

Caddx Infra V2

Quick Start Guide

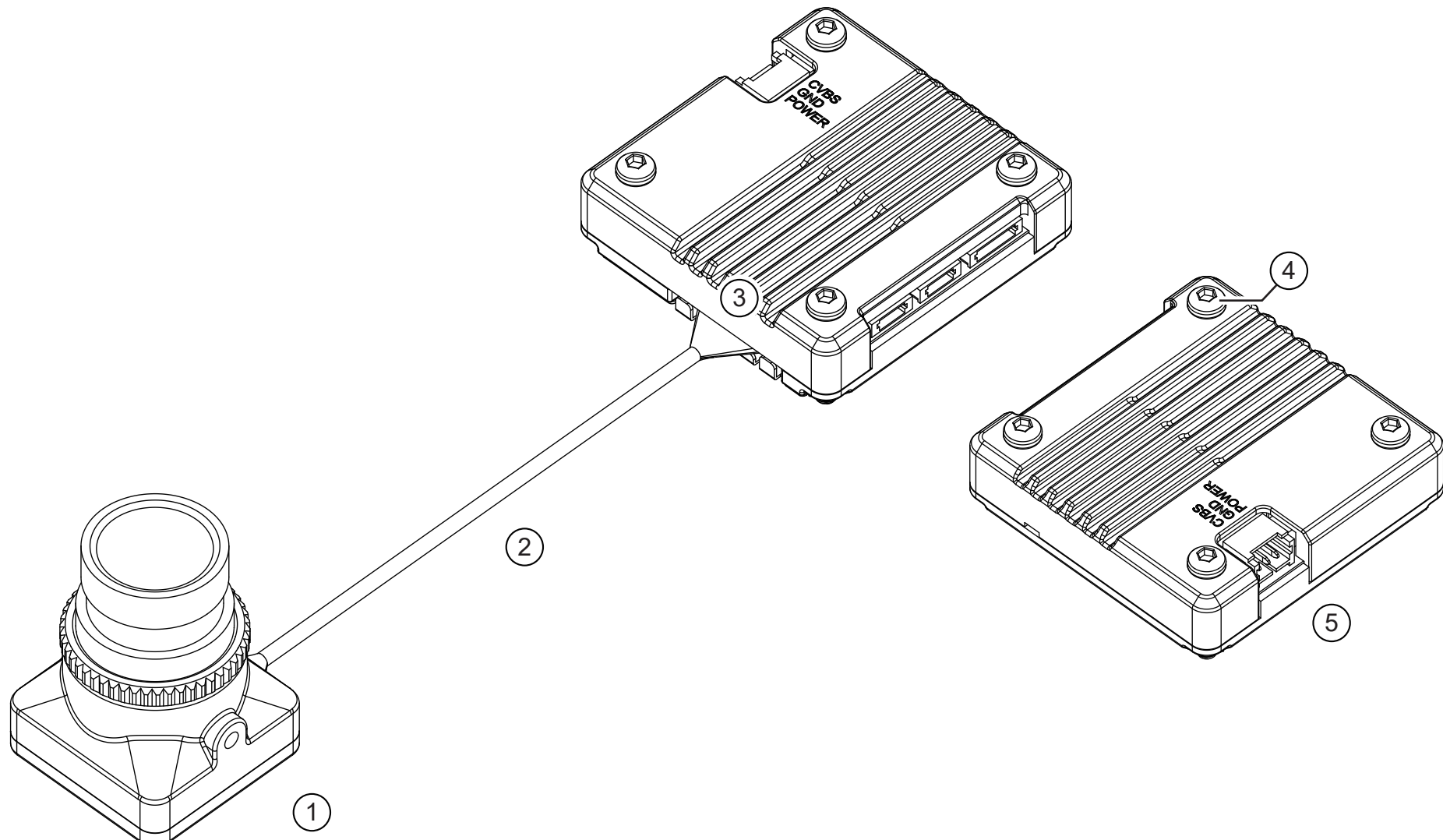
V1.0



Product Introduction

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

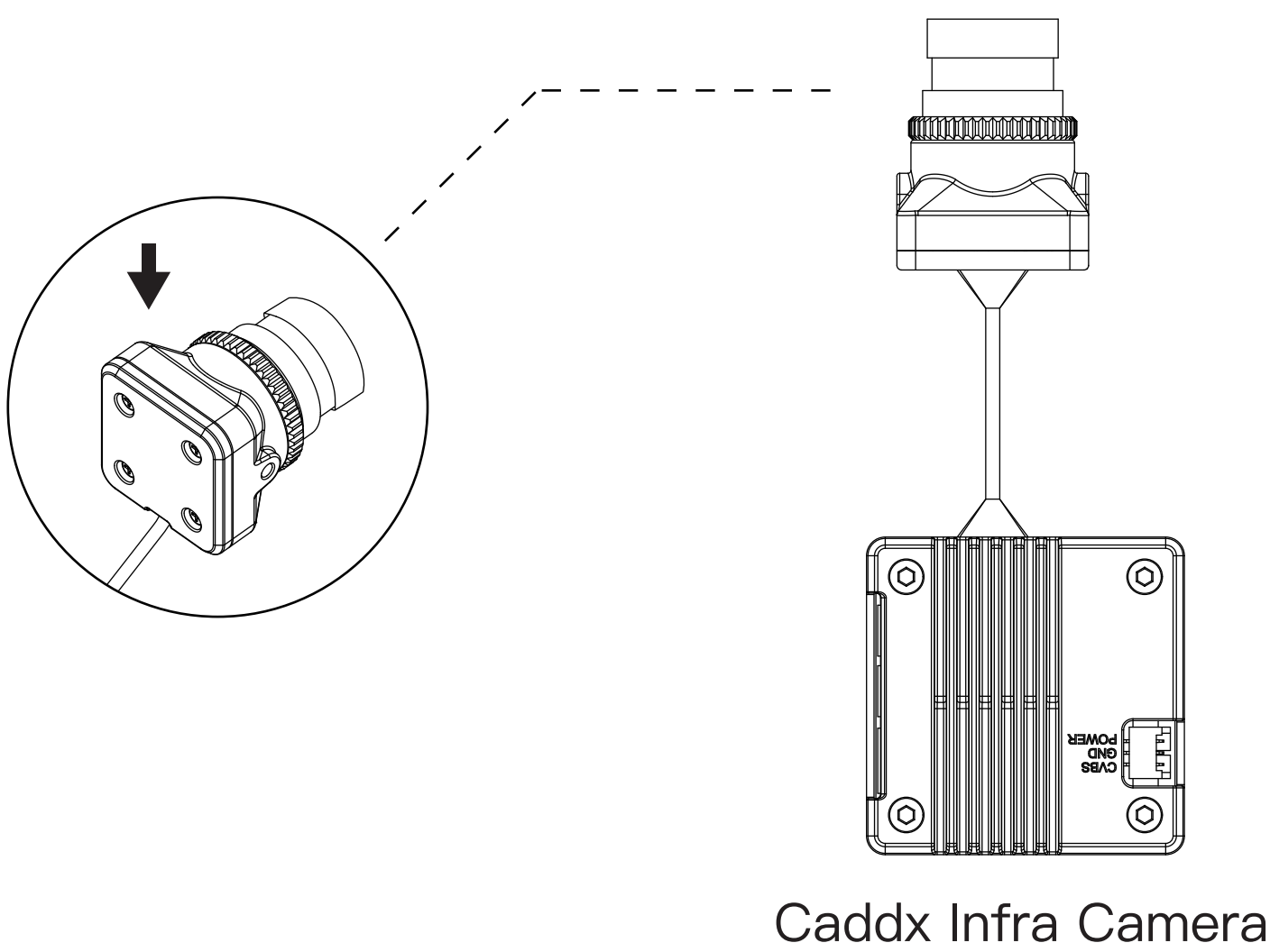
- **Reduced Size and Dimensions:**
Utilizing a brand-new optical design to reduce lens size while ensuring the same light intake as Infra V1, making installation easier;
Adopting a higher-grade AI processing chip to reduce the size of the processor module, resulting in a thinner and lighter device.
- **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.



