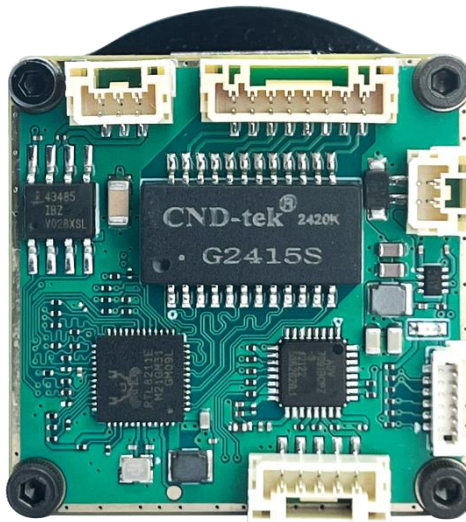




V1.5

Gigabit Ethernet thermal Module A2T-ETH-Onvif

Specification

A2T-ETH-Onvif

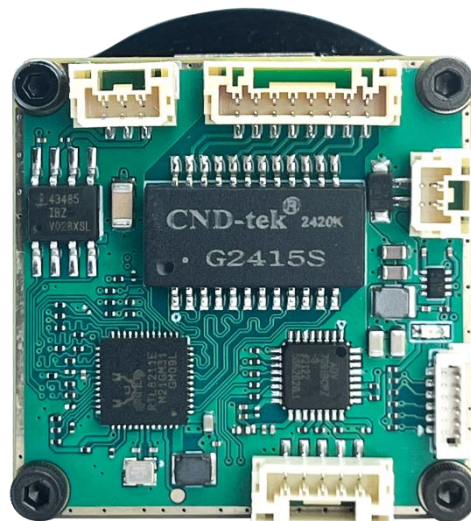
General Introduction

A2T-ETH-Onvif was a infrared thermal module that developed for industrial and security monitoring by Link-Card Tech. It use ASIC solution, equipped with a 384x288 or 640x512 resolution LWIR uncooled VOx infrared detector, image processing unit uses ARM+DSP Soc solution and has built-in an 2Gb DDR. It supports specific algorithms for infrared image processing, including but not limited to NUC, defective pixels removal, AGC, 3D denoise, 2D denoise, pseudo color etc.

A2T-ETH-Onvif supports fastboot and wide range power supply, and has some features such as high integration, small size and low consumption, user can easy to integrate. It has three output interfaces: USB(UVC driver-free) output which can be use for data analyse, AV output for analog monitor, gigabit Ethernet interface, integrated Onvif protocol; Moreover, it integrated a RS485 interface which can control the security camera. It can be use on Industrial control, security monitoring etc.

Features

- ◆ 384x288/640x512 Uncooled VOx Infrared Detector
- ◆ Supports Auto/Manual Calibration
- ◆ Integrated Compass and Motion Sensor
- ◆ Supports Reticle, Digital Zoom
- ◆ Image mode/DDE/Denoise are adjustable
- ◆ 6-24V DC power supply
- ◆ Ethernet+CVBS+USB(UVC driver-free) Output
- ◆ Integrated RS485 interface
- ◆ Gigabit Ethernet interface



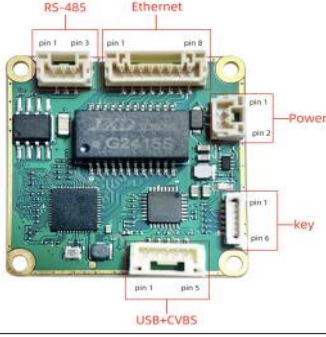
Applications

Industrial control, Security monitoring

Parameters

	Model	A2T-ETH-Onvif	
Infrared Detector	Detector Type	Uncooled VOx	
	Resolution	384x288	640x512
	Frame Rate	25Hz/30Hz/50Hz	25Hz/30Hz
	NETD	≤40mK @25°C,F#1.0	≤35mK @25°C,F#1.0
	Pixel Size	12μm	
	Spectral Band	8 ~ 14μm	
Main Function	Calibration	Auto/Manual	
	Image Mode	Black hot/White hot/Red hot/Blue-green Flames/Iron Rainbow/Spectrum	
	Compass	Supported	
	Motion Sensor	Supported	
	Reticle	On/Off/Adjust	
	Digital Continue Zoom	1.0~4.0x	
	Button	Up, Down, Left, Right, Menu button	
Interfaces	Power Port	6-24V DC	
	Key Port	Up, Down, Left, Right, Menu button	
	Video Output Port	USB, CVBS	
	Ethernet Port	1 Gbps	
	Resolution	CVBS	720x576/PAL
		USB (UVC)	384x288 640x512
Ethernet	Protocol	GigE Vision	
	Platform Access	GigE/RTSP/DHCP	
	UART	RS485(only PELCO-D)	
	Preview	Maximum 4	
Electrical Parameters	Power Supply	6-24V DC	
	Power Consumption	≤2W	≤2.5W
Other	Lens	M25 x 0.5, Multiple Focal Lengths Available	
	Dimension(No lens)	32 x 32 x 43.70mm	
	Weight(No lens)	59g	
	Operating Temperature	-20°C~60°C	
	Storage Temperature	/	
	Humidity	/	

Interfaces

	RS-485	Ethernet	Power	Key	USB+CVBS
	1.RS485_B_D- 2.GND 3.RS485_A_D+	1.DD- 2.DD+ 3.DC- 4.DC+ 5.DB- 6.DB+ 7.DA- 8.DA+	1.GND 2.Power	1.Up 2.Left 3.Right 4.Down 5.OK 6.GND	1.USB_5V 2.USB_DM 3.USB_DP 4.GND 5.CVBS_OUT
Connector model	BM03B-GHS-TB T	BM08B-GHS-TB T	BM02B-GHS-TB T	D0801WR-S-6P	BM05B-GHS-TB T

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