Touch screen thermal imager ALT400/ ALT800 series
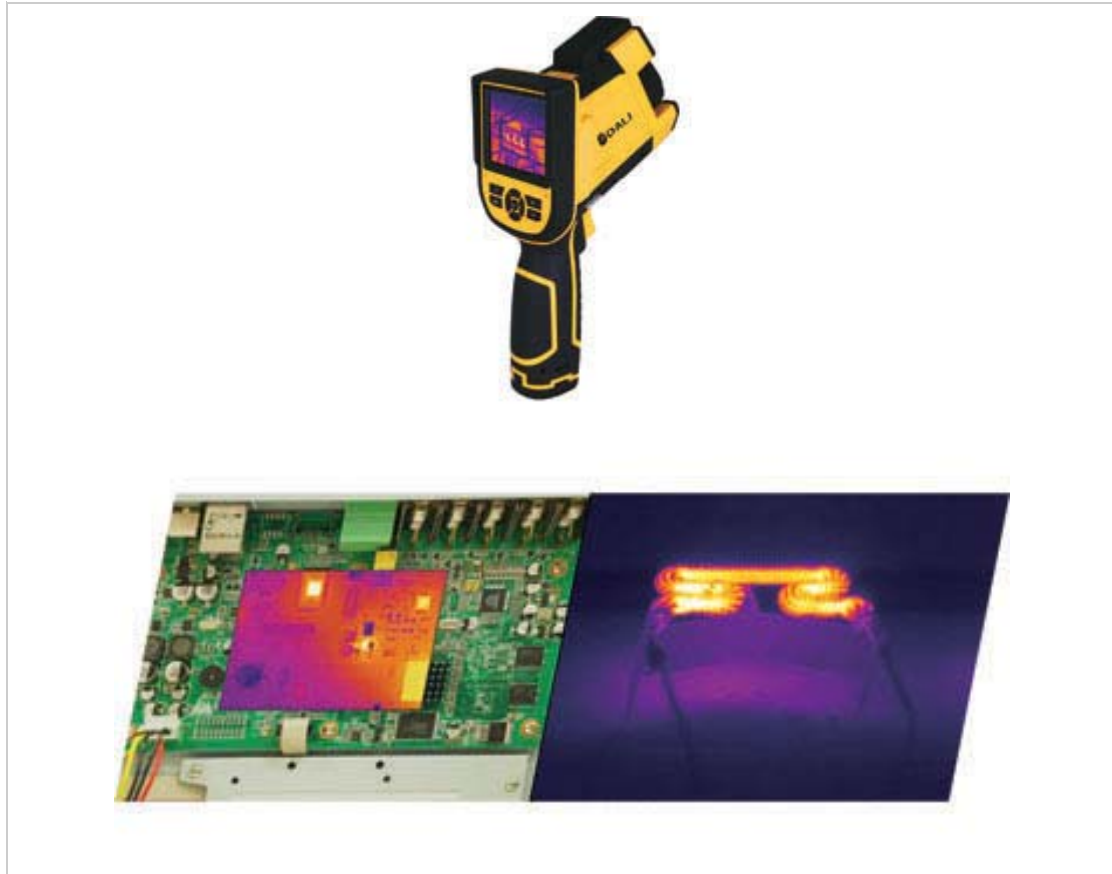
INFRAED IMAGE

2-METER DROP RESISTANCE

Product Description

◆2-meter drop resistant

◆3 million daylight image

◆3.6'' touch screen

◆Dual LED film lights make clearer slot

◆Fusion display of IR & daylight image

◆Real-time transmission of pictures and infrared videos

◆bluetooth audio transmission

Item		ALT400	ALT800
Detector	Detector type	Uncooled FPA micro bolo meter	

characteristics	Array size/format	160×120/384×288	
Image manage	Field of view/min focus distance	25°×19°/0.5m	
	Spatial resolutions(IFOV)	2.37mard	1.37mrad
	Thermal sensitivity	≤0.08℃ @30℃	≤0.06℃ @30℃
	Frame rate	50HZ	
	Focus	Manual	
	Electronic zoom	2X,4X	
	Spetral range	8～14μm	
	Build-in CCD camera	3 million pixels, COMS camera modules, 2 LED lights	
Image display	LCD display	3.6″ TFT LCD, 640*480	
Measurement	Temperature ranges	-20℃ ～ +350℃(can expand to 1000℃)	-20℃～+600℃(can expand to 1200℃)
	Accuracy	±2℃ or ±2% of reading, whichever is greater	
	Measurement correction	Automatic/manual	
	Measurement mode	Up to 5 movable spots. Up to 5 movable areas(maximum, minimum and average temperatures).Up to 2 movable lines.Line profile. Isotherms. Temperature difference. Alarm(voice,color)	
	Color palette	Color palette 11 palettes changeable	
	Image adjustment	Auto/manual gain and brightness	
	Setup functions	Date/time, temperature unit, language	
	Emissivity correction	Variable from 0.01 to 1.0	
	Backgroud temperature correction	Automatic correction according to user input	
	Atmospheric transmission correction	Automatic correction according to user input object distance, humidity and temperature	
Image storage	Storage Card	8G SD card, max 32G	
	Storage mode	Automatic/manual single file saving, IR and Visual image link saving	
	File format	Thermal: JPEG with original thermal measurement data included ; H.264 in network recording visual:JPEG; H.264 with fusion.	
	Voice annotation	Input via built-in microphone Up to 60 seconds of digital voice clip with each cared thermal imaging	
Laser pointer	Laser pointer	Class 2,1mw/635nm(red),IEC 60 285	

Power supply	Battery type	Li-Ion, rechargeable
	Battery operating time	3 hours continuous operation
	Charging system	Intelligent charger or power supply adaptor 12V (optional) to random charge
	Power saving	Auto-sleep and auto-shut down
	External power	12V DC
Environment	operating temperature	-15℃～+50℃
	Humidity	≤90% non-condensing
	Encapsulation	IP54
Physical characteristics	Weight	1Kg
	Dimensions	105mm×245mm×230mm
Interface	SD card slot	Micro SD card cassette
	External network input	with function of IP address real-time image transferring setup
	Video output	Yes
	Audio/data transfer	Bluetooth (earphone/RS232)

3.6″ touch screen

7.4V/1800mAh rechargeable lithium batteries inside, this is battery cap open button

Dual LED fill lights make clearer shot

300 million pixel CMOS camera modules inside

160×120/384×288 pixel

Laser locator