



As sonel Infrared's newly launched thermographic IR camera, kt series continues sonel's tradition of offering both high-quality and innovative features. kt series' highlights lies in its rugged and ergonomic design. More than that, its brief operation interface and intelligent button navigation would make the first time user feel as an expert. kt series are equipped with optional lens set for different FOV requirements in different occasions. With built-in illuminator, you can easily take visible photos and compare them with IR photos, which help you find problems more easily.

Features and Benefits

- **4" high light touch screen**
Adjustable brightness. Still clear under sunshine. All operation can be completed on the touch screen
- **Optional Lens set**
You can choose the proper lens for different occasions
- **Built-in illuminator**
Take visible photos in the low lighting environment
- **Different image type**
IR, visible, MIF, PIP
- **Removable SD card**
Up to 32G storage capacity for photos and videos compression storage
- **Wi-Fi share**
Share IR images and findings immediately
- **Connected with mobile terminal**
Connected with mobile terminal to take IR photo, to achieve multi screen control

Applications

- Electrical equipment inspection
- Mechanical maintenance
- Building diagnostic
- Medical diagnosis
- Telecom equipment inspection
- Chemical industry equipment inspection



Specifications

Model	KT 160	KT 400
Detector type	Un-cooled FPA	
Detector	160×120	384×288
Pixel size	25µm	25µm
Spectral range	8µm~14µm	
NETD	60mk	45mk
Lens		
Focal length	7mm	19mm
F#	1.1	1.0
IFOV	3.57mrad	1.32 mrad
Min. focus distance	0.5m	
FOV	31.9°×24.2°	29.5°×22.3°
Optical lens	Tele	10.4°×7.8°/15mm/F1.1
	Wide angle	N/A
	High temp	Yes
Lens installation	Buckle	
Focusing mode	Manual	
Measurement Analysis		
Temp range	1	-20~150°C
	2	150~650°C
	3	400~1500°C(High Temperature Filter)
Accuracy	±2°C /±2%	
Measurement presets	Emissivity, environment temperature, distance, relative humidity	
Radiometric analysis	5 spots, 2 lines, 5 areas(max temp, min temp, average temp), Δ T, isotherm	
Image Presentation		
Display	4"high light touch screen	
Image type	IR, visible ,MIF, PIP	
Hardware		
Hardware	Visible (5 M Pixel), laser, illuminator , Wi-Fi, microphone , speaker	
Interface	USB,HDMI, SD card (16G, up to32G)	
Power System		
Battery type	Li-Ion rechargeable ,operation time ≥4hours	
Certification	UN38.3	
Power management	Intelligent sleep mode	
Charge mode	In camera	
Function		
Digital zoom	1.1~4	
Palette	8	
Image storage	Standard JPG data with temp info, image can be displayed on PC with temp. info	
Video storage	Standard H.264 video with temp info	
Info superimpose	Customized LOGO, emissivity, shooting date and time, TMAX,TMIN	
System setting	date, language, timing on and off, factory reset	
Startup time	≤40S	
Image annotation	Voice, text, mark	
Other	60S voice record, isotherm, high/low temp tracking, temp alarm, dew point temp, low battery alarm, instant report	
Working environmental parameter		
Encapsulation	IP54	
Drop test	2m	
Working temp	-10°C~50°C	
Storage temp	-40°C~70°C	
Certification	ROHS,CE,UL	
Dimension	264mm×137mm×78mm	
Weight	740g	

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