

Product Datasheet - Technical Specifications



More information in our Web-Shop at ► www.meilhaus.com

Your contact

Technical and commercial sales, price information,
quotations, demo/test equipment, consulting:

Tel.: **+49 - (0)81 41 - 52 71-0**

E-Mail: sales@meilhaus.com

Meilhaus Electronic GmbH
Am Sonnenlicht 2
82239 Alling/Germany

Tel. **+49 - (0)81 41 - 52 71-0** E-
Mail sales@meilhaus.com

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FOTRIC TP320A

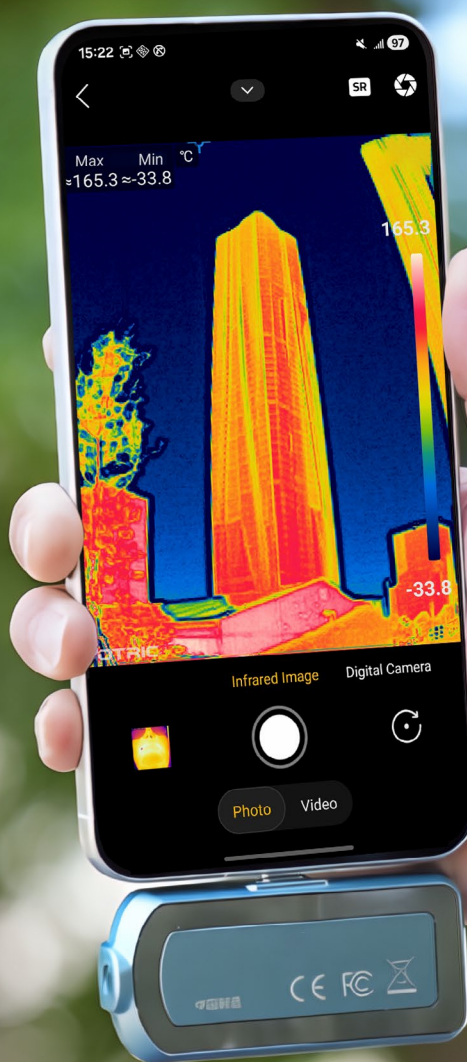
Thermal Camera for Smartphones

Enchant Your Phone with Infrared Vision

Plug-in and Ready to Go | Professional Level Accuracy

320*240 Pixel Resolution

35mK Thermal Sensitivity



Outdoor
Exploration



Equipment
Inspection



Home
Inspection

Travel Light, Inspect Anytime

Plug and Play, Ready to Go

Connect to your smartphone and launch the app to begin inspection immediately.

- No charging required
- No complex configuration
- No boot-up waiting time



Compact and Portable

Easily fits into your pocket, backpack, or toolbox, bringing thermal imaging beyond traditional professional applications.

40g
Weight

Brand New Outlook

Featuring a new-generation streamlined industrial design that combines advanced aesthetics, ergonomic handling, and portability — make professional tools look good.



Multi-Scenario Applications

Explore the Unknown, Discover the Unseen

- Observe animal activity traces at night
- Detect residual heat from campfire sources
- Monitor environmental temperature differences



Quick Inspection Anytime, Fast Anomaly Detection

- Identify hot spots in electrical cabinets
- Inspect temperature rise in power distribution lines
- Monitor motor equipment temperatures
- Check HVAC air outlet performance

See the Temperature, Bring Peace of Mind

- Check baby drink temperatures
- Inspect floor heating performance
- Detect air leakage around doors and windows
- Verify home air conditioner cooling and heating performance



Multitude of Accessories



Core Parameters

Basic Parameters

Infrared Resolution	320*240
Super Resolution	640*480
IR Detector Type	Uncooled infrared focal plane detector with ceramic packaging
Thermal Sensitivity (NETD)	<35mK@30°C
Spectral Range	8~14μm
Image Frame Rate	25Hz
Field of View (FOV)	60° *45°
Minimum Imaging Distance	0.2m
Focus Mode	Focus free

Temperature Analysis

Temperature Range	-20~550°C
Measurement Accuracy	±2°C (3.6 °F) or ±2%, whichever is greater.
Temperature Alarm	Support high or low temperature alarm for the global max or min temperature.

Image Display

Image Mode	Thermal image, Thermal image+ visible light image
Palettes	10

Data Connection

USB Port	USB Type-C, 2.0
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Reliability and Certificates

Protection Level	IP40(GB/T 4208/IEC 60529)
Drop Resistance	Designed to resist 1m drop

Physical Parameters

Size	71mm*33mm*15.5mm
Weight	40g
Warranty	1 year

Compatible System

Compatible System	Android 12+
APP	FOTRIC Genie, download and update from Google Play Store
Analysis Software	AnalyzIR Professional Thermal Imaging Analysis Software

Product Configuration



1. Main Unit
2. USB Type-C Male-to-Female Cable
3. USB Type-C Male-to-Female Extension Cable
4. USB Type-C Female-to-Female Straight Coupler
5. Quick Start Guide
6. Handle Tripod
7. Extension Rod
8. Ball Head Mount ×2
9. Phone Holder Magnetic Base
10. Double-Ended 1/4" Screw Adapter ×2
11. Gear box