



KT-150

THERMAL IMAGER



A fully radiometric camera which records temperature at each point of the image

Auto Focus (manual focus also available)

Recording real image

Recording in the extended jpg format (all data is included in the file but the image can be viewed as simple graphics)

Infra Fusion technology – viewing a combined real and infrared image for effective locating of the measurement place

Simple and clear menu and programming in English and Spanish; easily navigable even for beginners

Power supply: standard AA rechargeable cells or batteries, built-in charger

Image refreshing rate: 50 times per second

Vibration and shock resistant – stable, sharp images without a tripod

AGT – diaphragm and lens cover in one (protection + elimination of influence of lens self-heating)

6 colour palettes available

Built-in laser sight

3.6" LCD display

Large memory capacity (built-in memory + standard replaceable SD card)

Water and dust proof casing (IP54)

Compliance with EN61326-1

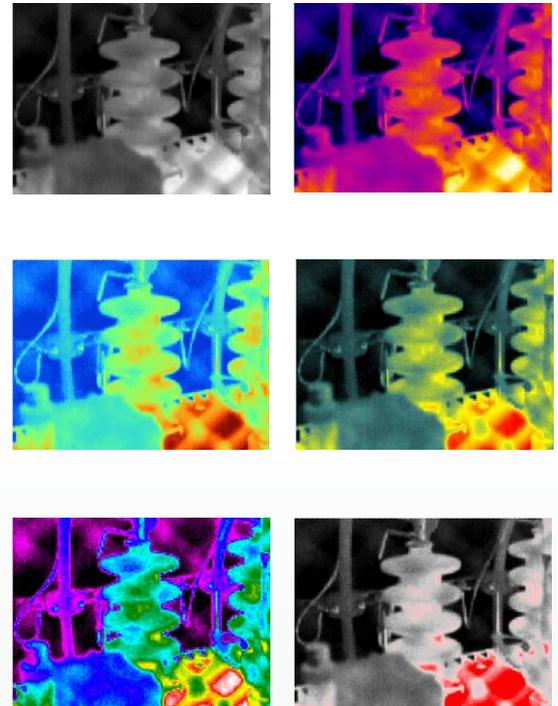
InfraFusion



High quality
thermography
for industry!



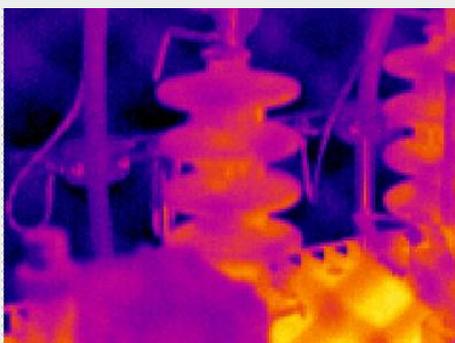
Technical specification of KT-150	
Detector type	Non-cooled microbolometric matrix (160 x 120 pixel, 25µm)
Spectral range	8-14µm
Thermal sensitivity	≤0.1°C at 30°
Field of view/ focus distance	20.6° x 15.5° / 11mm (standard lens)
Focus	Auto / Manual
Recording of visual images	CMOS sensor, 1600 x 1200 pixel, "true colours" mode (24-bit)
External display	LCD TFT 3.6", high-resolution
InfraFusion technology	Combining visual and IR image
Temperature range	-20°C do 250°C
Accuracy	±2°C or 2% reading
Emissivity	Adjustable from 0.01 to 1.00 (with 0.01 increments) atmospheric transmission and outside optical conditions
Measurement properties	Automatic correction for distance, relative humidity, atmospheric transmission and outside optical conditions
Optical transmission correction	Automatic, based on signals from sensors
Image storage	2 memory types: 2GB replaceable SD card and 150MB built-in memory
File format	JPG with thermograph data and visual image of the recorded area
Image refreshing	50Hz
Classification	A1 GaInP semiconductor, diode laser
Power supply	AA rechargeable cells, AA alkaline batteries
Charging	Built-in charger
Battery operating time	More than 3 hours of continuous operation
AC operation	AC adapter - 110/230 VAC, 50/60Hz
Working temperature	-10°C to 50°C
Storage temperature	-20°C to 60°C
Humidity	Operating and storage: 10% do 95%, non-condensing
Casing	IP54, IEC 529
Shocks	Working: 25G, IEC 68-2-29
Vibration	Working: 2G, IEC 68-2-6
Communication	USB 2.0: file transfer to PC
Weight	0.73kg (with batteries)
Dimensions	111mm x 124mm x 240mm



6 color palettes available

InfraFusion

technology overlays thermal image on the corresponding visual image.



