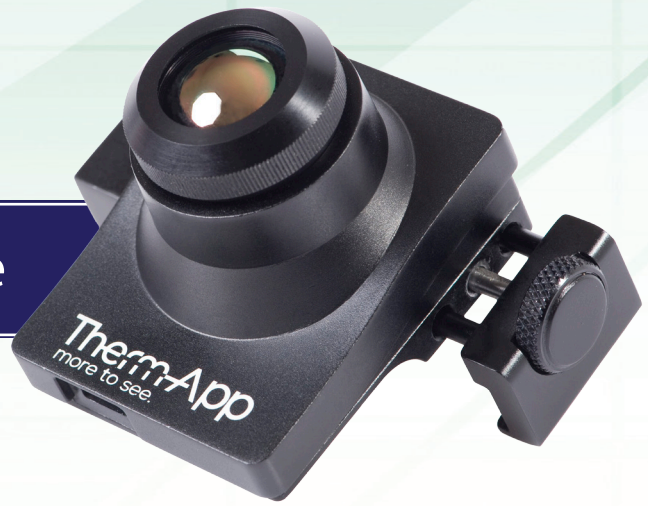# Therm-App
more to see.

Mobile Thermal Imaging Device

Description

Therm-App is a revolutionary concept that extends human vision by turning smartphones into thermal cameras. This lightweight, modular, high resolution and low power device clips onto your smartphone. Plug-in its USB cable, and your phone turns into a powerful camera that can display thermal images, record them, share them – and run a whole new family of exciting dedicated night vision and thermography applications.

Therm-App combines the power of a fully functional thermal camera with the mobility, processing power, display capabilities and advanced features provided by smartphones today, and in the future.

Through our SDK, we let the crowd decide which Therm-App applications will be produced, changing our everyday life and making sure there's always more to see!

With a handy and easy to use device , a variety of accessories and a thriving community of Therm-App developers, Therm-App is a true market pioneer who re-defines the notion of thermal imaging.

Feature List

• **Easy to Use** No installation. No prior technical knowledge. Simply download a Therm- App application, plug your Therm-App device onto your smartphone using the included USB cable, and you're ready to start exploring the world in infrared!

• **Multiple Thermal Displays** Your device was created to support both thermography (color temperature mapping) and high-resolution thermal imagery (greyscale night vision) for best matching of your professional needs.

• **Low Power** With less than 0.5w power consumption, you can use your smartphone to power your Therm-App device, without the need for an external power source.

• **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.

• **Recording and Sharing** Conveniently record thermal images and videos, save them to your phone and send them to your contacts, using social networks or any standard messaging application.

• **Adaptability** The universal adaptable gripping system ensures that the Therm-App Imaging Device will fit any future smartphone you may own, perfectly.

• **Modularity** A wide range of Therm-App accessories including lenses, cables and handles allow maximum flexibility when it comes to modifying the Therm-App Thermal Imaging Device to specific needs. The Therm-App device can also be mounted on any tripod using its standard connector.

• **Multiple User Support** The same Therm-App device may be used on multiple smartphones.

• **Always More to See** As the Therm-App user community grows, more and more uses will be discovered and more applications will be made available on the Therm-App store.

OPGAL
Beyond the Visible

Tech Specs

General Information	
Resolution	384X288 pixels (>110k pixels
Spectrum	LWIR 7.5-14um
Lens Options and FOV	6.8mm Lens (42 x 32 deg) 19mm Lens (18 x 13 deg)
Frame Rate	8.6Hz
Weight	<100g (<3.53 oz.)
Physical Dimensions	55 x 65 x40mm (2.16 x 2.55 x 1.57 in)
Operating Temperature	-10°C to +50°C (-4°F-+122°F)
Power Supply	5V over USB cable
Power Consumption	Phone dependent. The Therm-App Device consumes less than 0.5W

Mobile Information	
Device Attachment Type	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	Using Therm-App™ Smartphone App

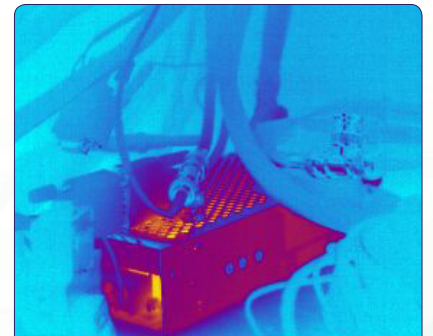| Imaging Modes	
Thermography	Color temperature mapping: 25°C ± 25°C, Accuracy ± 3°C Available color pallets: Rainbow, Iron, Grayscale
Enhanced Vision	High-resolution thermal imagery (grayscale night vision) NETD 0.07°C

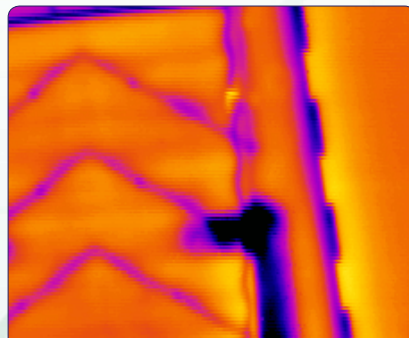# Applications

Security and law enforcement
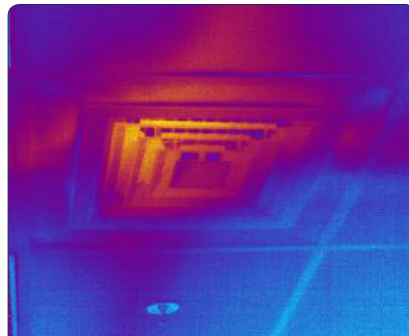
Construction and air-conditioning

Electricity

Veterinary and farming

Quality control

Hunting