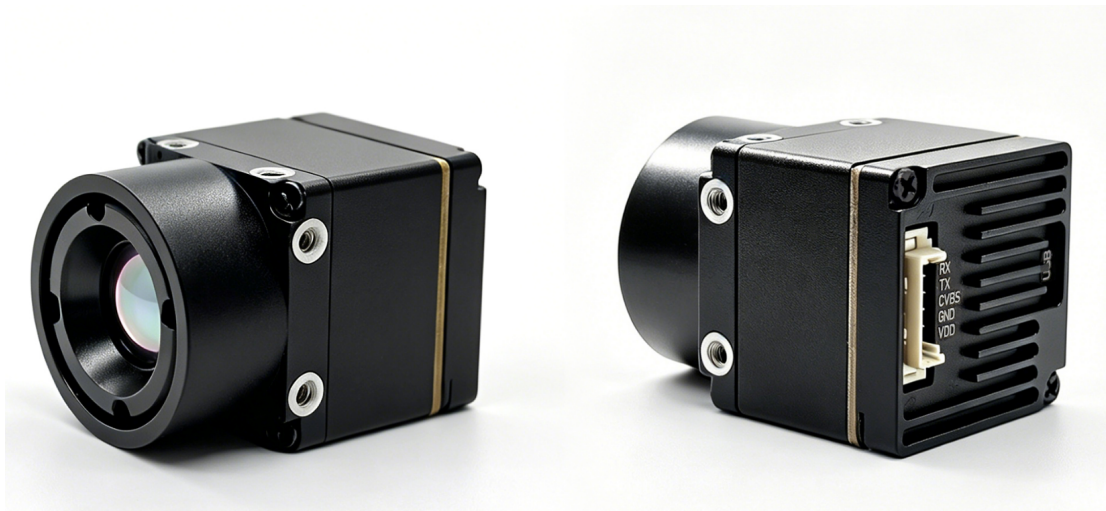


Infrared thermal imaging camera

The MD-64CA infrared thermal imaging camera features a 640x512 high-resolution detector and advanced 12 μ m technology, combined with a 9.1mm wide-angle lens. It offers both detailed imaging, high sensitivity, and a wide field of view, providing clear and stable thermal images in various scenarios such as industrial inspection, security monitoring, and outdoor search and rescue. It is the preferred professional-grade all-scenario thermal imaging solution.



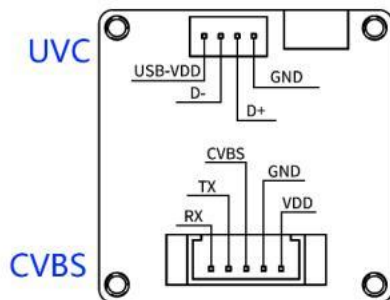
Product Features

- 640x512 high-definition resolution, 50Hz frame rate: rich picture details, clear and sharp outlines, and accurate identification of tiny targets.
- Advanced 12 μ m process: high sensitivity, capturing minute temperature differences; compact and lightweight movement, compatible with a variety of portable devices.
- 9.1mm golden focal length lens: It combines a wide-angle field of view with long-distance observation. It can cover a wide range of scenes at close range to quickly grasp the overall picture, and maintain clear imaging details at long distances, achieving comprehensive coverage from near too far.
- It also supports CVBS analog video output and USB UVC interface, making it convenient for users to connect to imaging systems using different interfaces.
- It uses a custom ASIC chip, which is small and has extremely low power consumption (<0.7W), effectively reducing the burden on the entire battery and achieving dual optimization of energy saving and portability.

Specification

model	MD-64CA
sensor	Vanadium oxide uncooled infrared focal plane detector
IR resolution	640*512
Wavelength	8~14um
Frame rate	50Hz
Field of view (FOV)	45.8° x 37.3°
lens	9.1mm
aperture	F1.0
Instantaneous field of view (IFOV)	1.31 mrad
Delay	<20ms
Power consumption	<0.7W
interface	CVBS, UVC
Standard	PAL
Wide voltage input	5-24V
Operating temperature	-20°C to 60°C
weight	23.1g

Interface definition



The product interface is shown in the image above (this direction is the front view of the image), where the interface order from left to right is:

UVC interface

No.	interface
1	USB-VDD
2	D-

3	D+
4	GND

CVBS interface

No.	interface
1	Rx
2	Tx
3	CVBS
4	GND
5	VCC

Product Dimensions

