

Code: TPC-M40-B19-G

## HANDHELD THERMAL MONOCULAR CAMERA **TPC-M40-B19-G** 19 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 5 hours on a single charge.



Sensor:	Uncooled VOx microbolometer
Matrix size:	400 x 300 px
Pixel pitch:	17 $\mu\text{m}$
Display:	0.4 " LCOS, 1280 x 960 px
Thermal sensitivity (NETD):	$\leq 35 \text{ mK @ F1.0}$
Spectral range:	8 $\mu\text{m}$ ... 14 $\mu\text{m}$
Color palettes:	4
Lens:	19 mm
View angle:	20.4 °
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:	650 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:	≤ 5 h
Typical battery charge time:	< 3 h
Power supply:	<ul style="list-style-type: none"> <li>• Li-Ion battery,</li> <li>• 5 V DC / 500 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>