Contents [hide]

Caddx Infra V2 Analog Camera

Product Usage Instructions

Installation Direction:

Please install the Caddx Infra V2 with the side facing down to avoid the image being upside down.

Interface Definition and Connection:

Interface Definition:

- POWER/CVBS
- USB
- UART&GPIO

Connection Method and Function:

Power / CVBS Connection:

1. POWER: FC solder pad, 9-24V
2. GND: Connect to the GND
3. CVBS: Connect to the FC CAM interface

UVC Connection Method and Output Function:

After wiring the USB2.0 interface according to the line sequence, connect the computer to power on the Infra V2 module. The computer can then read the camera image.

NTSC/PAL Switch Connection Method:

IO1A0 and GND should be short-circuited for 1 second each time to switch the mode once. After the mode switch is completed, the device will restart automatically.

Product Introduction

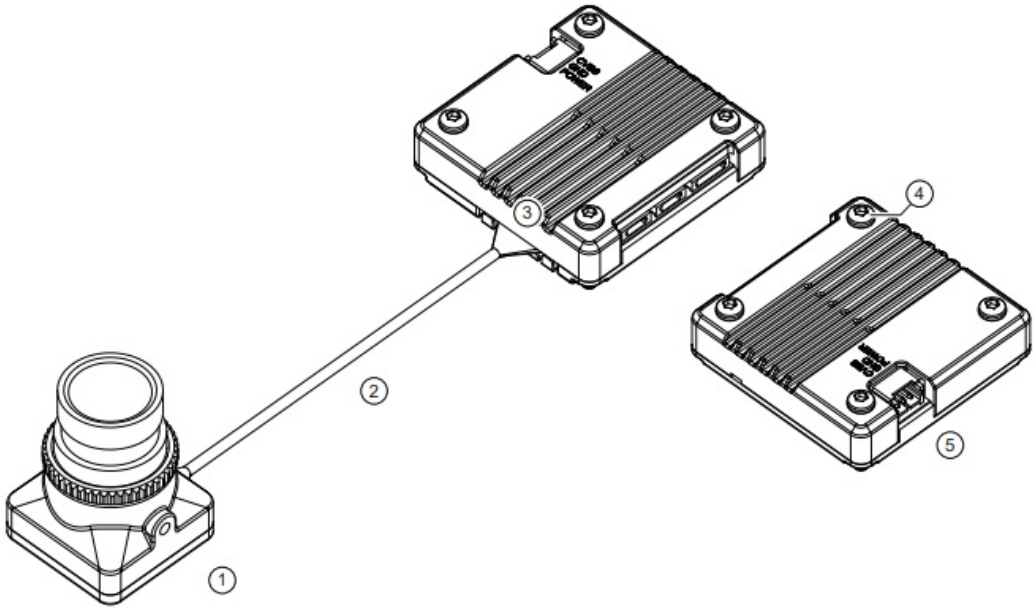
The main features of the Infra V2 black & white night vision simulation camera are as follows:

Reduced Size and Dimensions:
Utilizing a brand-new optical design to reduce lens size while ensuring the same light

intake as Infra V1, making installation easier; Adopting a higher-grade AI processing chip to reduce the size of the processor module, resulting in a thinner and lighter device.

