



## ePlus One Specifications

Description	Smart phone operation Thermal Imager by "Thermal Array"
<b>Measurements</b>	
Infrared Measurement Range	<b>-40~700°C (-40~1292°F)</b>
Infrared Accuracy (Tamb=20~26°C)	<b>±2% of reading, or 2°C(4°F) whichever is greater</b>
Thermal Sensitivity	0.1°C (0.1°F)
Emissivity	0.95 default adjustable 0.1 to 1.0 step .01
Spectral Range	8~14um
<b>Hardware</b>	
Thermal Image Resolution	32 x 32 pixels
Image Resolution	<b>640 x 640 pixels</b>
Field of View	33°33 degree
Frame Rate	8Hz
Dimension	64*42*28 mm
Weight	55g
Operation temperature	0 to 65°C; < 90RH%
Storage Temperature	-40 to 85 °C ; < 70RH%
Focus	Focus free
Encapsulation	IP54
Battery Type	890mAH 3.7V Li-ion rechargeable battery <b>(for &gt; 4 hours)</b>
Certificate	CE, RoHS, FCC

Mount (Accessory)	1/4"-20 standard tripod mount (67.5*50*37mm, 16g) Compatible with sport DV accessories
Handle (Optional Accessory)	Ergonomic shape (180.5*62*62mm) 18650 Li-ion rechargeable battery ( <b>for &gt; 10 hours</b> )
<b>Software</b>	
Smart Phone	IOS, Android 4.1 and above
Software and features update	Via Google Play or Apple Store
APP Function	<b>Take Photo, Record Video, Time Lapse, Lock Temp. Range, Emissivity adjust</b>
<b>Image Presentation</b>	
Palette	<b>Ironbow, Hot metal, Rainbow, Jet (Ice), Grey (White-hot, Black-hot)</b>
Temperature	<b>MAX, MIN, AVG., DIFF of Box and Full Screen</b>
Longest distance	3 meters
Minimum Focus Distance	15cm

## How to start

- (1) Press Power on button or plug power cable on ePlus one
- (2) Blue light will be on first, 3 seconds later if purple light is on – mean ready to connect with smart phone

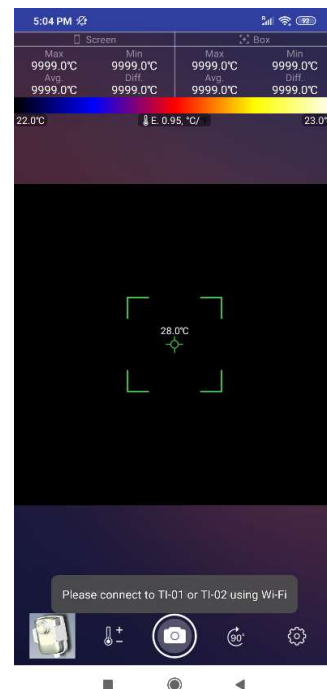
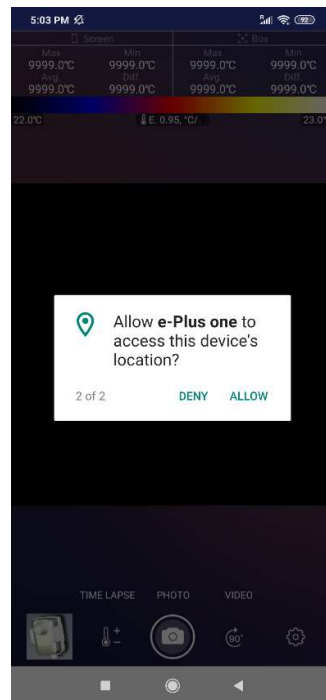
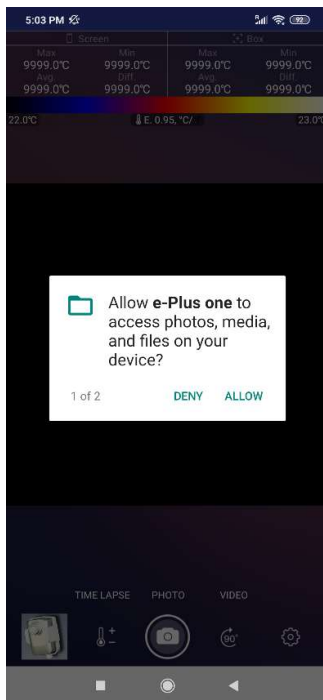


- (3) Turn on Wifi to link with ePlus One and turn on APP

For second operation, turn off WIFI and ePlus One APP before press Power on button.



