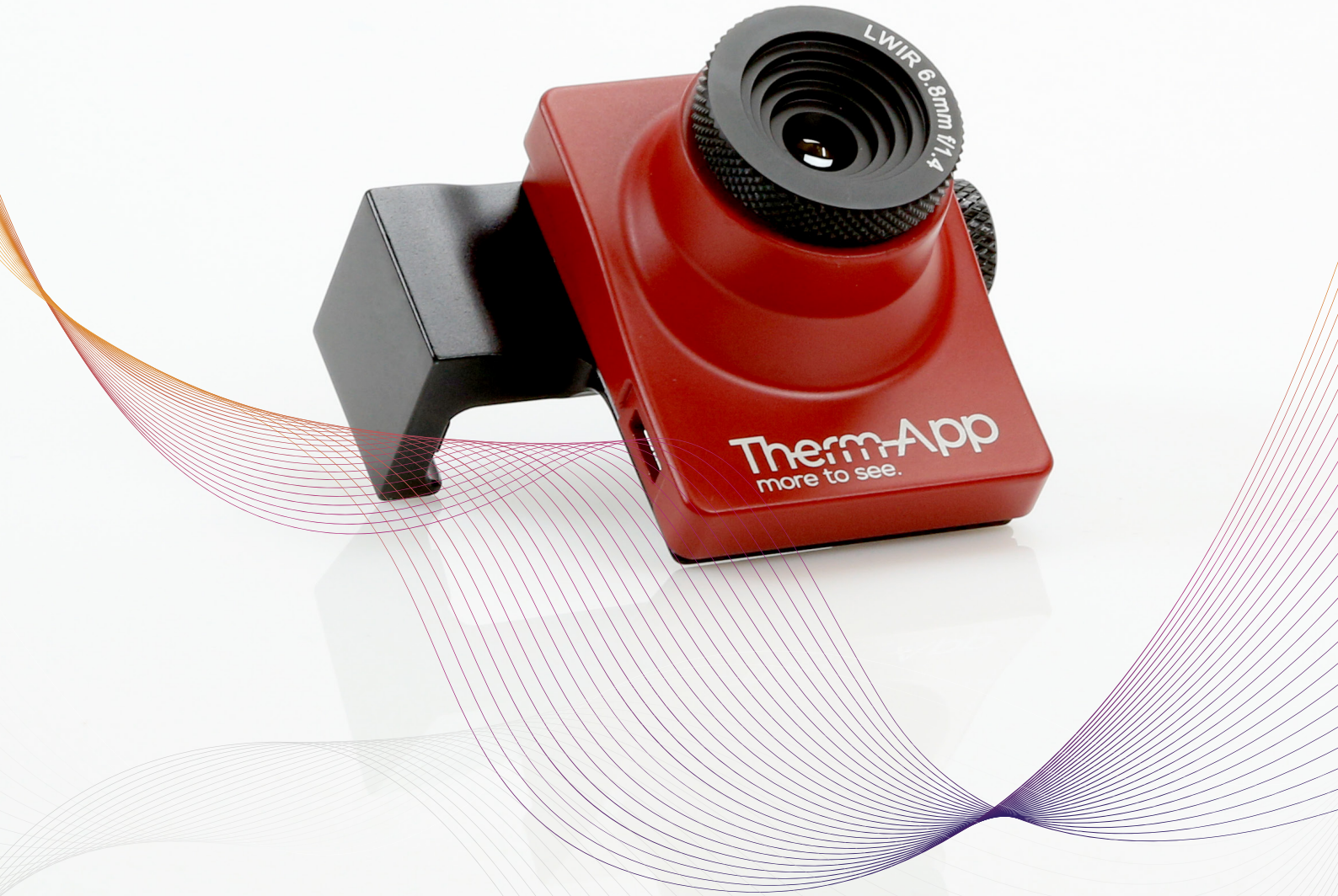
ThermApp TH

more to see.

ANDROID THERMOGRAPHIC IMAGING DEVICE

Turning Android Smartphones Into Professional Thermography Cameras



- 384x288 Pixels of Superb Image Quality
- Compact, Mobile, Lightweight, Thermographic Device
- Accurate Temperature Measurements

OPGAL
Beyond the Visible

Therm-App™ TH for Thermography — the Tool of the Future

The innovative Therm-App™ TH transforms your Android smartphone into a professional, highly capable, and constantly evolving thermographic tool. Take accurate temperature measurements and share images and videos quickly and easily. Key features include manual and auto temperature scales, multiple color palettes, threshold hot/cold palettes, instant sharing, professional PC analysis and reporting software, and more.

