

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:**

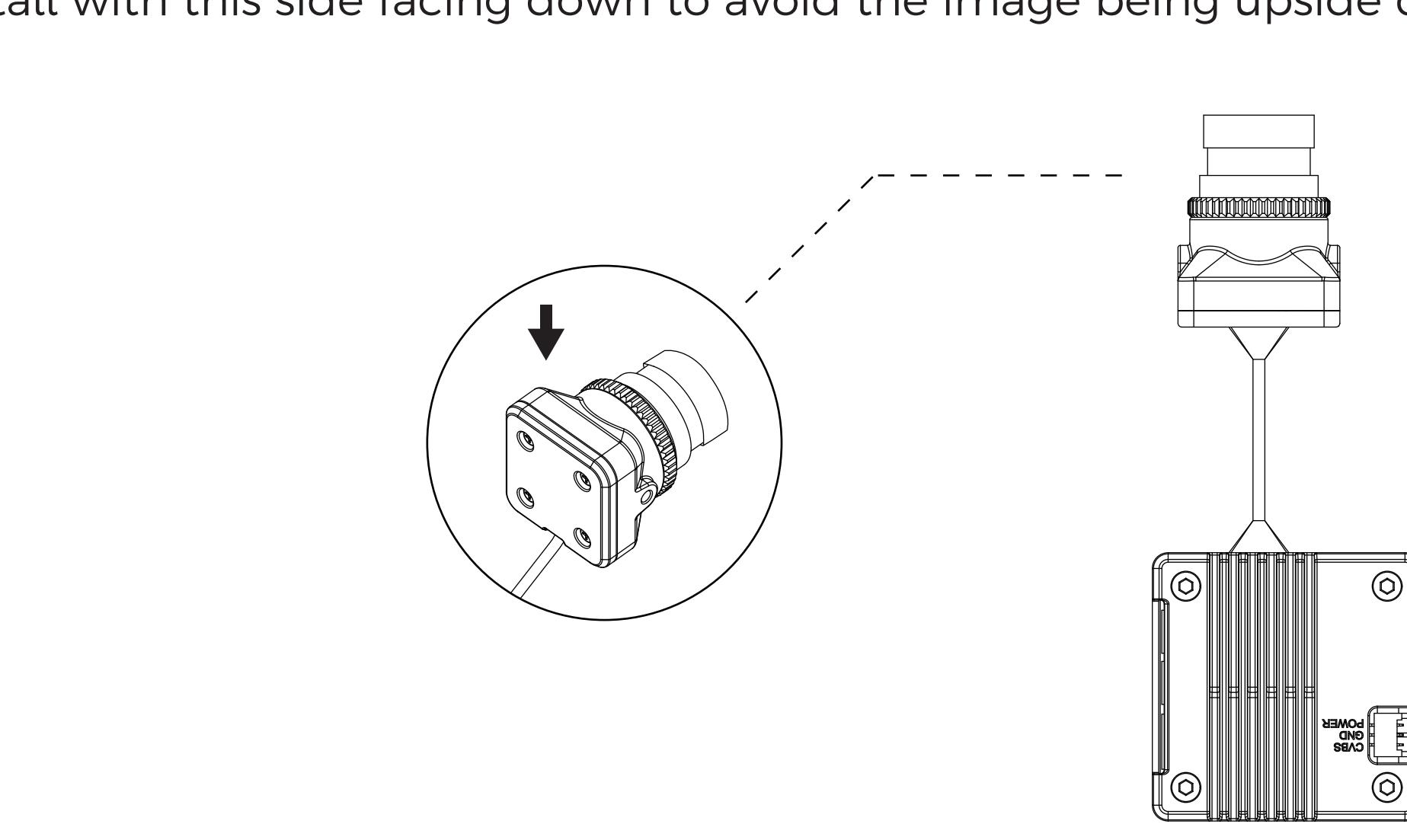
Utilizing a brand-new optical design to reduce lens size while ensuring the same light intake as Infra V1, making installation easier;

