

A close-up photograph of a black thermal camera lens on the left, with the text 'ThermApp more to see.' printed on its base. To the right, a stack of three smartphones is visible, showing their charging ports. The background is a plain, light-colored surface.

**ThermApp**  
more to see.

# THERMAL CAMERAS FOR ANDROID & LINUX

**SEE BEYOND THE VISIBLE**

The logo for OPGAL, featuring the word 'OPGAL' in a bold, stylized font with a small figure of a person climbing a ladder to the right. Below it, the tagline 'Beyond the Visible' is written in a smaller, sans-serif font.

**OPGAL**  
Beyond the Visible



**SURVEILLANCE  
& SECURITY**



**TARGET  
DETECTION**



**SEARCH &  
RESCUE**



**THERMOGRAPHY  
& LEAK DETECTION**

## Why Stay in **the Dark?**

The Therm-App® camera improves effectiveness in the field, by providing a clear image even in total darkness and delivering mission critical information which can save lives. The compact and lightweight camera with interchangeable

lenses enables users to record and immediately share high-quality thermal images and videos. Connecting to many Android smartphones, it offers superb image quality and low power consumption.

**01**

### **LONG RANGE DETECTION**

Human size targets up to 1,070m  
Vehicle size targets up to 2,368m

**02**

### **INTERCHANGEABLE LENSES**

Therm-App offers a variety of lenses to match specific operational needs.

**03**

### **MODULAR**

Compatible with head-mounts, tripods, handles and other standard 1/4"-20 mounts.

**Improve situational awareness and enhance safety with long-range detection and recognition capabilities.**





Image Credit: Giles Read  
using Therm-App®



## Main Applications

### Security

See the unseen while on routine perimeter patrol, securing a facility, or identifying potential threats in dark or badly lit areas. It's easier to control and secure a perimeter, by obtaining clear images of people, animals, or vehicles at the scene.

### Law Enforcement

Improve situational awareness and enhance safety while on patrol, responding to distress calls, exiting patrol vehicles, and entering buildings. Identify perpetrators trying to avoid detection or fleeing the scene.

### Wildlife Observation

Obtain a clear view of animals in the wild, irrespective of lighting or weather conditions— through high grass, dense brush, or forested areas.

### Search & Rescue

Locate injured or unconscious people on land or in water, in any weather or environmental conditions such as fog or smoke. Detect signs of life even in thick foliage or wooded areas, day or night.

### Thermography & Leak Detection

Estimate temperatures, conduct aerial surveys, easily reveal hidden leaks, mold, and cold/hot spots around the house.

More than a handheld thermal camera, Therm-App is an extremely versatile piece of hardware. From drones to weapon sights to driving night vision assistance, Therm-App is a high-performance handheld thermal imaging device with application possibilities that are still being discovered. These innovative devices can be used by professionals for security, safety, construction, maintenance, wildlife observation, and many other applications.

Whether for work, play, or use around the house, Opgal's line of Therm-App thermal cameras let you experience and capture the world in a way that was never before possible. With cutting edge technology now available at your fingertips, you can estimate temperatures, conduct aerial surveys, easily reveal hidden wildlife, and find leaks, mold, and cold/hot spots around the house, all with your Android or Linux device.



## Technical Specifications\*



### Imager Type

Uncooled (LWIR) 17μ microbolometer 7.5 – 14μm



### Dimensions

55 x 65 x 40mm



### Resolution

384 x 288 (QVGA+) or 640 x 480 (VGA)



### Lens Options

6.8mm (55°x41°), 13mm (29°x22°), 19mm (19°x14°), 35mm (11°x8°)



### Operation Temperature

-10°C to +50°C



### Sensitivity (NETD)

<0.07°C (QVGA+)  
<0.05°C (VGA)



### Minimal Requirements

Android 7.1 & above, supporting USB OTG



### Storage Temperature

-20°C to +50°C



### Viewing Modes

Night Vision  
Thermography (Basic)



### Focus

Manual, 0.2m to infinity



### Video Output

Video & Audio (h.264), Snapshot



### Zoom

Continuous digital zoom using touchscreen



### Frame Rate

8.7Hz / 25Hz



### Certifications

CE, FCC



### Software & feature updates

Via Google Play



### Thermography Range

Calibrated for temperatures of 5 – 90 °C (+/- 3 °C)



### Environmental

IP54



### Maintenance

Bad pixel repair utility

\* All specifications are subject to change without notice. For full updates specs go to <https://www.opgal.com/android-thermal-cameras/>

Image Credit: Giles Read  
Photographed with Therm-App®



## Contact Opgal Today



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