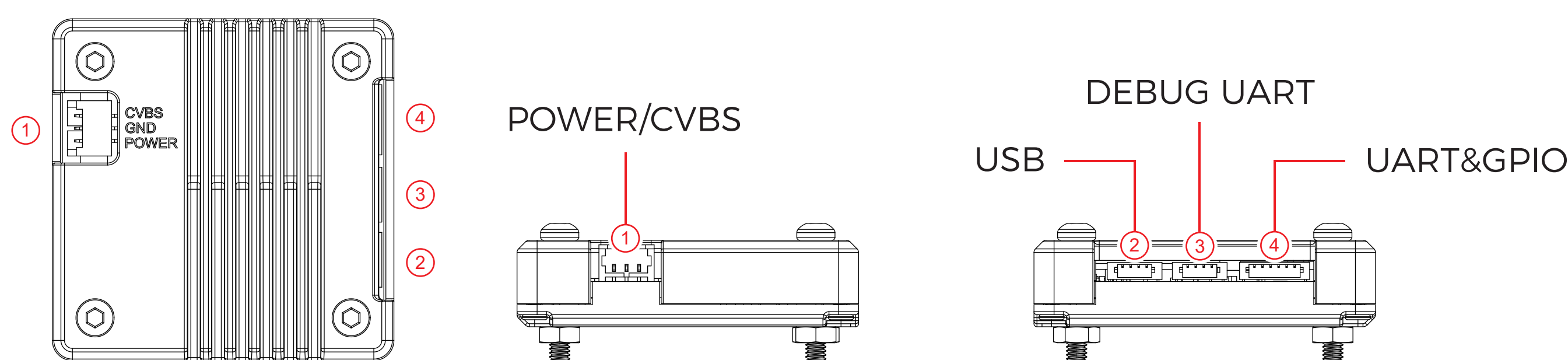
- 1. Infra Camera V2
- 2. Coaxial Cable
- 3. Camera Port
- 4. M2 Hole
- 5. Power Port

Installation Direction

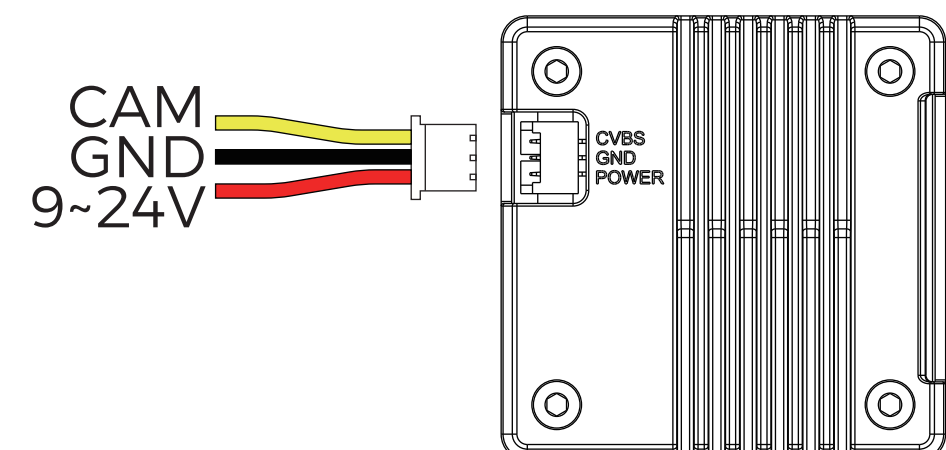
*Please install with this side facing down to avoid the image being upside down.



