

Code: TPC-M60-B18-G

## HANDHELD THERMAL MONOCULAR CAMERA **TPC-M60-B18-G** 18 mm DAHUA

Thermal Monocular Camera is a handheld thermal imaging camera, intended primarily for the observation of animals in their natural environments, as well as a supporting device in rescue, physical protection and hunting.

The great advantage of the thermal monocular camera is the built-in fire detection mode, which allows you to instantly locate the initial stage of a fire. Thanks to the use of a high-performance processor, the thermal monocular camera also allows you to measure the distance from the observed object (rangefinder function) using intelligent video analysis. The use of the Wi-Fi module allows for integration with the mobile application, which significantly affects the comfort of use. The device uses a built-in Li-Ion battery, which guarantees operation up to 9 hours on a single charge.



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|-----------------------------|--|
| Sensor:                     | Uncooled VOx microbolometer  |
| Matrix size:                | 640 x 512 px   |
| Pixel pitch:                | 12 $\mu$ m   |
| Display:                    | 0.4 " LCOS, 1280 x 960 px  |
| Thermal sensitivity (NETD): | $\leq$ 50 mK @ F1.0  |
| Spectral range:             | 8 $\mu$ m ... 14 $\mu$ m   |
| Color palettes:             | 4  |
| Lens:                       | 18 mm  |
| View angle:                 | 24 °   |
| Video output:               | CVBS   |
| Memory card slot:           | Micro SD memory cards up to 256GB support (possible local recording)   |
| Image compression method:   | H.265  |
| Network interface:          | Wi-Fi  |
| Mobile phones support:      | <ul style="list-style-type: none"> <li>• Android: Free application <a href="#">DH Thermal</a></li> <li>• iOS (iPhone): Free application <a href="#">DH Thermal</a></li> </ul>                                  |
| DRI Detection Distance:     | <ul style="list-style-type: none"> <li>• Vehicle / human detection : 2000 m / 750 m</li> <li>• Vehicle / human recognition : 500 m / 192 m</li> <li>• Vehicle / human identification : 250 m / 96 m</li> </ul> |

|                              |  |
|------------------------------|--|
| Main features:               | <ul style="list-style-type: none"> <li>• Built-in fire detection mode,</li> <li>• Measure the distance from an object - rangefinder function - determining the approximate distance to the observed object based on intelligent image analysis,</li> <li>• Track the hottest or coldest spots in an image,</li> <li>• Built-in laser pointer,</li> <li>• Possibility to connect to an external monitor via the CVBS port - MMCX-J plug,</li> <li>• 4 color palettes: IRON RED - mode for long-term observations, especially at night; RAINBOW - quick target identification thanks to a wide range of colors; WHITE HOT - for observing active, moving objects; ALARM - instant detection of high temperature areas, e.g. fire</li> <li>• Hotspot Wi-Fi</li> <li>• The ability to take photos, video recordings and configure parameters using a mobile application and a mobile phone,</li> <li>• micro USB connector (battery charging)</li> <li>• D-ZOOM - Digital Zoom : 2x, 3x, 4x</li> </ul> |
| Battery operation time:      | ≤ 9 h  |
| Typical battery charge time: | < 3 h  |
| Power supply:                | <ul style="list-style-type: none"> <li>• Li-Ion battery,</li> <li>• 5 V DC / 450 mA (power adapter included)</li> </ul>  |
| Power consumption:           | < 2.2 W  |
| Housing:                     | Compact - Plastic + Rubber   |
| Color:                       | Black + Gray   |
| Operation temp:              | -20 °C ... 55 °C   |
| "Index of Protection":       | IP67   |
| Weight:                      | 0.45 kg  |
| Dimensions:                  | 193.4 x 66.4 x 68.7 mm   |
| Supported languages:         | English  |
| Manufacturer / Brand:        | DAHUA  |
| Guarantee:                   | <b>3 years</b>   |