TOPDON®

Thermal Imager

TC002C Duo

Vision for Every Challenge

Dual iOS & Android USB-C Compatibility: Get sharp, detailed thermal images (256x192 resolution + TISR) with the TOPDON TC002C Duo. It works seamlessly with all USB-C iPhones, iPads, and Android devices. Use the intuitive app for guided home/auto inspections to easily find hidden heat issues. Its lightweight, portable design makes thermal imaging accessible anywhere.

Features

- **Universal USB-C Compatibility:** Works flawlessly with all USB-C smartphones and tablets—no adapters needed.
- **Advanced Thermal Clarity:** 256×192 IR resolution enhanced by proprietary TISR (Thermal Image Super Resolution) technology for sharp, precise thermal imaging.
- **Wide Temperature Range:** Measures from -20°C to 550°C (-4°F to 1,022°F) with ±2°C accuracy for versatile inspections.
- **Fast, Responsive Scanning:** 25Hz refresh rate and <40mK temp sensitivity deliver smooth, real-time heat tracking.
- **Intuitive App with Guidance Hub:** TopInfrared app offers easy controls and a built-in Scenario Guidance Hub for step-by-step inspections.

Specs

- System Compatibility: iOS & Android & Windows
- USB-C Compatibility: iPhone 15 and above, and select devices with USB-C port
- IR Resolution: 256 x 192
- Refresh Rate: 25Hz
- NETD: <40mK
- Object Temperature Range: -20 to 550°C (-4°F to 1,022°F)
- Temperature Accuracy: ±2°C or ±2% of reading
- Temperature Resolution: 0.1°C
- Field of View: 50° x 37.2°
- Unit Weight: 30g
- Power Comsumption: 0.35W/h

What's In The Box

- TC002C Duo
- USB-C to Lightning Cable
- USB-C to USB-C Extension Cable
- Quick User Guide
- Carrying Bag
- Cleaning Cloth
- Packing Box

CONTACT US

@topdonofficial

TOPDON TECHNOLOGY Co., Ltd. | WWW.TOPDON.COM

sales@topdon.com | +86-755-21612590 | +1-833-629-4832 (North America) | +34 931 677 441 (EU)

Unit 2005 20/F, No.3040 Xinghai Avenue, Qianhai Shimao Tower, Qianhai Shenzhen Cooperation Zone, Shenzhen, P.R.China | 518000

TOPDON®

Thermal Imager

Full Specification

Infrared image

IR Resolution	256 x 192 (49,152 pixels)
NETD	<40 mK (@ 25 °C, F#=1.0)
Image Frequency	25 Hz
Detector Pitch	12 ym
Spectral Range	8~14um
Focal Length	3.5 mm
F-number	F1.0
Field of View (FOV)	50°x 37.2°
Min. Focus Distance	0.2m (0.66 ft)

Infrared Image

Color Palettes	Iron red, white hot,black hot, arctic, rainbow, redhot, medical, jungle, goldenred,shimmer, aureate
Image Modes	Thermal\PIP
TISR	Support

Measurement and Analysis

Object Temperature Range	-20~550°C (-4°F-1,022°F)
Accuracy	±2°C/±2%
Measurement Tools	Center Spot, Hot Spot, Cold Spot User-definable: 3 dot, 3 line and 3 rectangles.
Level and Span Mode	IP54

General

System Compatibility	iOS & Android & Windows
Power Consumption	350mw/ 0.35w
Protection Level	IP54
Drop Test Height	1m (3.28 ft)
Working Temperature Range	-10~50°C (14°F - 122°F)
Storage Temperature Range	-20~60°C (-4°F-140°F)
Net Weight	30g (0.06lbs)
Product Dimensions	71*42*14mm (2.8 * 1.6 * 0.5 inches)
Gross Weight	230g (0.5lbs)
Packaged Dimensions	140*103*50mm (5.5 * 4.0 * 1.9 inches)

CONTACT US

@topdonofficial

TOPDON TECHNOLOGY Co., Ltd. | WWW.TOPDON.COM

sales@topdon.com | +86-755-21612590 | +1-833-629-4832 (North America) | +34 931 677 441 (EU)

Unit 2005 20/F, No.3040 Xinghai Avenue, Qianhai Shimao Tower, Qianhai Shenzhen Cooperation Zone, Shenzhen, P.R.China | 518000