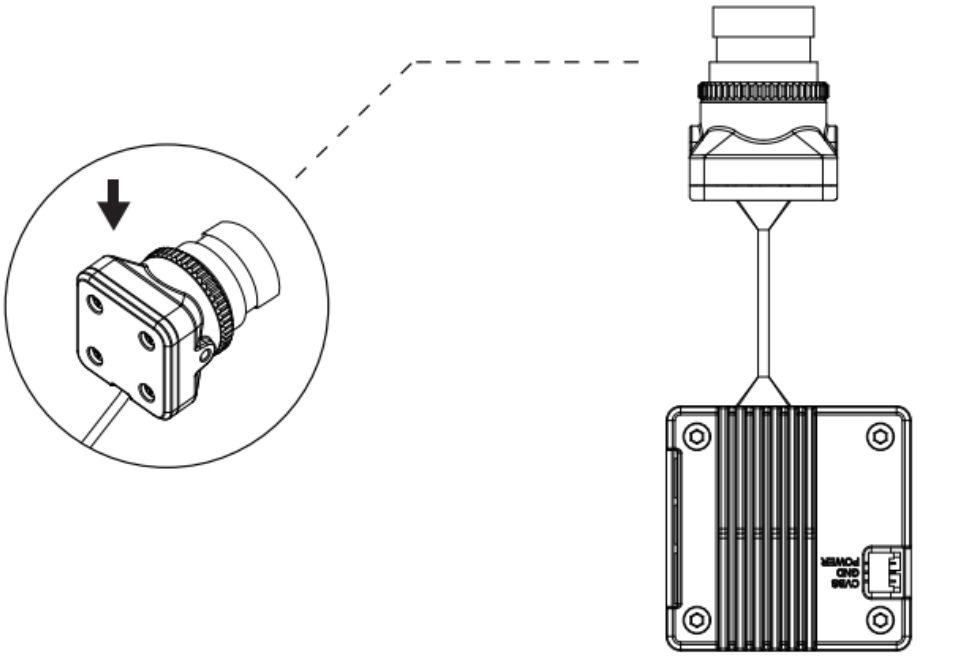
AI Image Enhancement Camera:

Equipped with the new generation Infra V2 AI night vision enhancement algorithm, improving image clarity by over 30% in low-light environments; Using AI multi-frame algorithms to enhance dynamic range during night vision, effectively suppressing overexposure/underexposure in backlit scenes and preserving full image details.



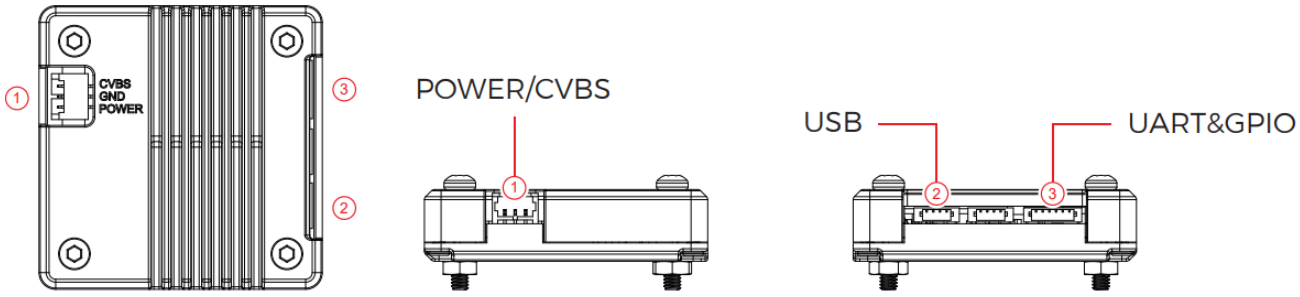
Installation Direction

*Please install with this side facing down to avoid the image being upside down.

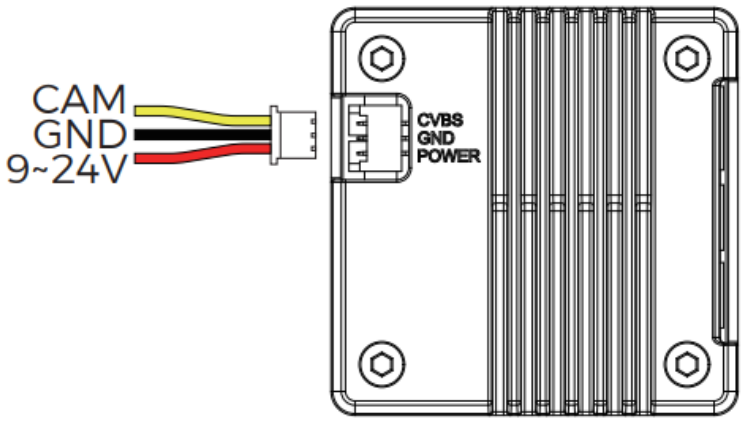


Interface Definition and Connection

Interface Definition



Connection Method and Function



Power / CVBS Connection:

1. POWER: FC solder pad, 9-24V
2. GND: Connect to the GND
3. CVBS: Connect to the FC CAM interface

UVC Connection Method and Output Function

After the USB2.0 interface is wired according to the line sequence in the figure below, connect the computer to power on the Infra V2 module, and the computer can read the camera image, as shown in Figure 1.1.