Why use cumbersome, costly and complex tools, when you can opt for an affordable and convenient device coupled with outstanding performance?

384*288 Pixels of Superb Image Quality

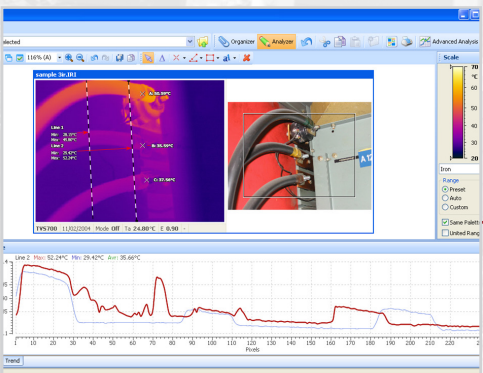
With its large thermal sensor and high 384*288 pixel resolution, Therm-App™ TH provides excellent performance. Therm-App™ TH provides you with the best image quality needed for your professional thermography requirements.

Compact, Mobile, Lightweight and User Friendly

Therm-App™ TH combines all the advantages of high quality thermal sensors with the powerful computing power and connectivity of Android devices. All these benefits are packed in a compact and lightweight thermographic tool that leverages modern smartphones' high quality, high definition, and responsive touchscreens.

Connected Device for Data and Image Export Options

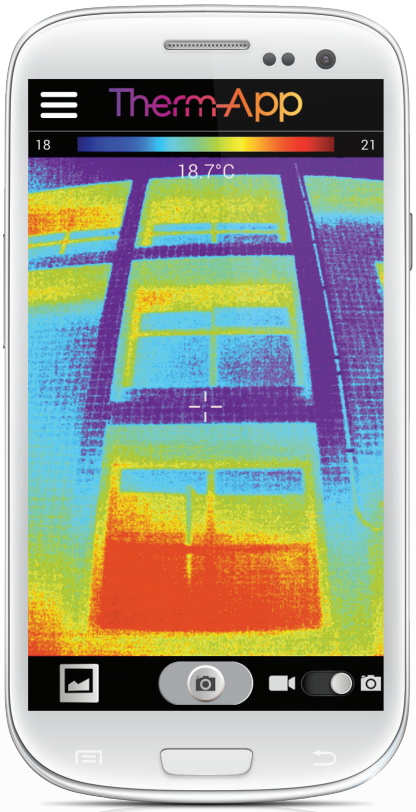
Therm-App™ TH saves you time by enabling thermal images and videos to be uploaded to Dropbox or emailed from the field. Now your data can be backed up, and up to date, all the time. With Therm-App™ TH for thermography, you get instant, high quality images enabling you to provide fast, efficient, and effective service.



Professional Thermographic PC Analysis & Reports

Therm-App™ TH's professional software features a full set of radiometric capabilities, enabling you to organize and evaluate infrared images and generate in-depth reports.

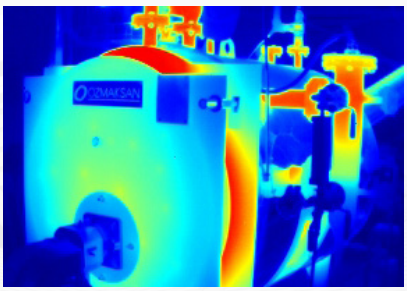
Tailored for Thermography



- Accurate temperature measurements
- Manual and auto temperature scales
- Video and sound recording
- Full thermographic data export
- Digital zoom
- Multiple color palettes
- Customized annotations
- Instant share and upload to Dropbox

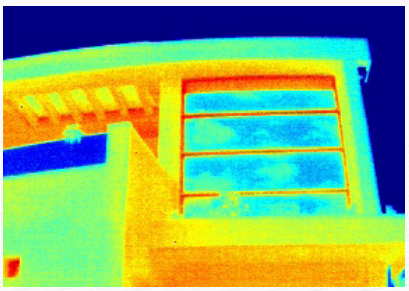
Common Applications

Industrial Inspection



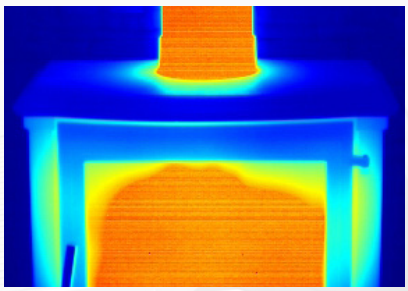
Save costs by locating trouble spots such as overheating components

