

High-Resolution Mobile Thermal Imaging Device

Therm-App™ transforms Android smartphones into powerful thermal cameras, featuring long-range night vision and high-resolution thermography.

This lightweight device clips onto your Android smartphone. Plug it in and your phone becomes a powerful night vision camera capable of displaying, recording and sharing thermal images, for any security, safety, farming, lifeguarding and wildlife observation applications. It will also run a whole new suite of exciting thermography applications such as veterinary, construction & air conditioning, electricity, maintenance, healthcare, and more.



- **Easy to Use.** No installation. No prior technical knowledge. Simply download the Therm-App™ application, clip the Therm-App™ device onto your Android phone, plug in the USB cable and you're ready to explore the world in infrared!

- **Superb Image Quality.** Therm-App™ is offering a whopping resolution of 384 x 288 pixels. That's 110,592 pixels of thermal imagery right on your smartphone screen. Professionals will highly appreciate its value. And it's also great fun.

- **Multiple Imaging Modes.** Therm-App™ provides long-range thermal imagery (greyscale night vision and enhanced bad-weather day vision) as well as high-resolution thermography (color temperature mapping), to best match your professional needs.

- **Record and Share.** Easily record thermal images and videos, save them to the phone and send them to your contacts, using social networks or any standard messaging application.

- **Modular.** With the Therm-App™ modular design, your changing needs will be met with an ever growing assortment of accessories. For instance, with its interchangeable lenses, the Therm-App™ device provides effective detection of faraway targets through its long range (19 mm) lens, and a wider view through its 6.8 mm lens. And the Therm-App™ device can be mounted onto a wide variety of accessories using its standard connector.

- **Low Power.** With less than 0.5W power consumption, you can rely only on your smartphone to power your Therm-App™ device. No need for an external power source.

- **One Device, Multiple Phones.** The universal connector ensures that the Therm-App™ device will fit most smartphones perfectly. Moreover, a single device can be shared among several users, offering convenience while reducing costs. And when you upgrade your smartphone, your device's performance will grow accordingly.

- **Always More to See.** As our Therm-App™ community expands, innovative uses will be found. More and more applications will be developed by a growing developer community, using the Therm-App™ developer SDK. Always keep an eye on the Therm-App™ store to find new exciting applications.

Now, invent your own way
to use Therm-App™ ...

Applications



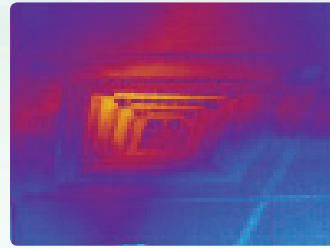
Security and Safety

Equip law enforcement officers and guards with nighttime and bad-weather daytime vision to improve their safety by identifying potential threats.



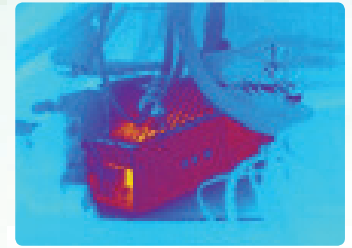
Lifeguarding & Rescue

Track people in water, on the beach, climbing mountains or in any other environment.



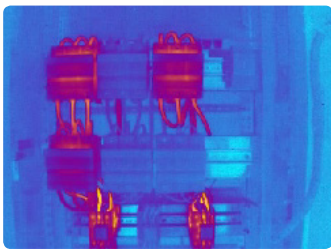
Construction & Air Conditioning

Locate construction defects and humidity, map water pipes, track insulation flow to decrease energy consumption and reduce expenditure.



Electricity Certification & Maintenance

Monitor and measure overheated elements for preventive diagnosis of electrical malfunctions.



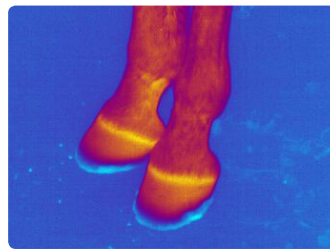
Industrial Applications

Carry out preemptive maintenance and quality control by detecting product irregularities and defects.



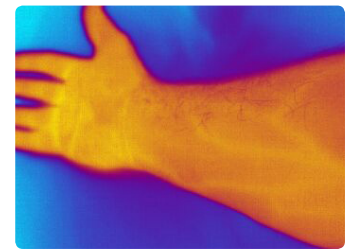
Wildlife Observation

Track and view animals from a distance.



Veterinary & Farming

Diagnose stress, trauma, and injury in horses and other livestock, locate herds and stray animals in the dark, and identify threats around the farm.



Healthcare

Non-invasive detection of inflammation and sources of pain, monitoring of localized conditions, and segregation of passengers with high fever.

Tech Specs

General Information	
Resolution	384 x 288 pixels (>110k pixels)
Spectrum	LWIR 7.5 -14um
Lens Options and FOV	6.8mm lens (55 x 41°) 19mm lens (19 x 14°)
Frame Rate	8.7Hz
Weight	138 grams / 4.87 ounces (with 19mm lens)
Size	55 x 65 x 40mm (2.16 x 2.55 x 1.57 in)
Operating Temperature	-10°C to +50°C (-4°F to +122°F)
Power Supply	5V over USB cable
Power Consumption	Less than 0.5W
Certifications	CE, FCC
Device Attachment	Clip-on for smartphone (5 -10cm span)
Mobile Platform Support	USB OTG (On The Go) compatible devices
Mobile OS Compatibility	Android 4.1 and up
Recording and Sharing	Therm-App™ Smartphone App plus any sharing App
Imaging Modes	
Thermography	Color temperature mapping: 5°C to 90°C Available palettes: Rainbow, Iron, Grayscale
Enhanced Vision	High-resolution thermal imagery (grayscale day/night vision) NETD <0.07°C

*Specification may change without notice. Last updated 18/3/14.