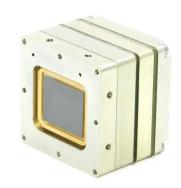


READY TO SERVE YOU THE DARKEST HOUR

ASTIR2 640

LWIR thermal imaging core

Shutterless uncooled 640 x 480 resolution. 17 µm. 50 Hz refresh rate



Specifications

Detector

Detector type
Resolution
Pixel pitch
NETD
Spectral range
Refresh rate

Amorphous silicon mircobolometer
640 x 480
17 μm
< 55 mK
Spectral range
8 – 14 μm
For Hz
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Video processing

Digital zoom

AGC

Bad pixel detection/correction

Graphics overlay
Offset correction

Addition offset correction

Sharpness adjustment Temporal noise filtering

Interfaces

Video output

Comunication interface

Physical

Size

Weight
Power-up time
Power suply

Mounting holes

O p e r a t i o n a l Operating temperature Storage temperature x1. x2. x4. x8. Continious

Advanced analysis of separate scene parts

Manual list based, automatic list based, real time

Pixel based with 256 color palette

Fully shutterless

Residual NUC recording and correction

Yes (variable) Yes (variable)

Analog (PAL); Digital (BT.656, Custom-1, Custom-2,

Custom-3, CameraLink)

UART, RS232, SPI, 2 x Quad SPI, USB

30 mm x 30 mm x 23.5 mm

32 g < 3.5 s 3 – 15 V

4 x M1.6 (front) and 4 x 2 x M2 (sides)

 -40° to $+60^{\circ}$ -55° to $+105^{\circ}$

This product is export controlled.

The thermal imaging cores are dual use products and are subject under the regulation of export outside of the EEC.

Disclaimer and copyright.

This document gives only a general description of the product. From time to time changes may ne made in properties and values.