- (4) Tap Icon on your mobile and then get into Setting Page of your mobile phone to select ePlus One XXX (X=A to Z, Y= 0 to 9) as your WIFI device.



## How to charge battery

- (1) When the red light is on, means the battery power is low.
- (2) Plug type C cable on and connect the USB to a 5.0V 2.0A adaptor.
- (3) When ePlus One is fully charged the red light will be off.

**For Long time measuring, you can keep plug the Type-C cable on.**

### Icon descriptions:

#### Take photo



#### Rotate screen



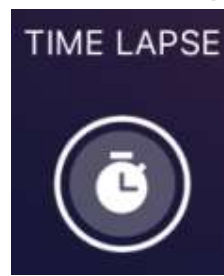
#### Take video



#### Set




#### Take a time-lapse video



#### Temperature Lock




### How to Measure Temperatures

Point  to target object to get the temp. readings and images

The Max, Min, Avg. and Diff readings of whole screen will be shown on the left-top.  
The Max, Min, Avg. and Diff readings of the box will be shown on the right -top.

### How to track the MAX and MIN point



Tap MAX or MIN of screen/box on readings area..

The MAX/MIN reading will be reverred and  will be always shown on the highest/lowest temp. point together with its real-time reading.


### How to read the temperature of a specified point

You can tap any point on screen to see its real-time temperature.

### How to turn the image

Tap  to turn image to the right direction, when you fixed  at different direction.


### How to take a photo

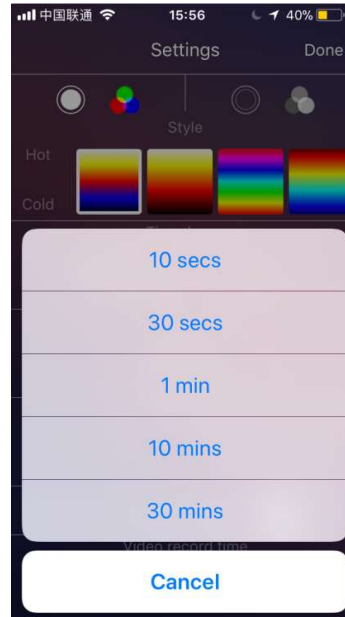
Tap  to take a photo, which will be saved automatically.

## How to take a video

Tap Video record time to set the record time.

The options include 10 secs, 30 secs, 1 min, 10 mins and 30mins.

Tap  to start taking a video.

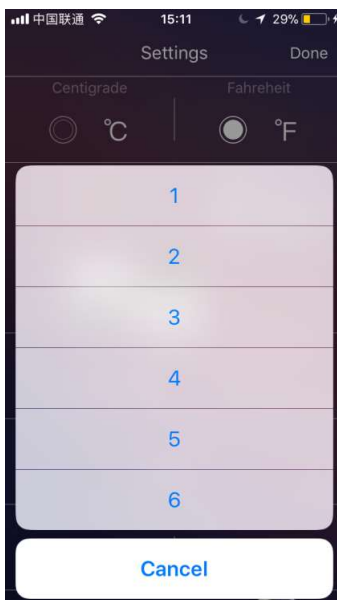


## How to take a time-lapse Video

You can create time-lapse images in a set time interval and then creating a video based on these images.

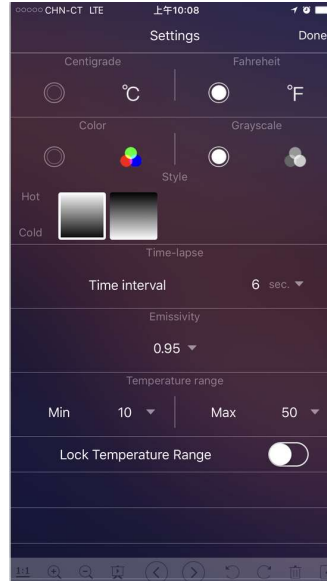
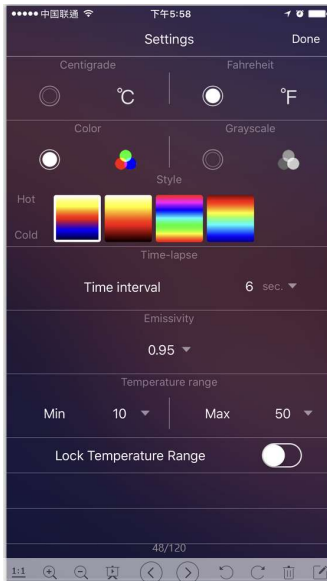
The options include 1, 2, 3, 4, 5, 6 second per image.