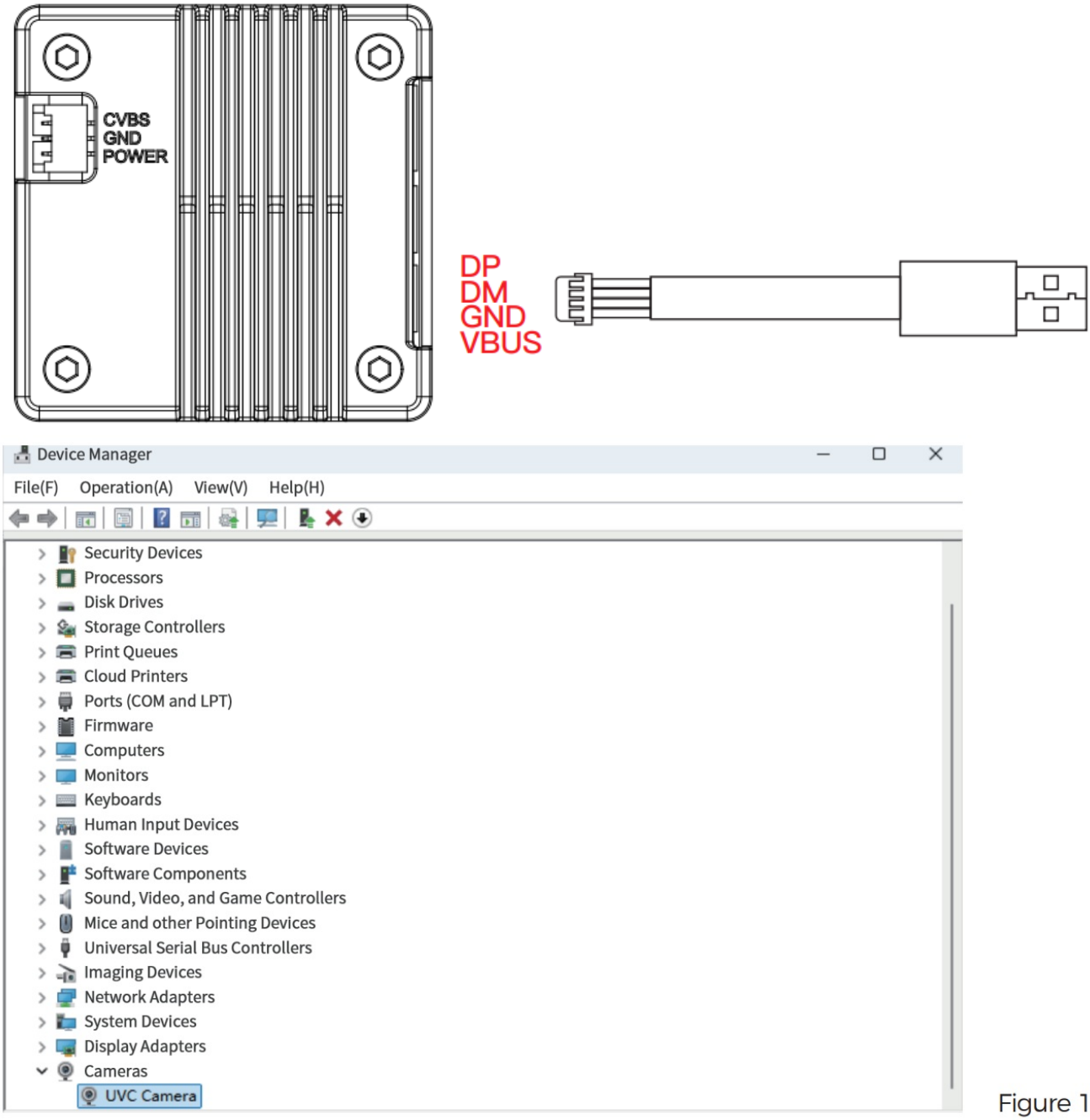
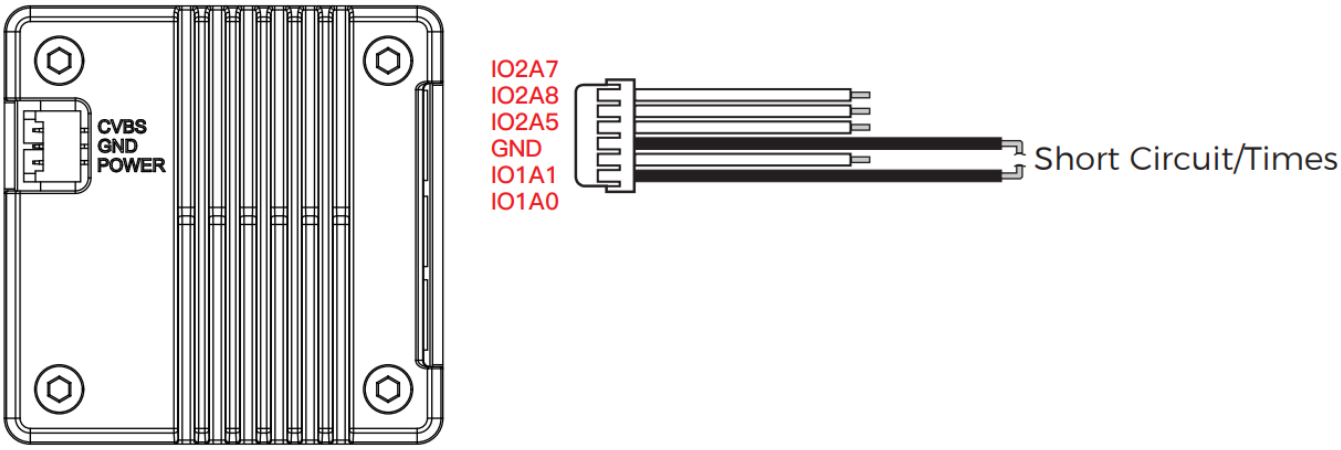


