

CV TIF Series

Multifunctional Thermal Imaging Core Module

Specification V1.0

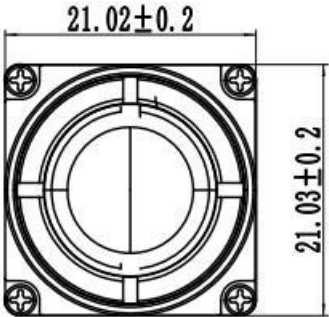
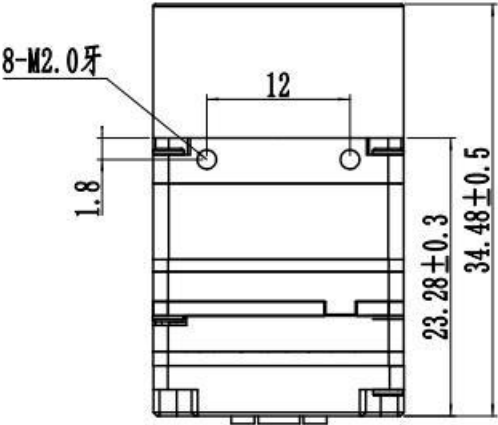
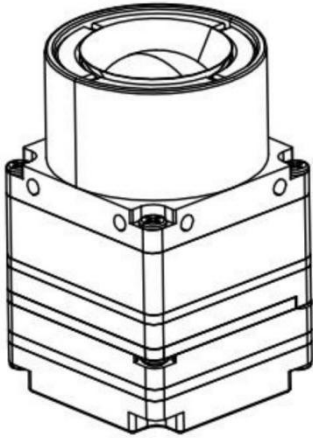
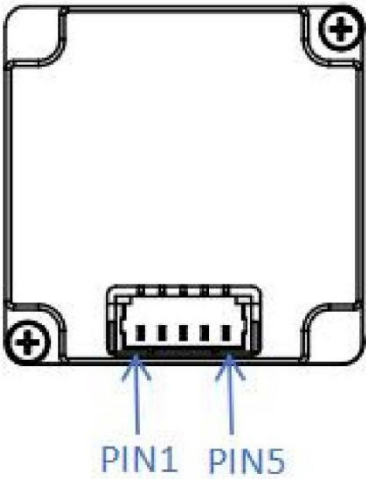


Product Model:CV640-TIF

Functional Specifications

Model		CV640-TIF-9
Lens Specifications (Supports Multiple optical lenses)	Focal Length (mm)	9mm
	Field of View(FOV)	46.2*37.7°
	Detection Distance	900m
	Recognition Distance	225m
	Identification Distance	113m
Detector Specifications	Detector Type	Uncooled Focal Plane Array Detector (VOx - Vanadium Oxide)
	Spectral Response	8~14um
	Resolution	640*512
	NETD	≤40mK@25℃, F#1.0,25Hz
	Frame Rate	60Hz
Interface Specifications	Analog Video Interface	CVBS(PAL Format)
	Control Interface	UART (Baud Rate: 115200)
	Interface Specification	SMD,P=1.25mm-5P
Function Specifications	Pseudo-color Modes	White Hot (default), Black Hot
	Image Enhancement Mode	Adjustable
	Brightness	Adjustable
	Contrast	Adjustable
	Digital Zoom	1X to 8X zoom
	Shutter Mode	With Shutter, Auto Shutter mode
	Lid Calibration	Supports UART serial protocol
	Non-Uniformity Correction (NUC)	Supports UART serial protocol
Physical Characteristics	Power Supply Input	5v~18v
	Operating Temperature	-20℃~+60℃
	Power Consumption	≤0.8w
	Shock	80g @ 4ms
	Weight	24.5g
	Dimension	21mm*21mm*34.48mm
	Secondary Development	/

Dimension Specifications / Interface

Dimensions (vary by version)	  	
Interface Definition		5pin/1.25Terminal 1: TX 2: RX 3: CVBS 4: GND 5: 5V-18V