KT-200

Indeks: WMGBKT200V19

Thermal imaging camera

Description

Full control and flexibility in different situations

The Sonel KT-200 thermal camera is equipped with a modern sensor with a resolution of 192x144 pixels. A wide temperature measurement range and high quality lenses guarantee a high level of detail in the recorded images. The cameras in this series are available in several variants, allowing you to choose the right configuration for your particular requirements.

Features

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 Mpix
- built-in: LED torch, laser pointer
- interfaces: microUSB 2.0, Wi-Fi, Gigabit Ethernet, microHDMI, microSD slot

Technical specification

Specifications

Parameter	Detector resolution
Description	192 x 144 / 25 µm VOx
Parameter	Spectral range
Description	7.5~14 µm
Parameter	Pixel size
Description	25 Hz
Parameter	Thermal sensitivity
Description	50 mK
Parameter	Focus
Description	Manual

Parameter	IFOV (standard lens)
Description	3.45 mrad
Parameter	min. focus distance (standard lens)
Description	50 cm
Parameter	Lens (field of view/ focal length)
Description	37.8° x 28.8° / 7 mm (optional: 14.4° x 10.8° / 19 mm)
Parameter	Display
Description	4", 480 x 800 px, high-quality LCD touchscreen
Parameter	Image modes
Description	IR / Visual / Infrafusion MIF / PiP
Parameter	Digital Zoom
Description	1.1...4
Parameter	Temperature range
Description	Range 1: -20°C...150°C | -4°F...302°F Range 2: 150°C...650°C | 302°F...1202°F Range 3: 650°C...1500°C | 1202°C...2732°C (option)
Parameter	Accuracy
Description	±2°C | ±4°F or 2% of reading (for ambient temperatures between 15°C and 35°C and object temperature above 0°C)
Parameter	Image analysis modes
Description	5 points, 2 lines, 5 areas. Temp. readings: min., max., mean. Isotherms. Temp. difference Alarm temp. Dew point

Parameter	Palettes
Description	8
Parameter	Emissivity coefficient
Description	Adjustable from 0.01 to 1.00 or taken from the material list.
Parameter	Measurement correction
Description	Adjustable distance, relative humidity,ambient temperature (reflected)
Parameter	Photo image format
Description	JPG
Parameter	IR image annotations
Description	Voice (60s), text, sketch, photo
Parameter	Reports module
Description	PDF reports, report printing through Wi-Fi
Parameter	Video file format
Description	AVI, IRV (including temperatureinformation)
Parameter	Built-in features
Description	Visual camera 5MPix, LED flashlight, laser pointer, microphone, speaker
Parameter	Wireless communication
Description	Wi-Fi
Parameter	Interface
Description	microSD card slot, microHDMI, microUSB 2.0
Parameter	Power Supply
Description	Li-ion battery (over 4h continuous

	operation), built-in charger, AC adapter 110-230 V,(50/60Hz) / 12V
Parameter	Operating Temperature
Description	-10°C...50°C | 14°F...122°F
Parameter	Storage Temperature
Description	-40°C...70°C | -40°F...158°F
Parameter	Humidity
Description	10% ... 95%
Parameter	Shock/Vibration
Description	30 g 11 ms (IEC 60068-2-27 /10Hz ~ 150Hz ~ 10Hz 0.15mm (IEC 60068-2-6)
Parameter	Housing
Description	IP54