

# InSb Cooled IR Detector

MWIR 640 x 512 15 $\mu$ m

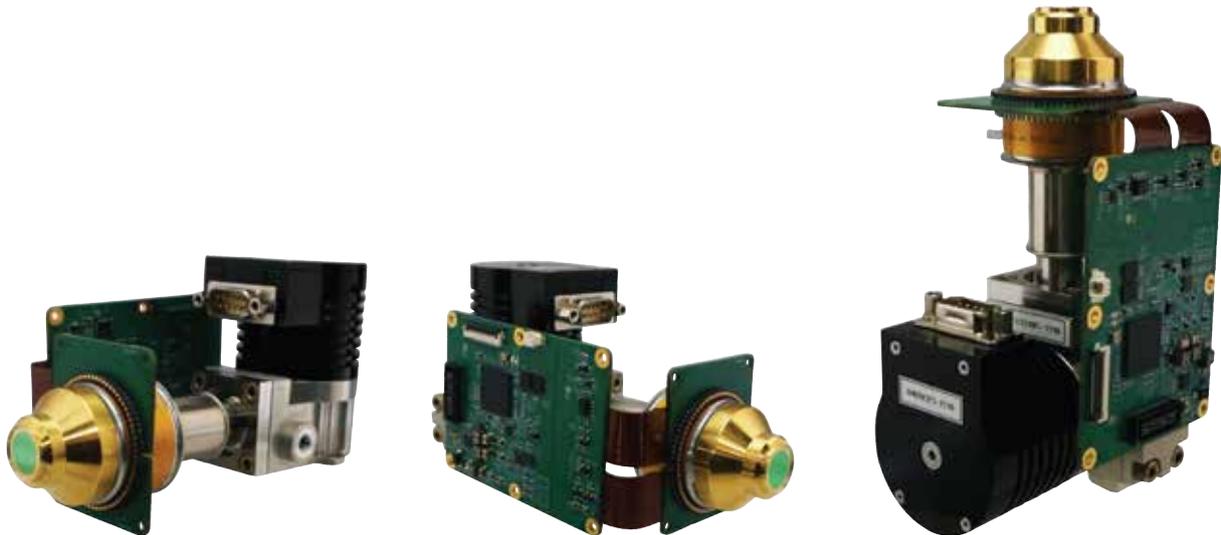
iCP640

## Array Features

- 640 x 512 15 $\mu$ m Pitch
- High Operability

## Applications

- Thermal Imaging System
- Thermal Observation Device (Day and Night)
- Surveillance System



## Images from the 2D IR detector



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## Specifications

Detector	
Detector type	InSb
Array format and pitch	640 x 512, 15 $\mu$ m
Thermal sensitivity(NETD)	< 20mK
Spectral range	MWIR (3~5 $\mu$ m)
Proximity electronics	
Input power supply	Cooler: 18V~28V(Typ. 24V), Proximity electronics: 4.75V~5.25V(Typ.5V)
Power consumption	< 8W@After Cool-down
Cooldown time	$\leq$ 7min.
ADC resolution	14bits
Video output	Camera Link
Control	RS232
Dimension (WxHxD)	66 x 78 x 140mm
Weight	< 640g
Operating temperature	-40~+71 $^{\circ}$ C

## iCE640 Dimension

