



ED-320 / ED-250 / ED-165

index: WMGBED320V7 / WMGEDT250V7 / WMGBED165V5



Description

Solid and portable tool for daily tasks. This is the main goal when designing a line of budget cameras with a visible spectrum lens. Modern IR sensors available in three resolution versions are supported with the visible spectrum lens, which allows operation in four modes: IR, visual, PIP (picture in picture) and MIF (contours visible on IR image). A high- quality image is presented on a clear display with backlighting adjustment. Despite the low price, the camera has been equipped with a set of the essential, but necessary tools for analyzing and correcting images/measurements. The re- sults of the work can be saved on an SD card or sent via USB or WiFi for further processing. Professional software for thermogram analysis completes the unit. This makes the camera an ideal tool for maintenance personnel, electricians, the construction industry and others, in their daily tasks. Thanks to state-of-the-art technologies and solutions, the cameras of the Sonel company ensure full control and flex- ibility in various situations, and are an ideal tool for both novice users and professional thermographic inspectors.

Features

- solid and portable tool,
- intuitive user interface
- 1-hand operation,
- high-capacity, replaceable Li-Ion battery
- different imaging modes: IR, visual, PIP, MIF
- built-in visual camera: 5 MPix

Model	ED-165	ED-250	ED-320	
Petector resolution	160 x 120	256 x 192	320 x	
Spectral range		7.5~14 μm	240	
Pixel size	12 μm	12 μm	17 μm	
hermal sensitivity		≤50 mK		
ocusing		Fixed focal		
FOV (standard lens)	3.30 mrad	2.36 mrad	2.33 mrad	
Ainimum focus distance standard lens)	0.5 m			
ens field of view/focal length) risplay	30.0° x 22.0°/3.7 mm	35.0° x 26.0°/5 mm	42.5° x 32.5°/7 mm	
naging mode		3.5", high-quality LCD		
	IR / Visual / MIF / PiP			
oom		x2 / x4		
emperature range		-20°C650°C		
ccuracy	±2°C or ±2% of reading (for ambient temperatures between 15°C and 35°C and an object temperature of above 0°C)			
nage analysis mode	Temp. readings: min., max. Temp. alarm			
alettes		6		
missivity coefficient	Adjustable from 0.01 to 1.00 or taken from the material list.			
leasurement correction	Settable distance, relative humidity, ambient (reflected) temperature			
hoto image format	JPG			
'ideo	Sending images via USB or Wi-Fi (option)			
uilt-in functions	Visual camera 5 MPix			
Vireless communication	Wi-Fi			
nterfaces	SD card port, microUSB 2.0			
ower supply	Li-ion battery (operating time >4 hours), built-in charger, AC 110-230 V (50/60 Hz) power supply adapter			
perating temperature	-10°C50°C			
torage temperature	-20°C60°C			
umidity	10%95%			
hock/vibration resistance	30 g 11 ms (IEC 6006	30 g 11 ms (IEC 60068-2-27) / 10 Hz~150 Hz~10 Hz 0.15 mm (IEC 60068-2-6)		
lousing	IP43			
Veight		approx. 0.72 kg (with battery)		
Pimensions (with standard lens nd battery)		258 mm x 98 mm x 90 mm		

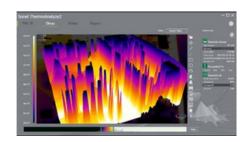
page 2/3 www.free-elec.com

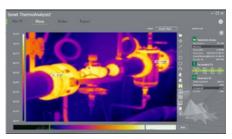
Standard accessories ————————————————————————————————————	
Li-lon 7.4 V 2.3 Ah rechargeable battery (ED-165 – 1 pc, ED-250 – 2 pcs, ED-320 – 2 pcs)	WAAKU26
MicroUSB cable for data transfer Wristband SD card Power supply (USB) for battery	WAPRZUSBMICRO
charging M-11 carrying case User manual Factory calibration certificate	WAPOZPAS1
	WAPOZSD
	WAZASZ20
	WAFUTM11

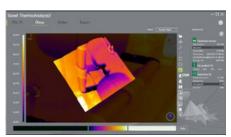
Free-elec ThermoAnalyze

A programme for analysing and reporting, included in the set of thermal imaging cameras.

- the possibility of adjusting the emissivity coefficient for the entire thermogram or its parts – the coefficient may be adjusted separately for each selected area;
- the selection of the analysed areas marking out a rectangular or oval area, or one of any other shape;
- the temperature readout at any point after moving the cursor, the temperature readout and current coordinates are presented continuously in the "Information" box; other recorded data are also available (maximum temperature, humidity, emissivity);
- the use of InfraFusion technology a thermogram in any palette chosen by
 the user is superimposed on any part of the visual picture. The thermogram
 is superimposed with a set transparency, thus enabling the optimal presentation and the marking of areas of interest, especially when the visual
 comparison of the thermogram area and the details of the visual image of
 the observed object is difficult;
- the determination and readout of the minimum, maximum and mean temperature for the whole area or in each selected area; Segment selection (straight line or polyline);
- easy report writing by transferring to the report everything which you want to include thermograms and corresponding visual pictures;
- saving all characteristic points and corrections made, allowing for further analysis at a later time;
- unlimited software licence the programme can be used on many computers simultaneously.







page 3 / 3 www.free-elec.com

Connect with Us!

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