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

4. M2 Hole

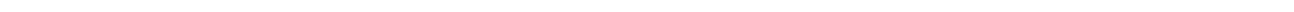
2. Coaxial Cable

5. Power Port

3. Camera Port

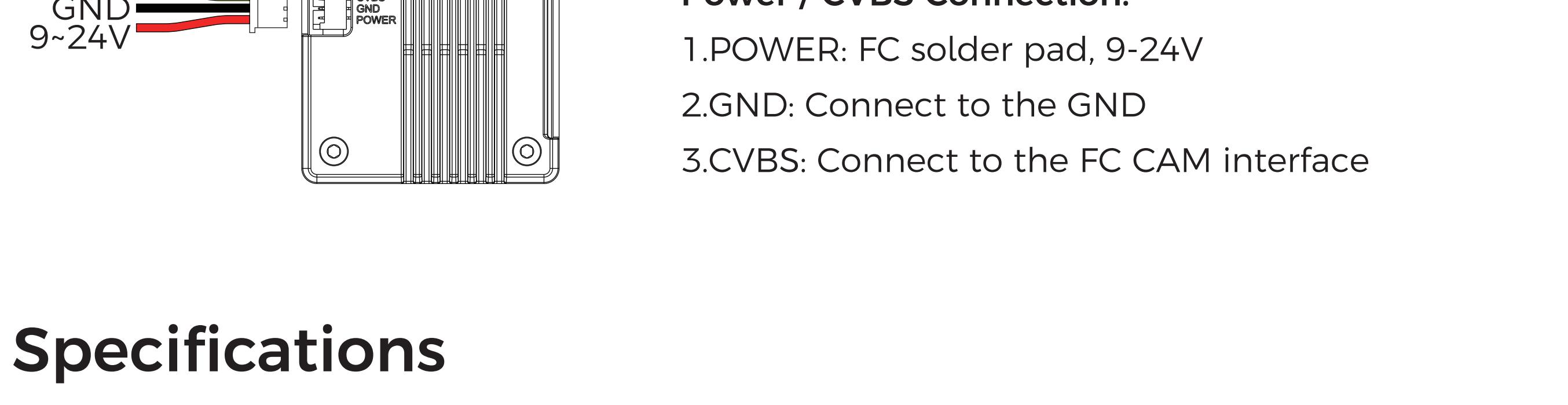
■ Installation Direction

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

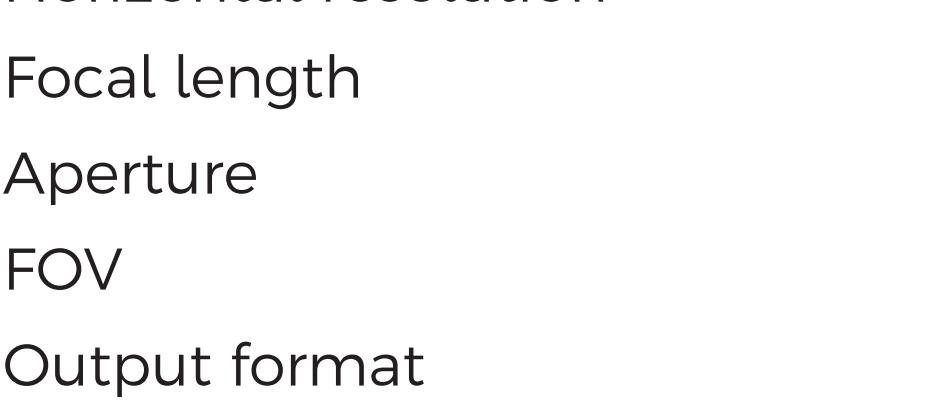


Caddx Infra Camera

■ 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°C~60°C
Dimensions	Camera: 20.5x20.5x26.9mm AI Box: 34x34x13.2mm

