

THERMAL MASTER DV2 Thermal Imaging Camera



Model: TM-DV2

Manufacturer: THERMAL MASTER

EAN: 6977658980159

Product Code: 1180706

R10,713

THERMAL MASTER DV2 Thermal Imaging Camera

The THERMAL MASTER DV2 is an advanced thermal imaging camera designed for users who demand clear images, a long observation range, and reliability in the field. By combining a sensitive VOx infrared sensor with a resolution of 256×192 px with a modern image processor, the device generates an image with a quality equivalent to a resolution of 512×384 px, offering significantly more detail than competing cameras. A detection range of up to 1,000 meters, two specialized display modes, a Full High Definition touchscreen, and long battery life make the DV2 ideal for nature observation, terrain monitoring, inspections, and field operations. Its compact design, built-in 32-gigabyte memory, and IP54-rated durability make it a practical tool ready for use in almost any conditions.

Clear thermal image

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At the heart of the device is a VOx thermal sensor with a resolution of 256 × 192 px, supported by an advanced image processing chip. Thanks to interpolation technology, the camera generates an image with an effective resolution of 512 × 384 px, which translates to better sharpness and clearer detail reproduction. This allows you to detect subtle temperature differences and more easily identify observed objects, even from a greater distance. The end result resembles the image quality found in professional thermal imaging monoculars.

Detection range up to 1,000 meters

The THERMAL MASTER DV2 is designed for observing vast areas. The maximum detection range is up to 1,000 meters, allowing for effective monitoring of the terrain both day and night. The camera can detect a person from a distance of up to 300 meters and a vehicle from a distance of up to 400 meters. It is an excellent solution for those engaged in nature observation, terrain patrolling, wildlife search, or infrastructure inspections.

Digital zoom and close-up observation

The device offers a digital zoom range from 1× to 4×, allowing you to conveniently zoom in on the image without having to change your position. A minimum focusing distance of just 10 centimeters allows for high-precision analysis of small objects. The 18° field of view provides a good balance between a wide perspective and the ability to closely observe specific targets.

Touchscreen for more convenient operation

The camera is equipped with a 12.7-centimeter Thin-Film Transistor Full High Definition color screen with a resolution of 1280 × 720 pixels. The foldable display design enhances user comfort and helps conserve energy. Intuitive touchscreen operation makes it easy to change settings, review recordings, and quickly adjust operating parameters in the field.

Two display modes

The THERMAL MASTER DV2 offers two specialized operating modes that enhance observation effectiveness depending on the environment. Green Eye High Definition mode provides a detailed image and works perfectly in cool and dry weather. Orange Eye Highlight mode enhances thermal

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contrast, making it easier to detect targets in hot or humid conditions. This solution allows you to spot objects faster and better interpret the observed terrain.

Large storage capacity and long recording time

The built-in 32-gigabyte memory allows for recording up to 15 hours of video footage. The camera records files in the efficient .TS format by default, and after a software update with Wi-Fi support, recording in the .mp4 format is also possible. The 5000 mAh battery ensures long operating time during field use. With the screen folded, the camera can operate for approximately 8 hours, while with the display unfolded, the operating time ranges from 5 to 6 hours. These specifications allow for comfortable, extended observation sessions without the need for frequent recharging.

Durable and lightweight design

The IP54-rated housing protects the device from dust and splashes, increasing its reliability when operating in demanding conditions. The camera weighs just 512 grams, making it easy to carry in a pocket or backpack. Its compact size and robust construction make the THERMAL MASTER DV2 the ideal companion for long field observations and professional inspections.

In the box

- thermal imaging camera
- USB-C cable
- carrying case
- charger
- user manual

Manufacturer	THERMAL MASTER
Model	DV2
Weight	510 g
Compatibility	Smartphones connected via WiFi

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Infrared resolution	256×192 at 12 μm
Super infrared resolution	512×384
Lens	10mm
Applications	Infrared imaging, outdoor use, and night vision
Power	2 lithium-ion batteries (included)
Color	Black
Battery life	Thermal Master 5000 mAh battery, 6 hours of operation
Detection range	300 m (1.8 m – human) 250 m (1.5 m – wild boar) 200 m (1.2 m – coyote) 50 m (0.3 m – pigeon)
Image processor	3-core, FPGA+ASIC+AI{Det}
Focal length	10 mm high-energy lens ≈ 14.1 mm lens at 17 μm
NETD	≤20 mK@25°C, f/0.8
Shutterless AI	Supported, freeze-resistant
Razor X technology	Supported
Insight+ technology	Intelligent false target rejection and true target highlighting
Smart Shield Technology	Intelligent protection against harmful sunlight
Display	5-inch touchscreen, 1280×720 pixel resolution
NTSC Color Gamut	≥85%
Rangefinder (optional)	Dynamic range 656 yards, accuracy 0.1 m
Frame rate	50Hz
Dual image mode	HD: greater image detail, ideal for winter Highlight: better visibility of objects, ideal for summer
Reticle	9 professional tactical modes + 5 colors
Focus mode	Manual focus support
Built-in features	Infrared laser × 1, tactical walking light × 1, battery status indicators × 4
Special color palette for outdoor use	White Bird/Black Bird/White Glow/Black Glow/Red Glow/Iron Red/Night Vision Green
Application examples	hunting/tactics/outdoor activities/camping/field use/rescue, etc.
FOV	17.5° x 13.1°

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Memory	32GB
Charging port	USB Type-C
Video storage	Photo and video recording function
WiFi	Wireless image transmission supported
Updates	Support for free online updates
Operating temperature	-20°C □ 50°C
Storage temperature	-30°C □ 70°C

Net weight: 1139, Box length: 24,50, Box width: 23,50, Box height: 10,50, Gross weight: 1140, GPSR

Link: https://psr-assets.innpro.pl/tools/sg_tools_other.pdf, Information about data generation:

https://dataact.innpro.pl/THERMAL_MASTER/6977658980012

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