



Alert! Fever detected!

Examine through image

Sonel KT-560M is dedicated for body temperature measurements. If the temperature exceeds a set threshold (i.e. fever), **setting off an alarm** is possible. This way, one can detect risk groups during extensive examinations. The imager can also be used to detect various diseases in individual patients and animals.

Application

The camera allows to **identify people with fever in the crowd** (e.g. caused by viral or bacterial infection). Ideally suited for sanitary-epidemiological monitoring of groups or individual people. In addition, it can be widely used in medicine (neurosurgery, neurology, vascular surgery, dentistry, otolaryngology, pulmonology, endocrinology and mammology) and in veterinary medicine.

The camera is a useful tool when detecting:

- fever
- malignant tumours of breast, skin, lymph nodes, facial skeleton and their relapses,
- inflammation and adenocarcinoma (ovary and fallopian tube),
- ear, throat and nose inflammation,
- inflammatory diseases of the joints and spine,
- diseases of the vessels and nerves of the extremities,
- thyroid dysfunction and disease,
- inflammatory and functional diseases of the kidneys, as well as the digestive system and liver,
- inflammation and diseases in animals.



Features



- measuring range 20°C...60°C, accuracy $\leq \pm 0.4^\circ\text{C}$
- 5 Mpix visual camera
- imaging modes: IR, visual, PIP (picture in picture), MIF (combined visual and IR)
- saving IR images and videos to SD card or directly to a PC
- 5" large rotating touchscreen
- built-in report module for complete thermal analysis
- add voice and text notes, draw graphical symbols on images
- adjustable brightness of the display, facilitating work at high ambient light and dark places
- GPS, digital compass, LED flashlight and laser pointer
- removable Li-Ion battery with 4-hour working time
- interfaces: microUSB 2.0, Wi-Fi, Gigabit Ethernet, MiniHDMI, SD slot

Specifications



Detector resolution	384 x 288
Detector	VOx / 25 μm / 7.5~14 μm
Frame rate	25 Hz / 9 Hz
Sensitivity	40 mK
Lens (field of vision / focal distance)	21.7° x 16.4°/25 mm/F1.0 option: 40.5° x 31.0°/13 mm 10.0° x 7.5°/55 mm
Spatial resolution (IFOV)	0.99 mrad
Focus	Motor-drive / Auto
Display	5", 1280 x 720, touch-screen LCD
Viewfinder	1280 x 960 LCOS
Image mode	IR / Visual / Infrafusion MIF/ PiP
Zoom	1.1...4
Temperature range	20°C...60°C
Accuracy	$\pm 0.4^\circ\text{C}$ (32°C...38°C) $\pm 0.6^\circ\text{C}$ (20°C ...32°C or 38°C...60°C)
Image analysis mode	5 points, 5 lines, 5 areas
Analysis info storage	Saved with image (point, line, areas)
Auto tracking	Max. or Min.
Isotherm	Upper / Lower
Temperature Alarm	Visual and voice
Palettes	8
Image file format	JPG or raw data
Reports module	PDF reports, report printing via Wi-Fi
Video file format	H.264 (with temperature data)
Video internal storage	Manual
Built-in functions	5 Mpix visual photo camera, LED flashlight, GPS, laser pointer, microphone, speaker, digital compass, lighting sensor
Wireless communication	Wi-Fi
Interfaces	SD card port, LAN 1 Gb/s, mini HDMI, microUSB 2.0
Memory	16 GB SD card (max. 32 GB)
Power supply	Li-Ion rechargeable battery (operating time >4 hours), sleep mode, built-in charger, AC 110-230 V 50/60 Hz power supply
Operating temperature	15°C...35°C
Storage temperature	-40°C...+70°C
Humidity	10%...95%
Resistance to shocks / vibrations	25G, IEC 60068-2-29 / 2G, IEC 60068-2-6
Housing	IP54
Weight	approx. 1.3 kg (with battery)



Standard accessories

Rechargeable Li-Ion battery	WAAKU18
Power adapter	WAZASZ13
USB cable (A to Micro B Type)	WAPRZUSBMICRO
RJ45 cable	WAPRZRJ45
HDMI cable	WAPRZHDMI
16 GB SD memory card	WAPOZSD16
Shoulder strap	WAPOZPAS3
M11 soft carrying bag	WAFUTM11

Optional accessories

External battery charger	WAZASZ14
HDMI to RCA converter	WAADAHDMIXRCP
42.1°×32.2°/13 mm wide angle lens	WAADA013V560
10.4°×7.8°/55 mm tele lens	WAADA055V560