And then tap TIME LAPSE icon to start taking a time-lapse video.



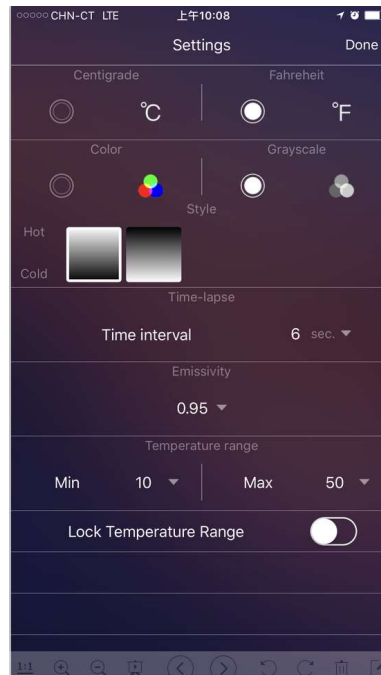
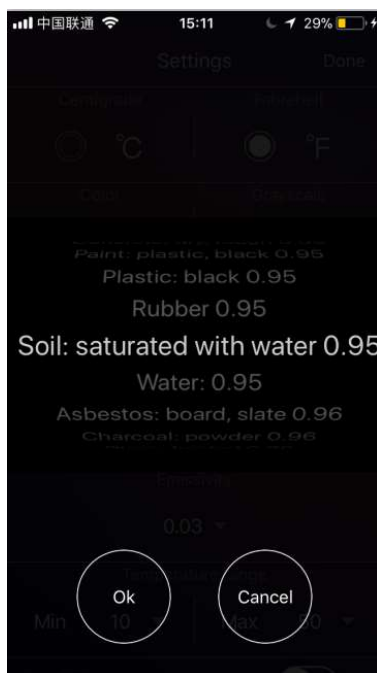
## How to select palettes:

You can select the color palette that the camera uses to display different temperatures. The color options include Ironbow, Hot metal, Rainbow, Jet (Ice) and the grey options include White-hot and Black-hot. A different palette can make it easier to analyze an image.



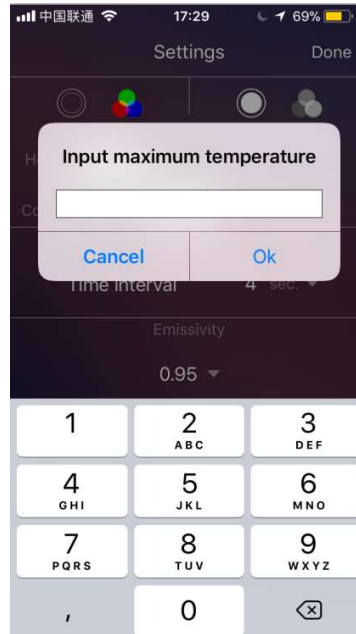
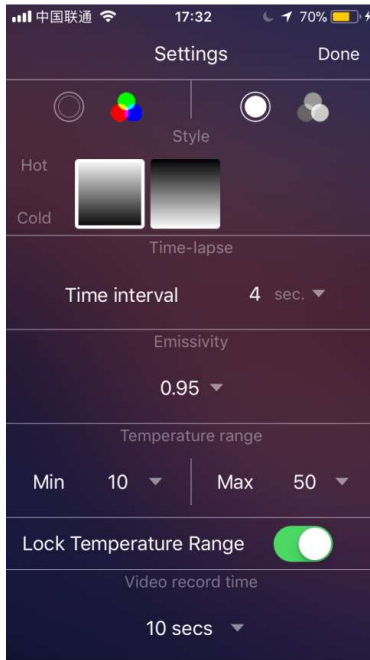
## How to adjust Emissivity and change scale

You can roll the emissivity table to select the correct emissivity by material name to get accurate temperature measurements.



