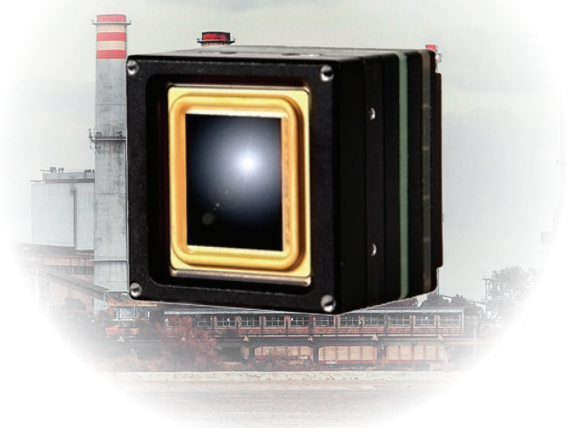


## ATOM-C

### Mini analog thermal imaging core

ATOM-C series infrared analog thermal image core is adopting patented non-uniformity correction technology, 640\*512 resolution, NETD less than 35mk, and compact design that can be mainly used for observation and integrating to the scope.



#### Surroundings well-adapted

AI calibration makes image more distinct target even if it is the extreme weather condition.



#### High shock resistance

The capacity of anti-shock up to 6000J for special application scenarios.



#### Compact design

Compact and lightweight product is easily integrated into the UVA and other.



#### Non-shutter technology

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



#### Optional video output types

Support digital (BT656) and analog signal synchronous outputs

## Applications



Coast defence



Hunting



Expedition

## Specifications

Items	ATOM505C
Detector	Uncooled VOX FPA
Resolution/ Pixel pitch	640x510/12μm
NETD	≤35mk@F1.0,300K
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	
Zoom	2x,4x	
Noise reduction	Digital filter	
Palette	9 Pseudo color palettes changeable	
Resolution	768*576	640*480

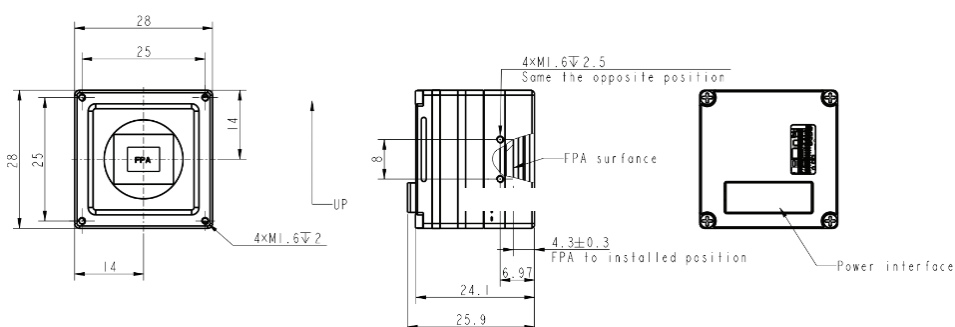
### Interface

Power interface	DC:+2.5V~5.5V
Analogue video	Double channels
Series port	RS232
Digital video	BT656(768*576) or Digital parallel
Keyboard	4 buttons keyboard

### General

Working temperature/ humidity	-20℃~+45℃,5%~ 95%RH
Storage temperature	-45℃~+65℃
Power Consumption	1.2w
Shock resistance	6000J
Size	25.9mm*28mm*28mm
Weight	<33g

## Dimension



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