Interface Definition



Connection



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

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: 20.5x20.5x26.9mm AI Box: 34x34x13.2mm

Caddx Infra V2

使用说明

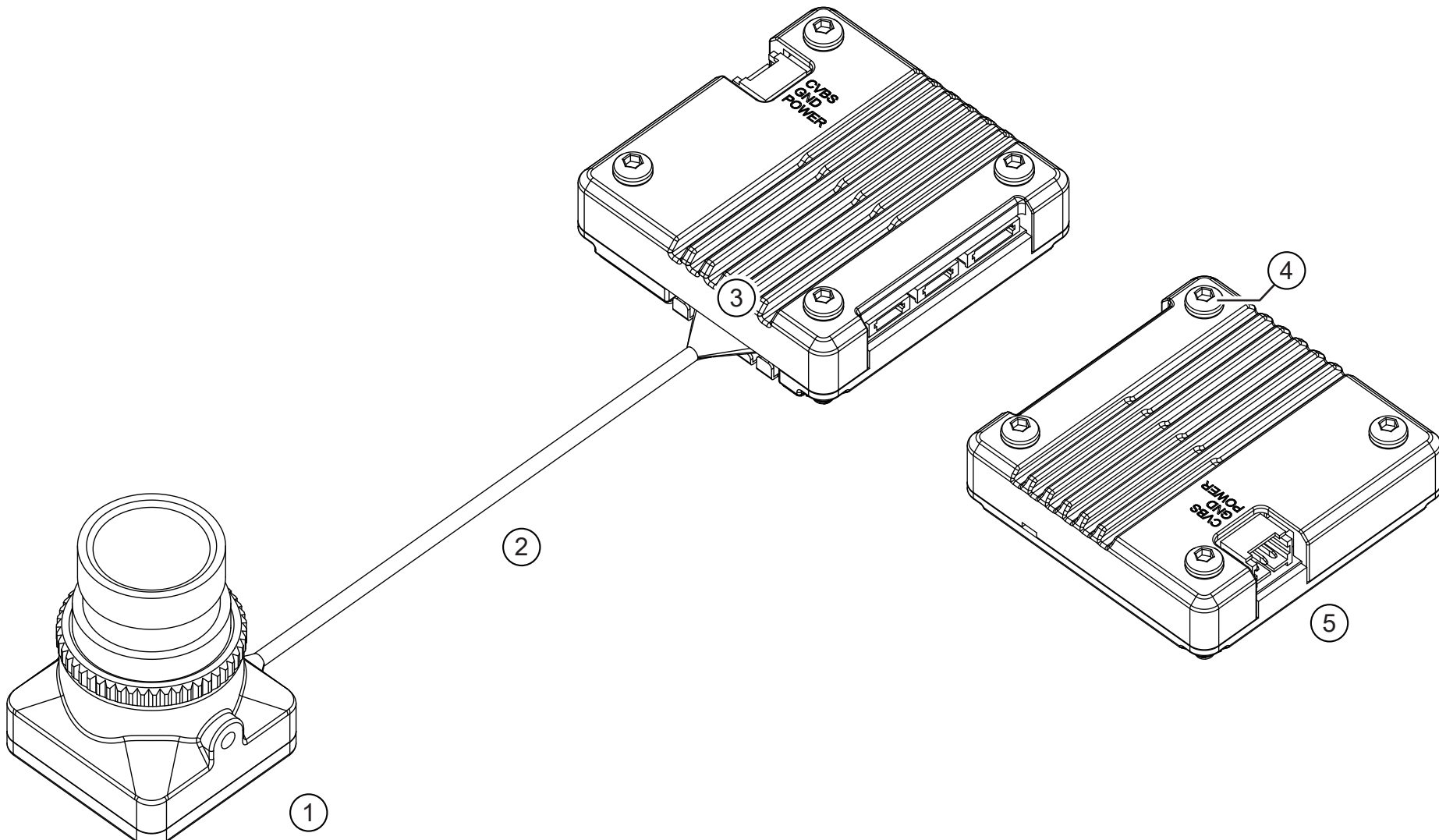
V1.0



产品简介

Infra V2黑白夜视模拟相机主要特征如下:

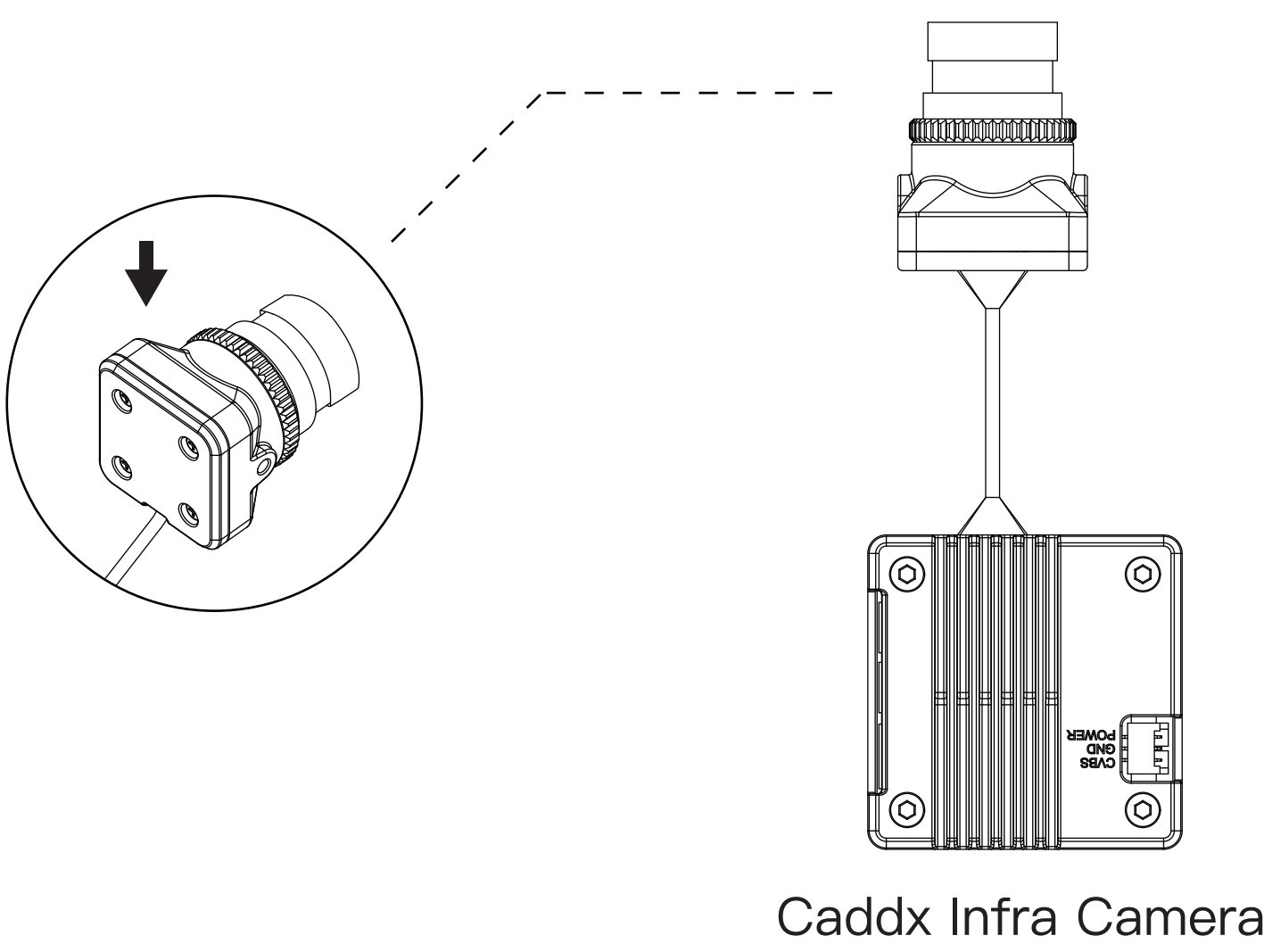
- 减少体积尺寸:
在确保与Infra V1同等进光量的前提下，采用全新的光学设计，减少镜头的尺寸，更加易于安装；采用更高工艺AI处理芯片，减少处理器模块尺寸，更加轻薄。
- AI 画质增强相机:
搭载Infra V2全新一代AI夜视增强算法，低光环境下，画面清晰度提升30%以上；采用AI多帧算法，提升夜视下的动态范围，有效抑制逆光场景过曝/欠曝问题，保留全画面细节。