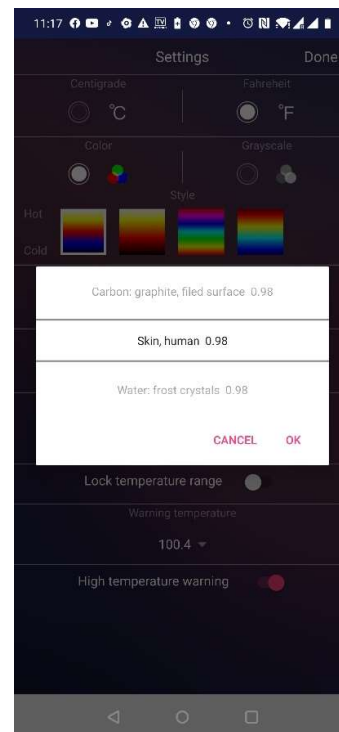
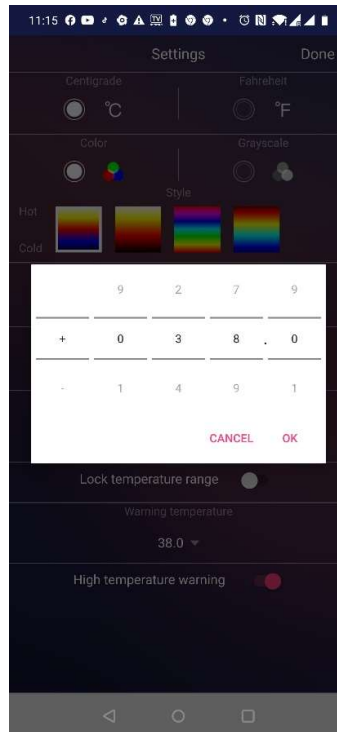
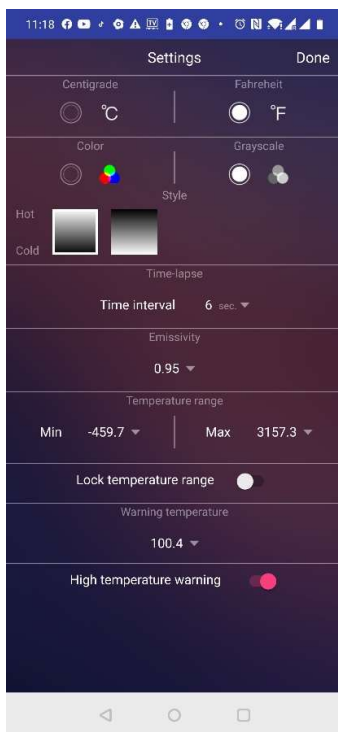
## How to lock temperature

Tap the Lock Temperature Range on and then input the maximum and minimum temperatures.



## How to set high temperature warning

Tap the High Warning on, input the warning temperatures and select proper emissivity of target.





**Basic Pack:**



1. main unit,
2. Accessories: Mount core \*1  
Smart phone Holder\*1  
Foldable triple\*1  
Two-fork \*1 (to fix with other Sport DV accessories) \*1
3. One meter Type C cable \*1
4. Rechargeable 890mAH\* 1 pcs

**Tool pouch**

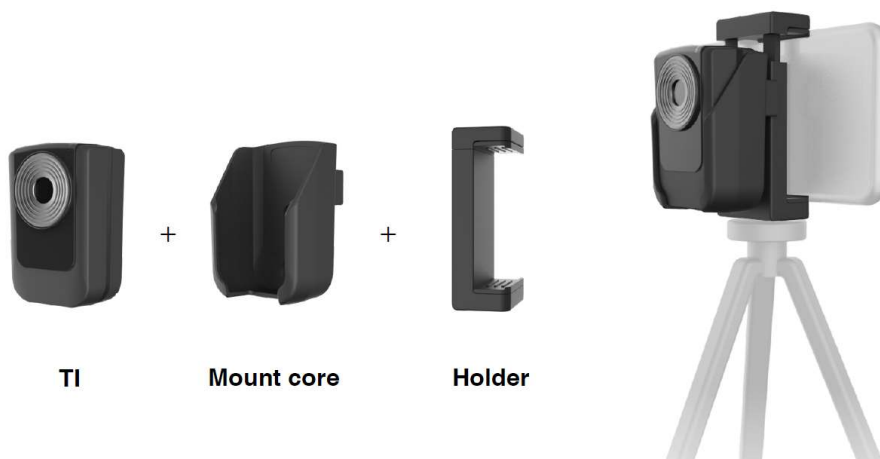


**Tool box:**



## Fix methods

1. Click on smart phone or on Tripod



2. Hold TI-01 and smart phone by one hand



3. Fix on Sport DV accessories



**Information to the user.**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.