

KT-200

Indeks: WMXXKT200

Thermal Imager

Description

Regardless of whether you take photos or record videos, the newest cameras supplied by Sonel, equipped with modern detectors, a wide range of temperature measurement and high-quality lenses, ensure highly detailed images and accurate measurements. The cameras are available in several versions, thus enabling the appropriate configuration for the user’s needs. More to see, less to hold. A large display combined with innovative data processing electronics is placed in a compact housing, thus ensuring a perfect balance between high performance and small dimensions – the best choice for everyday use. Moreover, due to the centrally located navigation button supported by a menu on the touchscreen, this model ensures simple and intuitive operation. Thermal imaging is not everything. Cameras are additionally equipped with visual lenses and related image mixing technologies: PIP, MIF. Support from the built-in LED torch and laser improves operational quality by facilitating photography and then image interpretation. The picture is just the beginning. The built-in

report module allows for the preparation and printing out of reports directly from the camera. Built-in communication interfaces ensure constant communication between the camera and the computer or mobile device, also over a wireless network. Thanks to state-of-the-art technologies and solutions, the cameras ensure full control and flexibility in various situations, and are an ideal tool for both novice users and professional thermographic inspectors.

Camera features

- high sensitivity of detectors and a wide temperature range
- comprehensive image analysis tools
- intuitive user interface
- IR video recording (on the SD card or computer disc)
- built-in report module
- different imaging modes: IR, visual, PIP, MIF
- built-in visual camera: 5 Mpx
- built-in: LED torch, laser pointer
- interfaces: Micro USB2.0, Wi-Fi, Gigabit Ethernet, Mini HDMI, slot microSD

Technical Specification

Technical specification KT-200	
Detector resolution	192 x 144
Spectral range	8~14 µm
Pixel size	25 µm
Thermal sensitivity	50 mK
Focusing	Manual
IFOV (standard lens)	3.45 mrad

Minimum focus distance (standard lens)	0.5 m
Lens (field of view/focal length)	37.8° x 28.8°/7 mm (option: 14.4° x 10.8°/19 mm)
Display	4", high-quality LCD touchscreen
Imaging mode	IR /Visual/InfraFusion MIF/PiP
Zoom	1.1...4
Temperature range	Range 1: -20°C...150°C Range 2: 150°C...650°C Range 3: 650°C...1500°C (option)
Accuracy	±2°C or 2% of reading (for ambient temperatures between 15°C and 35°C and object temperature above 0°C)
Image analysis mode	5 points, 2 lines, 5 areas. Temp. readings: min., max., mean. Isotherms. Temp. difference Alarm temp. Dew point.
Palettes	8
Emissivity coefficient	Adjustable from 0.01 to 1.00 or taken from the material list.
Measurement correction	Settable distance, relative humidity, ambient (reflected) temperature
Photo image format	JPG
Notes to IR photos	Audio (60 seconds), text, graphic, photo.

Report module	PDF reports, report printing through Wi-Fi
Video file format	AVI, IRV (including information on temperature)
Built-in functions	Visual camera 5 MPix, LED torch, laser pointer, microphone, speaker.
Wireless communication	Wi-Fi
Interfaces	MicroSD card port, mini HDMI, microUSB 2.0
Power supply	Li-Ion battery (operating time >4 hours), built-in charger, AC 110-230 V (50/60 Hz) / 12 V power supply adapter
Operating temperature	-10°C...50°C
Storage temperature	-40°C...70°C
Humidity	10% ... 95%
Shock/vibration resistance	30g 11 ms (IEC 60068-2-27) / 10 Hz~150 Hz~10 Hz 0.15 mm (IEC 60068-2-6)
Housing	IP54
Weight	approx. 0.84 kg (with battery)
Dimensions (with standard lens and battery)	274 mm x 106 mm x 78 mm