

Code: TPC-M20-B10-G

# HANDHELD THERMAL MONOCULAR CAMERA **TPC-M20-B10-G** 10 mm DAHUA

Net: **630.79 CHF** Gross: **630.79 CHF**

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.



## SPECIFICATION

|                             |                                                                                                                                                                            |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sensor:                     | Uncooled VOx microbolometer                                                                                                                                                |
| Matrix size:                | 256 x 192 px                                                                                                                                                               |
| Pixel pitch:                | 12 µm                                                                                                                                                                      |
| Display:                    | 0.2 " LCOS, 720 x 540 px                                                                                                                                                   |
| Thermal sensitivity (NETD): | ≤ 40 mK @ F1.0                                                                                                                                                             |
| Spectral range:             | 8 µm ... 14 µm                                                                                                                                                             |
| Color palettes:             | 4                                                                                                                                                                          |
| Lens:                       | 10 mm                                                                                                                                                                      |
| View angle:                 | 17.3 °                                                                                                                                                                     |
| 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:     | 460 m                                                                                                                                                                      |

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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; BLACK HOT - for observing active, moving objects - higher temperature - darker color; WHITE HOT - for observing active, moving objects - higher temperature - lighter color; 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 / 300 mA (power adapter included)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Power consumption:           | < 1.5 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Housing:                     | Compact - Plastic + Rubber                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Color:                       | Black + Gray                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Operation temp:              | -20 °C ... 55 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| "Index of Protection":       | IP67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Weight:                      | 0.35 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Dimensions:                  | 168.7 x 58.3 x 58.6 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Supported languages:         | English                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Manufacturer / Brand:        | DAHUA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Guarantee:                   | <b>3 years</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## PRESENTATION

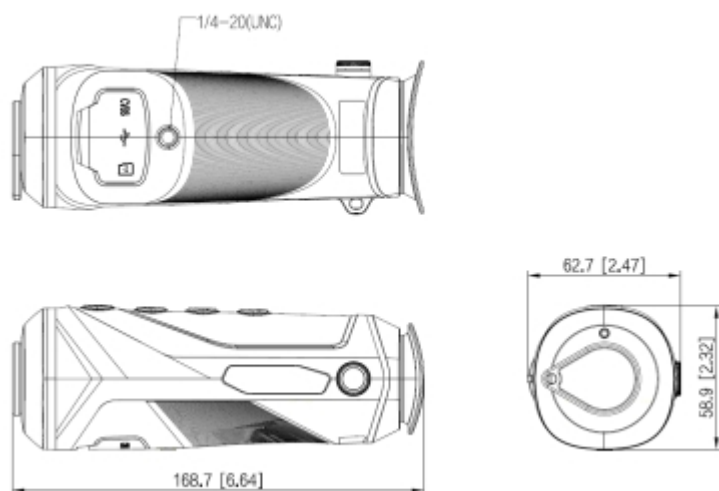


Top view:

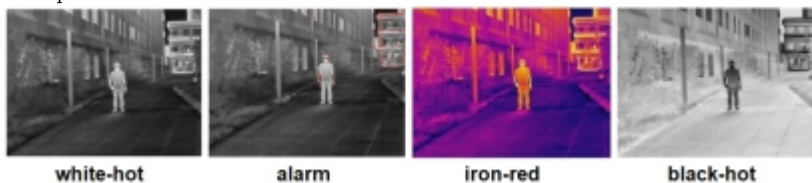


Dimensions:

mm [inch]



Color palettes:



Measure the distance from an object - rangefinder function:



**PACKAGE**

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|                                  |                    |
|----------------------------------|--------------------|
| Dimensions (L x W x H): 0x0x0 mm | Gross Weight: 0 kg |
|----------------------------------|--------------------|