Caddx Infra V2

使用说明

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■ 产品简介

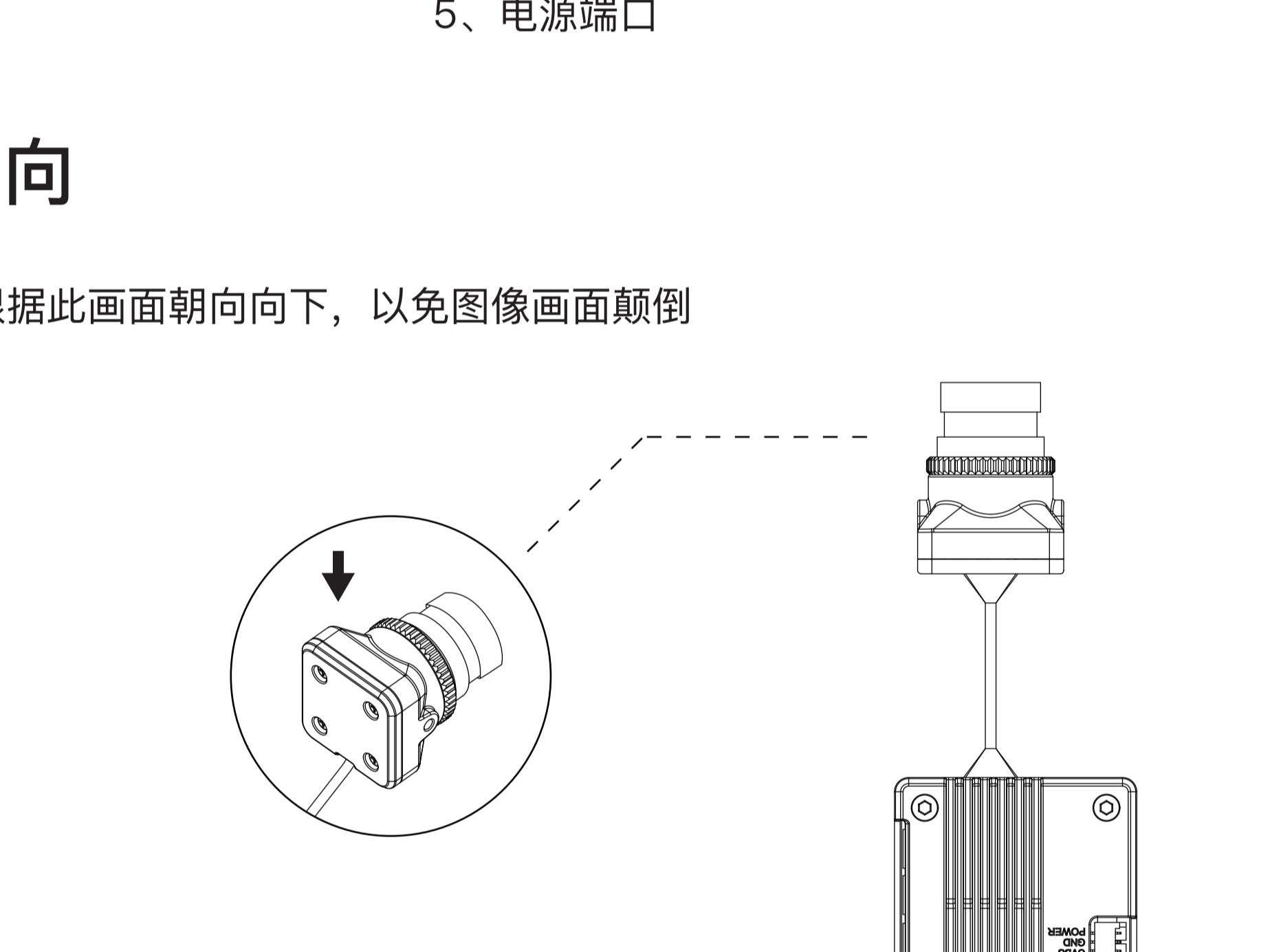
Infra V2黑白夜视模拟相机主要特征如下：

● 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



Caddx Infra Camera

■ 接口定义



■ 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°C~60°C
尺寸	Camera: 20.5*20.5*26.9mm AI Box: 34*34*13.2mm