

VA-C308FA

InGaAs Short Wave Infrared FPA Detector



Company:Yunnan Innova Tech Co.,Ltd

Email:dante@innovaoptics.com

Whatsapp:+86-13354947507

Web:https://www.innovaoptics.com

Parameter	
Specification of area array	640×512(pixel)
Pitch	15μm
Power voltage	3.3V
Snap-shot mode,integration then readout(ITR), integration while readout(IWR)	Yes
Input polarity	N on P
Charge capacity	6.8Me(ITR),5.5Me (IWR)
Output channels	4
Multi-mode and bloom function	Yes
Direct injection,anti-bloom funtion	Yes
Readout rate	Max.10MHz
Full frame rate up to 120MHz(640×512)	Yes
Dynamic range	≥80dB
Power consumption	≤50mW(without the cooler)

Product Configuration

The 640×512 MWIR FPA detector module mainly consists of the follwing:

- a)640×512HgCdTe FPA detector chip
- b)640×512 CMOS ROIC
- c) c330 Integrated Stirling cooler
- d) Micro dewar
- e) Infared window

Overview

The miniaturized 640×512 MWIR FPA detector module (hereinafter referred to as the"detector module") infrared radiation signals in 3-5 μ m wave band into electrical signals. All mechanial,optical and electrical interface are of universality,and can be used in various military and civilian thermal imaging systems such as various night vision equipment,panoramic searching,thermal image sighting,,forward looking warning,weapon guidance,air defense monitoring,infrared recognition,infrared diagnostic testing and temperature measurement.

