Sonel®

Thermal Imager

KT-256F-PRO / 256-PRO / 128-PRO

index: WMGBKT256FPRO / WMGBKT256PRO / WMGBKT128PRO

IP54

LASER POINTER

VISUAL CAMERA
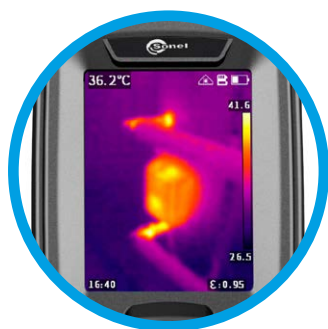
2.4" display
Clear temperature reading

KT-256F-PRO

Autofocus trigger

Sharp image with a single press

Trigger

Temperature measurement with a single press

Large buttons
Conveniently located for flawless control

KT-128-PRO • KT-256-PRO
Trigger
Temperature measurement with a single press

Feel safe with thermography

Simple thermography

KT-128-PRO / 256-PRO / 256F-PRO is a special camera. Economical, practical and handy, it is a powerful tool in everyday work.

The camera is used for basic diagnostics. It is equipped with a matrix having a resolution of:

» **KT-128-PRO |** 120 x 90 pixels,
» **KT-256-PRO • KT-256F-PRO |** 256 x 192 pixels,
supported by visual camera, laser pointer and additional features to fully meet the needs of users.
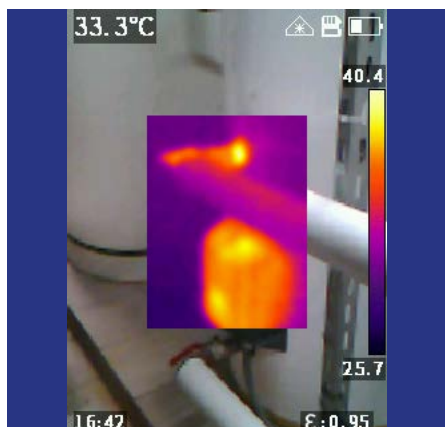
KT-256F-PRO | Autofocus

KT-256F-PRO is equipped with an automatic focus which ensures that your IR measurement pictures will always be sharp and crisp, no matter the distance.

Application

KT-128-PRO / 256-PRO / 256F-PRO is used always when the temperature of objects is important and may affect the operation of the equipment. Particularly useful in:

- power engineering (including PV installations),
- construction sector,
- industry
- HVAC.

Features

- measuring range: -20°C...550°C (-4°F... 1022°F)
- quick start
- fast temperature measurement
- automatic signalling of exceeded alarm threshold
- **KT-256F-PRO |** autofocus
- saving IR images to internal memory
- built-in Li-Ion battery with:
  - » **KT-128-PRO |** 8-hour working time
  - » **KT-256-PRO • KT-256F-PRO |** 11-hour working time
- interfaces: USB type C
- can be set up on a tripod

Specifications

	KT-128-PRO	KT-256-PRO	KT-256F-PRO
Detector resolution	120 x 90 / 17 µm VOx	256 x 192 / 12 µm VOx	
Detector	7.5~14 µm		
Frame rate	25 Hz / 9 Hz		
Sensitivity	60 mK	45 mK	
Focus	Fixed		Auto
Lens (field of vision / focal distance)	50° x 38°/2.28 mm	56° x 48°/3.2 mm	25° x 19°/7 mm
Spatial resolution (IFOV)	7.46 mrad	3.75 mrad	1.71 mrad
Display	2.4" 240 x 320 px LCD		
Image mode	IR / Visual / Infrafusion MIF / PiP		
Temperature range	Range 1: -20°C...+150°C | -4°F...+302°F Range 2: 0°C...+550°C | 32°F...1022°F		
Accuracy	±2°C | ±4°F or ±2% of reading (for ambient temperature 15°C...30°C, object temp. ≥0°C)		
Image analysis mode	Point. 3 areas. Temperature indication: min, max. Temp. alarm		
Palettes	6		
Super-resolution	2x, 240 x 180	2x, 512 x 384	
Emissivity	Selectable from 0.01 to 1.00 or from the list		
Measurement adjustment	Adjustable distance, ambient temperature (reflected)		
Image file format	JPG		
Video file format	IRGD (including temp. information)		
Built-in features	Visual camera 2 MPix, LED flashlight, laser pointer		
Wireless communication	-	Wi-Fi	
Storage	Built-in memory (16 GB)		
Interfaces	USB type C, tripod		
Power supply	Li-Ion battery (operating time >8 hours), built-in charger (charging time <2.5 hour), AC adapter 100-240 V, 50/60 Hz	Li-Ion battery (operating time >11 hours), built-in charger (charging time <2.5 hour), AC adapter 100-240 V, 50/60 Hz	
Operating temperature	-15°C...+50°C | 5°F...122°F		
Storage temperature	-40°C...+70°C | -40°F...+158°F		
Housing	IP54		
Weight	ca. 0.36 kg | 0.79 lbs	ca. 0.38 kg | 0.84 lbs	

Standard accessories

	KT-128-PRO	KT-256-PRO	KT-256F-PRO
USB charger WAZASZ20	√	√	√
Type C USB cable WAPRZUSBC	√	√	√
Wristband WAPOZPAS1	√	√	√
Declaration of verification	√	√	√

Optional accessories

S-1 carrying case
WAFUTS1

Calibration certificate with accreditation