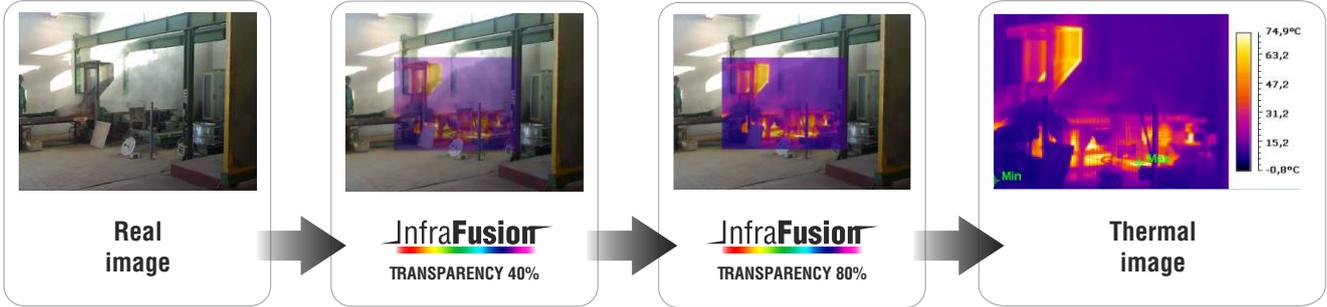
THERMAL IMAGE



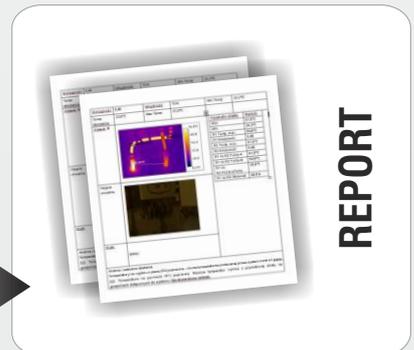
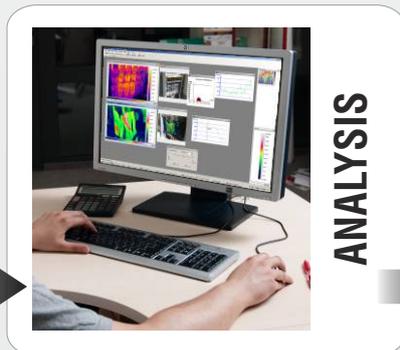
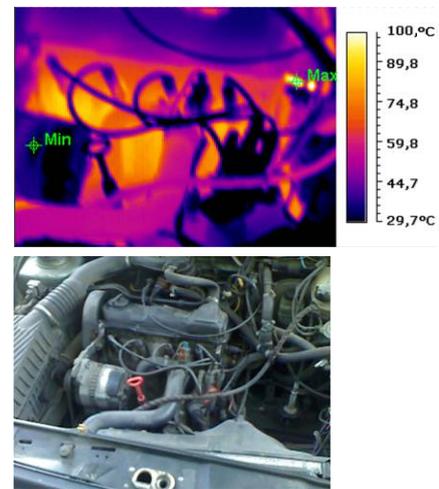
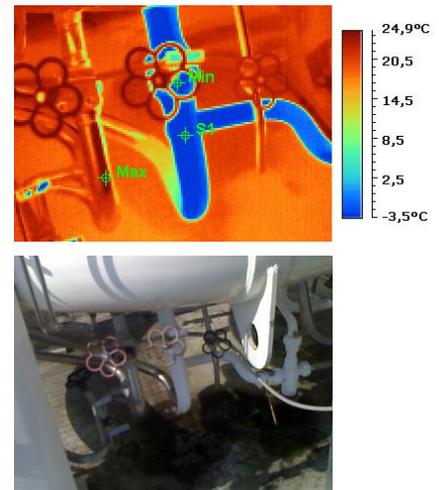
THERMAL IMAGE + REAL IMAGE



REAL IMAGE



Unlimited
applications
in many areas!



The software licence is unlimited – you can use it on many computers simultaneously.