



北京凯普海泰科技有限公司  
Beijing Cap High Technology Co.,Ltd.



### **thermal imager ALT300/ ALT700 series**

ALT300 & ALT700 are newly designed professional handheld infrared camera tools with 160×120 and 384 ×288 two different resolution, composed of infrared camera lens, infrared imaging detector module, visible light imaging module, laser module, LCD display, memory card, rechargeable battery, software and hardware processing system.

This infrared camera can provide accurate high demand repeated temperature measurement.

- ◆2-meter drop resistant
- ◆1.3 million pixels ccd image
- ◆High cost-effective
- ◆Various temperature Measurement functions
- ◆IP54
- ◆JPEG Storage with Voice Annotation

Analysis Software--Free of Charge



Item		ALT300	ALT700
Detector characteristics	Detector type	Uncooled FPA micro bolometer	
	Array size/format	160×120	384×288
Image manage	Field of view/min focus distance	25°×19°/0.1m	
	Spatial resolutions(IFOV)	2.37mrad	1.37mrad
	Thermal sensitivity	≤0.08℃ @30℃	≤0.06℃ @30℃
	Frame rate	50/60HZ	
	Focus	Manual	
	Electronic zoom	2X	
	Spectral range	8~14μm	
Image display	LCD display	2.7" TFT LCD, 320*240	
Measurement	Temperature ranges	-20℃~+350℃	-20℃~+600℃
	Accuracy	±2℃ or ±2% of reading, whichever is greater	
	Measurement correction	Automatic/manual	
	Measurement mode	Up to 4 movable spots. Up to 3 movable areas(maximum, minimum and average temperatures).Up to 3 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
	Background 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	2G SD card, max 16G
	Storage mode	Automatic/manual single file saving, IR and Visual image link saving
	File format	Thermal: JPEG with original thermal measurement data included Visual: JPEG
	Voice annotation	A 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 dormancy and auto-shut down
	External power	10~15V DC
Environment	operating temperature	-15℃~+50℃
	Humidity	≤90% non-condensing
	Encapsulation	IP54
Physical characteristics	Weight	1Kg
	Dimensions	105mm×245mm×230mm
Interface	External DC input	Yes
	Video output	Yes
	USB	Image,measurement data transfer



2-meter drop resistant