Building Inspection



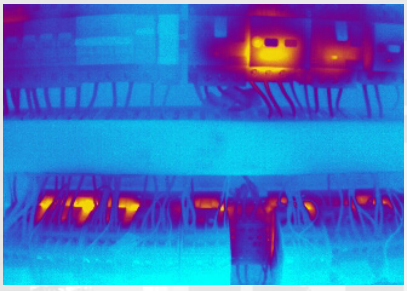
Conduct interior or exterior surveys to identify energy loss or termites

HVAC Energy Audits



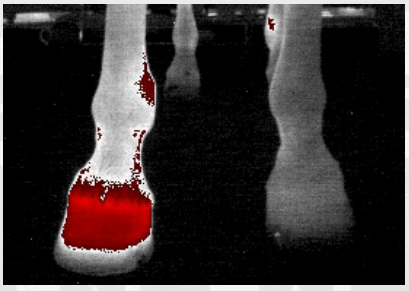
Detect energy leaks or incorrect airflow distribution

Electricity Audits



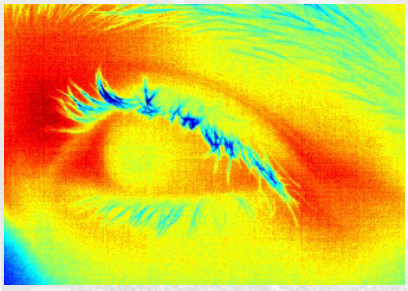
Use as a predictive maintenance tool to scan the temperature variance of electrical equipment

Veterinary & Equine



Identify areas of injury up to three weeks before the appearance of clinical symptoms

Health & Medicine



Diagnose conditions such as irregular blood flood flow and inflammation

Therm-App™ TH Technical Specifications

Measurement	
Resolution	384 x 288 pixels (>110,000 pixels)
Accuracy	+/- 2°C or 2% (@25°C)
Sensitivity	NETD <0.07°C
Temperature Range	0 – 200 °C
NUC Calibration	Shutterless
Hardware	
Imager	384 x 288 microbolometer LWIR 7.5 -14um
Optics	6.8mm lens (55° x 41°). Optional lenses available.
Focus	Manual, 0.2m to infinity
Frame Rate	8.7Hz
Weight	123 grams / 4.33 ounces
Size	55 x 65 x 40mm (2.16 x 2.55 x 1.57in)
Operating Temperature	-10°C to +50°C (14°F to +122°F)
Storage Temperature	-20°C to +60°C (-4°F to +140°F)
Power Supply	No battery, 5V over USB OTG cable, power consumption < 0.5W
Certifications	CE, FCC, RoHS
Encapsulation	IP54
Visible Camera	Typically 8 megapixels*
Mount/Handle	Ergonomic handle, using 1/4"-20 standard tripod mount
Device Attachment	Clip-on for smartphone (5 -10cm span)

* Smartphone dependent

Smartphone	
Minimal Requirements	Android 4.1 and above, supporting USB OTG
High Resolution Touchscreen	Yes *
Software	
Measurement Tools	• Center Spot • Hot/cold threshold based pallets • Manual and auto scale
Measurement Setting	Emissivity, Reflected Temperature
Annotations	Text & Video Annotations
Output	Video & Audio (H.264), Snapshot (IR, VIS, Metadata)
Instant Share	Dropbox, Email , SMS
Android Share	Via media gallery
Color Palettes	Rainbow, Iron, Vivid, Grey, Red Hot, Blue Cold
Temperature Scale Range	Auto, Manual
Zoom	Continuous digital zoom using touchscreen
Feature updates	Yes (via Google Play)
Maintenance	Bad pixel repair uilitity
Quick access menu	One touch
Analysis and reporting software	• Professional PC software • Files and folders Management • Multiple image analysis tools • Fast report generation • MS Word templates

IT'S EASY TO

Operate
Touchscreen controls, Smartphone clip on

Connect
WiFi, 3G / 4G, Bluetooth, USB

Share
Email, Dropbox, Social Networks, Messaging Apps

Upgrade
Software updates via Google Play, Developers SDK

With the Therm-App™ TH for thermography, conducting high-resolution temperature measurements just got easier, lighter, feature rich and connected.