

# ThermoCamN200

## Infrared Thermal Imaging Camera

Advanced High Resolution Infrared Thermal Imaging Camera



OLIP N200 is a 480 × 640 pixel uncooled FPA infrared camera, it has a high pixel, rotating multi-angle observation and other characteristics, its high sensitivity, the image is clear, precise temperature measurement, reliability, wide application in: power failure diagnosis, petrochemicals, iron and steel, scientific research, fire, building inspection and other fields.

- LCD display 5" High resolution color touch LCD, 800 x 480
- Temperature Ranges -40c+650 °c
- Accuracy  $\pm 2$  °C or  $\pm$  %2 of reading, Whichever is greater

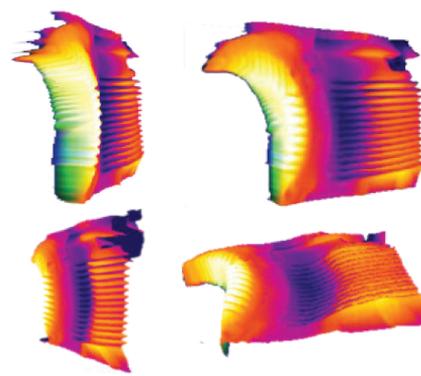
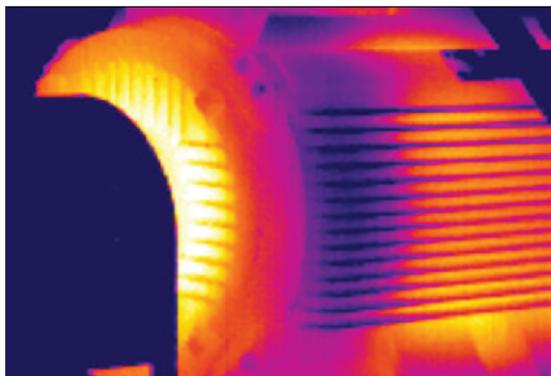
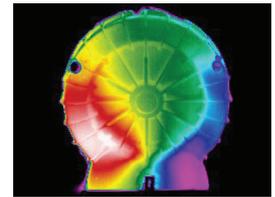
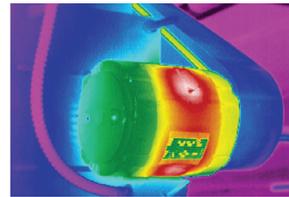
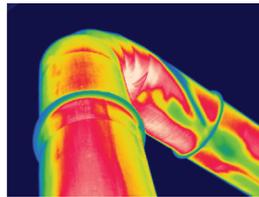
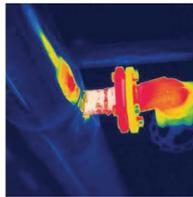
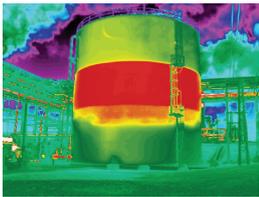


OLIP SYSTEMS

# Technical Specification

Olip N200			
Detector characteristics	Detector type	Un-cooled FPA micro-bolometer	
	Array size/format	640×480	
Image characteristics	Field of view/min focus distance	25°×19°/0.3m	
	Spatial resolution (IFOV)	0.65mrad	
	Thermal sensitivity	0.03	
	Frame frequency	50/60Hz	
	Focus	Auto/Manu electronics focus	
	Digital zoom	8×,continuous zoom	
	Spectral range	8-14um	
	Built-in CCD camera	5.0 million pixels, LED lights	
Image display	LCD display	5" High resolution color touch LCD, 800 x 480	
	Image	Fast switch between infrared image and CCD image, with fusion and picture in picture function	
Measurement	Temperature ranges	-40°C- +650°C	
	Accuracy	± 2 °C or ± 2% of reading, Whichever is greater	
	Measurement correction	Automatic / manual	
	Measurement mode	Up to 10 movable spots. Up to 5 movable areas(maximum, minimum and average temperature). movable lines. Line profile. Isotherms. Temperature difference. Alarm(voice, color)	
	Image control	Color palette	11 palettes changeable
			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 corrections according to user input	
	Atmospheric transmission correction	Automatic correction according to user input object distance, humidity and temperature	
Image storage	Storage card	CF card(8G)	
	Mode	Auto/manual saving, single thermal images and CCD image link saving, thermal and CCD fusion saving.	
	Thermal image format	JPEG (with radiometric information) MPEG4(with radiometric information)	
	CCD image format	JPEG、MPEG4	
	Voice annotation	Input via built-in microphone up to 60 seconds of digital voice clip per image stored with image	
	Text annotation	Yes	

Laser pointer	Laser locator	Class 2, 1mw/635nm(red), IEC 60 285
Power source	Battery type	Li-Ion, rechargeable
	Battery operating time	3 hours continuous operation
	Battery charging mode	Intelligent charger or power adaptor 12V(optional) to random charge
	Power saving	Auto-sleep and auto-shut down
	External power	10-15V DC
Environment	Operating temperature	-15°C-+50°C
	Humidity	≤90% (non-condensing)
	Encapsulation	IP54
Physical characteristics	Tripod mounting	1/4"-20-UNC
	Weight	1.7kg
	Dimension	245*180*150mm
	External DC input	YES
	Video output	PAL/NTSC
	Communication port	Bluetooth;RJ45



## 2D Processing 3D Processing



CBM, NDT, MAINTENANCE & HIGH PRECISION MEASUREMENT DEVICES.

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