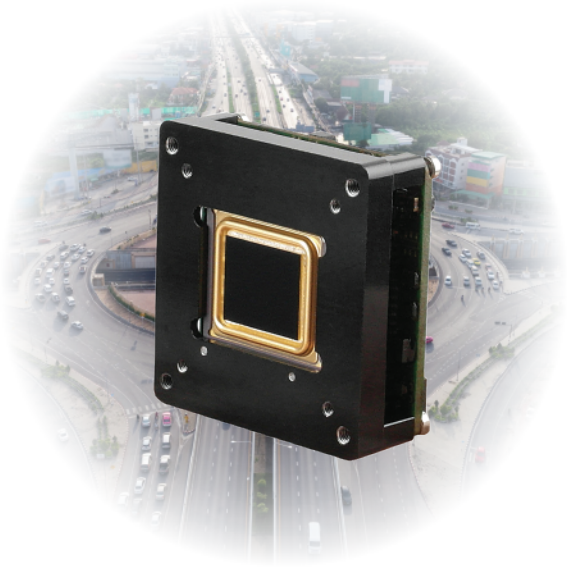
ThermTec

M702C/M502C

Analog Thermal Imaging Core

M series infrared thermal image core is adopting patented non-uniformity correction technology, and special structure design for anti-vibration that can be mainly used for observational using.



Surroundings Well-Adapted

High performance of the temperature measurement impact, needless worry at the heavy weather.

Top Starting Speed

Starting time less than 4s and ultra low power consumption.

Excellent Shock Resistancy

It is of special structure design that can reach shock resistance requirements.

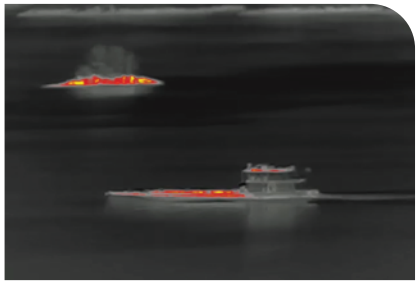
Non-uniformity correction

The image can always keep stable output, without any pause for better suitable observation.

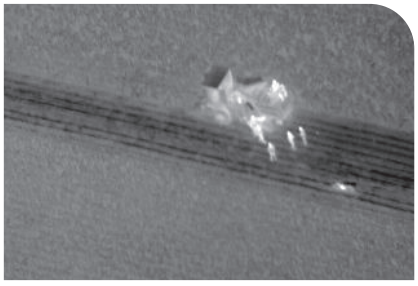
Multiple video outputs

Support digital (BT656) and analog signal synchronous outputs.

Applications



Observation



Rescue

Expedition

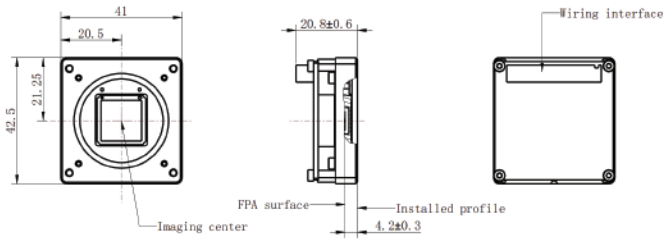
Specifications

Model	M702C	M502C
Detector	Noncrystalline infrared FPA	
Resolution/Pixel pitch	384x288/17μm	640x480/17μm
NETD	⩽50mk@300K	
Spectral range	8~14μm	
Focus Method	Fixed lens	
Focal length	9/15/19/25/40/50mm etc	
Image Effect		
Image adjustment	Auto adjustment for contrast ratio & brightness & acutance	
Uniformity calibration	NST	
Noise reduction	Digital filter	
Palette	9 Pseudo color palettes changeable	
Resolution	768*576	640*480

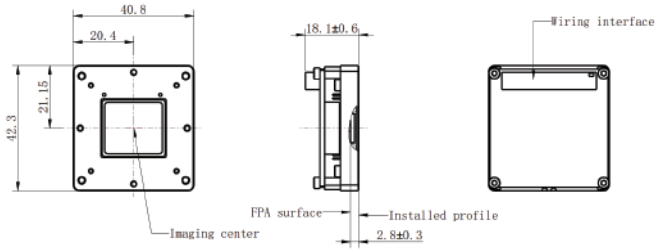
Interface		
Power interface	DC:+2.5V～5.5V	
Analogue video	Double channels	
Series port	RS232	
Digital video	BT656(29.5MHz)	
Keyboard	4 buttons keyboard	
General		
Working temperature/humidity	-20°C～+60°C, for special using:-40°C～+60°C,5%～95%RH	
Storage temperature	-45°C～+65°C	
Power Consumption	⩽0.8w	⩽1.1w
Protection level	Shock resistance, vibration:GJB150-16 2.3.1, shock:GJB150-18, testing 7 100g/6ms	
Size(L×W×H)	20.8mm*41mm*42.5mm	18.1mm*41mm*42.3mm
Weight	<40g	

Dimension

M702C



M502C



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