

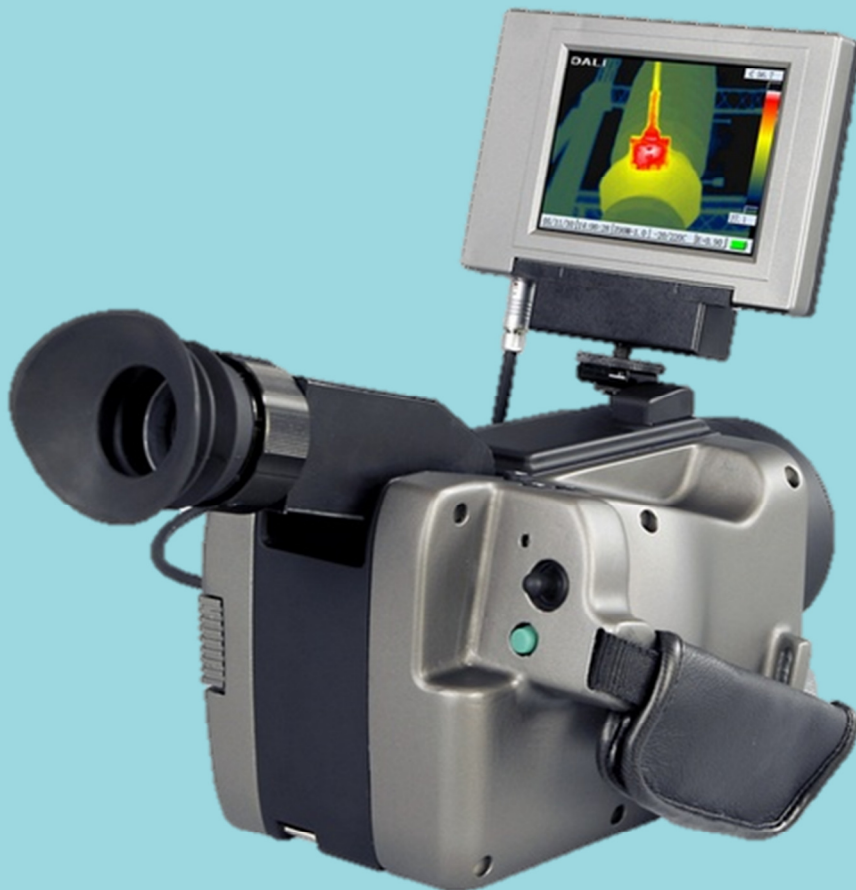


Thermal Imaging Camera

Industry Temperature Measurement

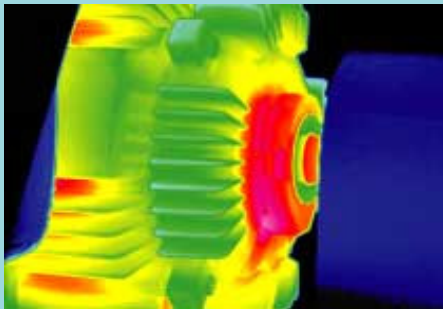
DL700 C+

384 x288 FPA UNCOOLED DETECTOR
RUGGED, LOW COST, EASY TO USE
BUILD IN VISIBLE LIGHT CAMERA



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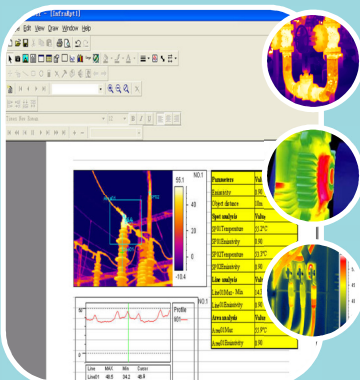
DL700 C+ Portable Thermal Imaging Camera



DL700C+ offers outstanding image quality and temperature measurement performance in an affordable, rugged and easy to use infrared camera. It works as a professional tool effective in different applications, providing professional imaging for those applications that need instant infrared troubleshooting in the power plant, petrochemical, scientific research, firefighting, and building inspection.



Free Analysis Software



Industrial

Mechanical

Electrical

Parameter	Item	Description
Detector Characteristics	Detector Type	Uncooled FPA micro bolometer
	Array size/format	384 x 288
Image Characteristics	Field of view/min focus distance	16°x12°/0.5m
	Spatial resolution(IFOV)	0.88mrad
	Thermal sensitivity	≤0.06°C@30°C
	Frame rate	50/60 Hz
	Focus	Manual
	Electronic Zoom	1-8 x continuous
	Spectral range	8-14um
Display	Build In Visual Camera	300,000 pixels, Pic. in Pic. or full
	View Finder	Built-in high-resolution color LCD
Measurement	LCD	High-resolution color LCD 640 x 480
	Temperature ranges	-20°C+500°C (Optional 1200°C)
	Accuracy	± 2 ° C or ± 2% of reading
	Measurement correction	Automatic/manual
	Measurement mode	Up to 4 Movable spots. Up to 3 Movable Areas (maximum, minimum and average temperature). Line Profile. Isotherm. Temperature Difference Alarm(voice, color)
	Color palette	9 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
	Ambient temperature correction	Automatic correction according to user input
Image Storage	Atmospheric transmission correction	Automatic correction according to user input
	Storage Memory	Built-in flash memory, CF card (1G) Up to 2000 images
	Storage mode	Automatic/Manual single image saving
	File format	JPEG, 14 bit thermal image with measurement data and linked visual image
Laser pointer	Voice Annotation	Built in microphone, up to 40 seconds digital voice recording per image store with image
		Class 2, 1mw/635nm(red)
Power Supply	Battery type	Li-Ion, rechargeable
	Battery operating time	2 hours continuous operation
	Charging system	Intelligent charger
	Power saving	YES
Environment	External power	10 – 15 VDC
	Operating temperature	-15°C+50°C
	Humidity	<90%non-condensing
Physical Characteristics	Encapsulation	IP54
	Weight	1.83Kg
Interface	Dimensions	305mmx130mmx135mm
	USB	Image, audio and measurement data transfer to PC
Interface	Audio output	Yes
	Video output	Yes (PAL / NTSC / VGA)
	External DC Input	Yes



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