Figure 1.1

NTSC/PAL Switch Connection Method

IO1A0 and GND should be short-circuited for 1s each time to switch the mode once. After the mode switch is completed, the device will restart automatically. The default mode is P mode when the product is first unpacked, as shown in the diagram.



Specifications

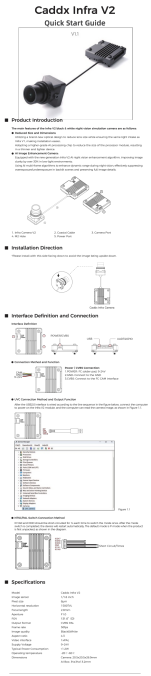
- **Model** Caddx Infra V2
- **Image sensor** 1/1.8 inch
- **Pixel size** 8μm
- **Horizontal resolution** 1500TVL
- **Focal length** 2.8mm
- **Aperture** F1.0
- **FOV** 131.6° D
- **Output format** CVBS PAL
- **Frame rate** 50fps
- **Image quality** Black&White
- **Aspect ratio** 4:3
- **Video interface** 1xPAL
- **Supply Voltage** 9~24V
- **Typical Power Consumption** <1.2W
- **Operating temperature** -20℃~60℃
- **Dimensions** Camera: 20.5×20.5×26.9mm
    - AI Box: 34x34x13.2mm

FAQ

Q: What is the default mode of the Caddx Infra V2 camera?

A: The default mode is P mode when the product is first unpacked.

Documents / Resources

	Caddx Infra V2 Analog Camera [pdf] User Guide Infra V2 Analog Camera, Infra V2, Analog Camera, Camera

References

- User Manual

Analog Camera, Caddx, camera, Infra V2, Infra V2 Analog Camera

Caddx

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