

# InSb Cooled IR Detector

MWIR 320 x 256 30 $\mu$ m / 15 $\mu$ m

DI320-30M

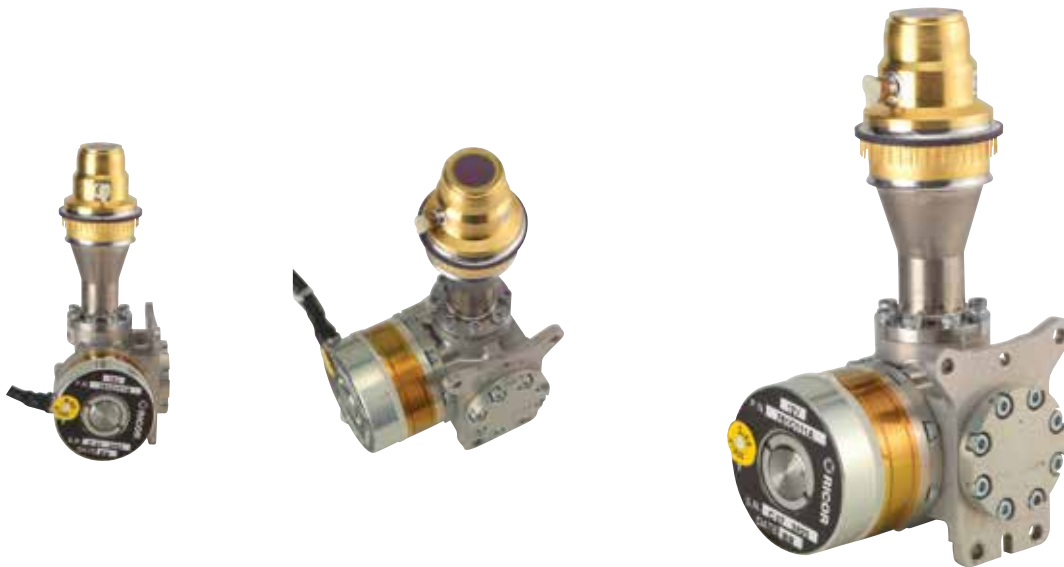
DI320-15M

## Array Features

- 320 x 256 / 30 $\mu$ m pitch
- 320 x 256 / 15 $\mu$ m pitch
- Excellent Operability

## Applications

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



## Images from the 2D IR detector



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## Specifications

Array format	320 x 256
Pixel pitch	30 $\mu$ m or 15 $\mu$ m
Detector type	InSb
Wavelength band	MWIR(3 $\mu$ m~5 $\mu$ m)
No. of output Channel	1 or 4 channels
Operability	$\geq 99.5\%$ (Typ. $> 99.9\%$ )
NETD	$\leq 20$ mK
Readout mode	ITR(30 $\mu$ m)/IWR(15 $\mu$ m)
Cooldown time	$\leq 7$ min.
Environmental condition	MIL-STD-810
Operating temperature	-40~+71 $^{\circ}$ C

## DI320-30M and DI320-15M Dimension