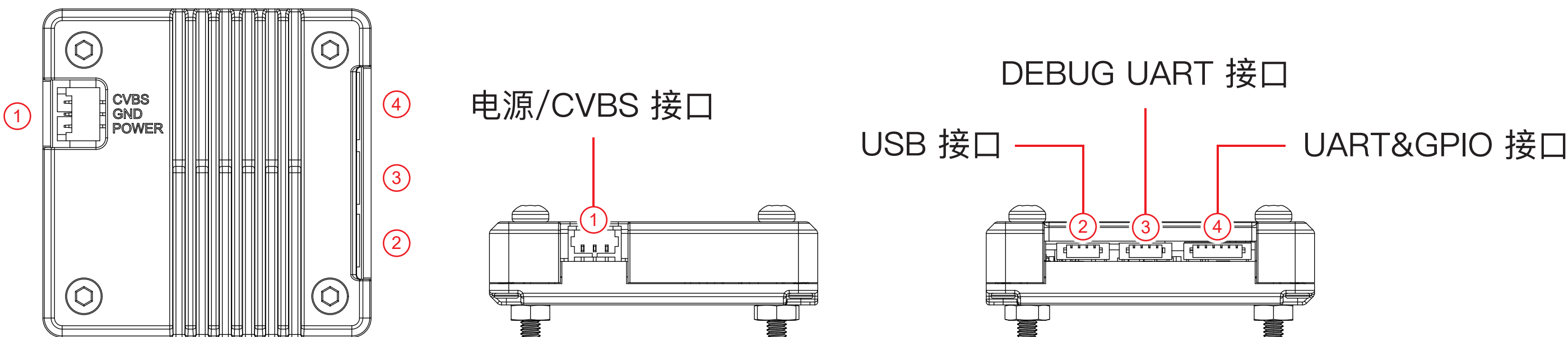
- 1、Infra 相机 V2
2、同轴线
3、相机接口
4、M2 孔
5、电源端口

安装朝向

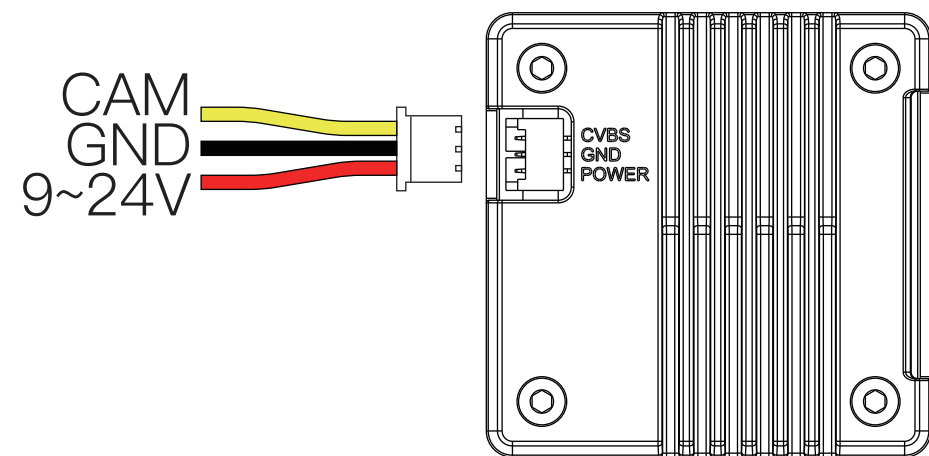
*安装时请根据此画面朝向向下，以免图像画面颠倒



接口定义



接线方式



- 电源/CVBS接线:
- 1.POWER: 飞控焊盘9~24V
 - 2.GND: 接负极线(GND)
 - 3.CVBS接入飞控CAM接口

产品规格

型号	Caddx Infra V2
图像传感器	1/1.8 inch
像元尺寸	8μm
水平分辨率	1500TVL
焦距	2.8mm
光圈	F1.0
FOV	131.6° (D)
输出格式	CVBS PAL
帧频	50fps
画质效果	黑白
画面比例	4:3
视频接口	1*PAL
供电范围	9~24V
功耗	<1.2W
工作温度	-20℃~60℃
尺寸	Camera: 20.5*20.5*26.9mm AI Box: 34*34*13.2mm