



## EYAS Series Cooled AD Module

Accelerator For Cooled Infrared Detector Integration



EYAS1212



EYAS615A



EYAS615B



EYAS330



EYAS615L

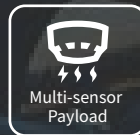
Equipped with high performance signal processing circuit, EYAS series cooled AD module is applicable to all MCT&T2SL cooled infrared detectors by GST. Standard cameralink interface could output 16 bits raw data. It is easy to OEM customers for rapid secondary development, which could shorten the development period of modules and complete products based on cooled infrared detectors.



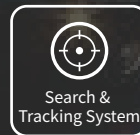
Remote  
Monitoring  
System



Hand-held  
Reconnaissance  
System



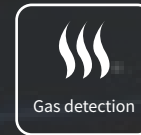
Multi-sensor  
Payload



Search &  
Tracking System



Enhanced Flight  
Vision System



Gas detection





## “Adopt high performance cooled infrared detector”

- High sensitivity with best NETD<9mK.

## “Easy to develop & integrate”



- Cameralink interface output 16bit raw data, serial port control.
- Integrated structure, dimensions are consistent with detector.
- 5V single-supply.



## “Capable of capturing high speed moving target”

- Output frame frequency is adjustable @ 1~200Hz.

Model	EYAS1212	EYAS615A	EYAS615B	EYAS330	EYAS615L
IR Detector Performance					
Resolution	1280X1024	640X512		320X256	640X512
Pixel Pitch	12μm	15μm		30μm	15μm
cyrocooler	RS058F	RS058	RS046	RS058	
Spectral Range	3.7μm~4.8μm MW				7.7μm~9.5μm LW
Cooldown Time(25°C)	≤6min		≤5.5min	≤6min	≤5.5min
NETD (20°C)	≤20mK	≤17mK	≤18mK	≤9mK	≤25mK
Working Mode					
Frame Rate	1~100Hz adjustable	1~120Hz adjustable	1~50Hz adjustable	1~200Hz adjustable	1~160Hz adjustable
Working Mode	Snapshot; Two modes of integration ITR/IWR; Windows mode; Anti-blooming				Snapshot; ITR&Interlace&binning integration mode; Windows mode; Anti-blooming
Electrical Specification					
Standard External Interface	QSH 60 pin				
Digital Video	Cameralink: Output 16bit raw data				
External Sync	CC1: INT/Frame external sync; CC2: MC External sync				
Communication	Cameralink serial port: TFG+/-, TC+/-; 9600bps				
Power Supply	1 channel imaging panel :5V, 1 channel cryocooler: 24V		1 channel imaging panel :5V, 1 channel cryocooler: 32V	1 channel imaging panel :5V, 1 channel cryocooler: 24V	
Stable Power Consumption	9W	7W	6.5W	7W	9W
Dimension(mm)	149×58.5×71	147×58.5×71	122×88×59	142×58.5×71	148×58.5×71
Weight	≤660g	≤640g	≤380g	≤640g	
Working Temperature	-40°C ~ +71°C				
Vibration Magnitude	Vibration: GJB Vehicle-mounted high speed transport; Shock: half-sine wave, 40g 11 ms, 3 axis 6 direction 3 times each.				

Specifications are subject to change without notice.

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