

Description

RS-TE series is a special low cost real-time camera in 160×120 resolution. It combines the traits of economical practical and portable. The camera symbolizes easy-to-use, standard and professional, developing for those applications that need instant infrared troubleshooting in power plant, petrochemicals, scientific research, fire fighting, and building inspection, metallurgy, etc.

Features

- 160×120 Uncooled FPA detector
- Low cost
- Small size
- Optional lenses
- 50HZ real-time measurement
- Colour/Voice Alarming



Specification

Item		RS-TEi	RS-TEi- P	
Detector Characteristics	Detector type	uncooled FPA microbolometer		
	Array size/format	160 x 120		
Image Manage	Field of view/min focus distance	12° x 9°/0.3m		
	Spatial resolutions (IFOV)	1.3 mrad		
	Thermal sensitivity	0.12°C @ 30°C		
	Frame rate	50Hz	50/60Hz	
	Focus	Manual		
	Electronic zoom	N/A	2x	
	Spectral range	8~14µm		
Image display	Built-in visual camera	300,00 pixels		
	LCD	High resolution colour 2.8" LCD		
Measurement <aTD>	Temperature Ranges	-20°C ~ +250°C	-20°C ~ +250°C, optional upto +1000°C	
	Accuracy	+2°C or +2% of reading, whichever is greater		
	Measurement Correction	Automatic/Manual		
	Measurement Mode	Movable spots, Movable areas (max, min and average temperatures) Isothem Alarm (voice, color)	Up to 4 movable spots. Upto 3 movable areas (max, min, average temperatures). / L Q H S U R À O H , V R W K H P Temperature difference, Alarm (voice, colour)	
	Color palette	3	11	
	Image adjustment	Auto/Manual gain and brightness		
	Setup functions	Date/time, temperature unit, language		
	Emissivity correction	Variable from 0.01 to 1.0 or select from listings in pre-G H À Q H G P D W H U L D O O L V W		
	Ambient temperature correction	Automatic correction according to user input		
	Atmospheric transmission correction	N/A	Automatic correction according to user input object distance,	
	Image storage	Storage card	% X L O W L Q Á D V K upto 100 images	P H P R U W L Q Á D V K to 5000 images
Storage mode		Manual single image saving	Automatic/Manual single image saving	
File-format thermal		JPEG, 14 bit thermal image with measurement data		
Voice annotation		N/A	Input via built-in microphone, up to 40 secs of digital	
Laser pointer	Laser pointer	Class 2, 1mw/635nm (red)		
Power Supply	Battery type	Li-ion, rechargeable		
	Battery operating time	3 hours continous operation		
	Charging system	Intelligent charger	Intelligent charger or power supply adapter (optional)	
	Power saving	Yes		
	External power	10~15V DC		
Environment	Operating temperature	-15°C ~ +50°C		
	Humidity	<90% non-condensing		
	Encapsulation	IP54		
Physical characteristics	Weight	0.6kg		
	Dimensions	250mm x 100mm x 72mm		
Interface	External DC input	N/A	Yes	
	Audio output	N/A	Yes	
	Video output	N/A	PAL/NTSC	
	USB	Image measurement data transfer to PC	Image measurement data & voice transfer to PC	