

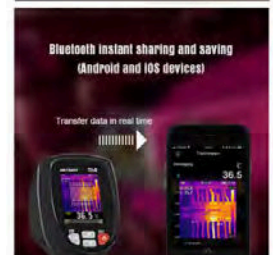
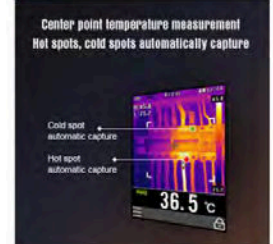
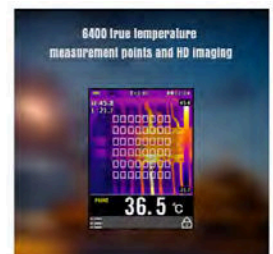
## INTRODUCTION

The Metravi TI-8 Handheld Thermal Imager is designed to make your work easier, more productive and effective. With an 120x120 pixel resolution at 50Hz for real-time capture and temperature range from -20°C to 380°C (-4°F to 716°F).

Hot/Cold spot markers automatically find the hottest and coldest spots. It comes with a Lithium polymer battery & power supply, and USB cable for PC connectivity. Bluetooth interface allows the Metravi TI-8 Handheld Thermal Imager to send thermal pictures to mobile devices.

## FEATURES

- 120x120 pixel thermal imaging system
- 6400 points real temperature fast measurements
- Hot, Cold, Center - three temperature tracking functions
- Large, easy-to-read, bright, graphical, TFT display
- 50Hz fast thermal image frame rate
- Bluetooth image instant share & save with iOS and Android smart devices
- Scene temperature range Lock function
- LED flashlight function
- Long running time up to 6 hours with Rechargeable Battery
- Smart and compact design
- Rugged industrial instrument



\*Technical Specifications & Appearance are subject to change without prior notice

**TECHNICAL SPECIFICATIONS**

|                                              |                                                                                                   |
|----------------------------------------------|---------------------------------------------------------------------------------------------------|
| Thermal Image Resolution                     | : 120x120px                                                                                       |
| Field of view (FOV) / Minimum Focus Distance | : 21° x 21° / 0.5m                                                                                |
| Spatial Resolution (IFOV)                    | : 4.53mRad                                                                                        |
| Thermal Sensitivity/NETD                     | : < 0.1°C @30°C (+80°F) / 100mK                                                                   |
| Image Frequency                              | : 50Hz                                                                                            |
| Focus Mode                                   | : Focus free                                                                                      |
| Focal Length                                 | : 7.5mm                                                                                           |
| Focal Plane Array (FPA) / Spectral Range     | : Uncooled micro bolometer / 8-14 µm                                                              |
| <b>Object Temperature Range</b>              | <b>: -20°(to+380°)((-4°Fto+716°F)</b>                                                             |
| Accuracy                                     | : ±2°C (±3.6°F) or ±2% of reading (Environment temperature 10°C - 35°C, object temperature > 0°C) |
| Display                                      | : 2" colour TFT LCD screen                                                                        |
| Display Resolution                           | : 240 x 320 pixels                                                                                |
| Spotmeter                                    | : Center Spot                                                                                     |
| Automatic Hot/Cold Detection                 | : Auto hot or cold markers                                                                        |
| Emissivity Correction                        | : 8 pre-define level and Variable from 0.01 to 1.0                                                |
| Colour Palettes                              | : Iron, Rainbow, Gray, Gray Inverted                                                              |
| Battery                                      | : Rechargeable 3. 7V (1300mA) lithium ion battery                                                 |
| Battery Life                                 | : 6 hours typical                                                                                 |
| Battery Charger                              | : SV 1 A USB charger (not include)                                                                |
| Drop Proof                                   | : Designed for up to 2 meters                                                                     |
| Communication                                | : Bluetooth BLE4.0, thermal image transfer and data logger                                        |
| Image Format                                 | : Bitmap (.bmp) with 6400 points temperature analyses and emissivity                              |
| Operating Temperature                        | : -10°C to 45°C                                                                                   |
| Storage Temperature                          | : 30°C to 55°C                                                                                    |
| Allowable Relative Humidity                  | : < 80% RH                                                                                        |



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