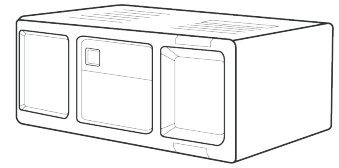


1 Product Introduction

ViEye® Intelligent Grasping Camera is an active binocular stereo-vision 3D camera designed for intelligent grasping applications. It can rapidly generate point cloud data models, RGBD data, depth maps, grayscale images, and color images. The camera is adaptable to a wide range of complex environments, maintaining high-precision modeling even under challenging conditions such as strong light, reflective surfaces, and light-absorbing black objects. It enables functions such as object scanning, positioning, dimension measurement, and pose recognition. When used with dedicated software, it supports grasping path planning to perform tasks like workpiece picking and item sorting according to predefined processes.

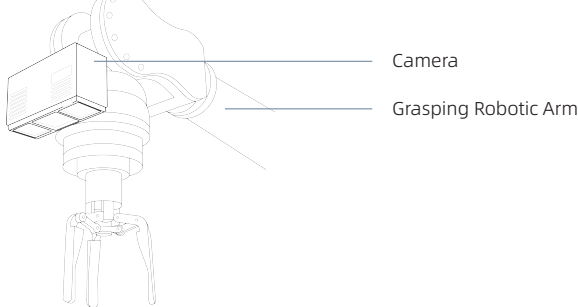


2 Bill of Materials

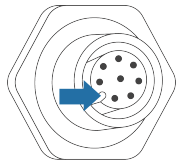
- Camera × 1
- Power Cable and Adapter × 1
- Gigabit Ethernet Cable × 1

3 Hardware Installation

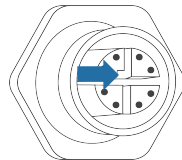
1. Use the installation adapter to mount the camera onto the robotic arm, as shown in the diagram below. The bottom and back of the camera have mounting holes for securing the installation adapter.



2. Install the power cable and network cable, ensuring the connectors align with the notches on the sockets, as shown in the image below. Do not use excessive force when plugging or unplugging cables to avoid damaging the pins.



Power Cable Interface



Ethernet Cable Interface

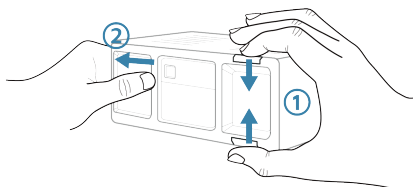
3. (Optional) Connect external signals to the camera's trigger cable to enable "level enable" control. For more information, please refer to the *Camera User Guide*.

- Purple Cable (Trigger _ Input Signal 2)
- Blue Cable (Trigger Input _ Signal 2 - Ground)

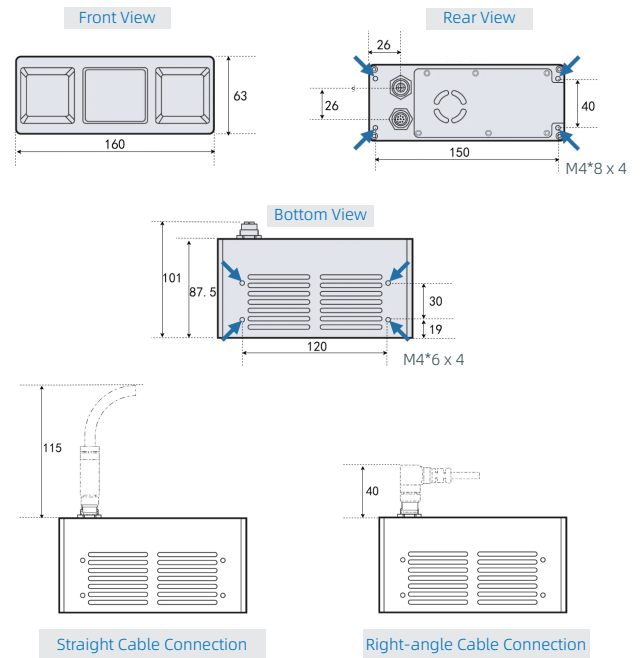
4 Replace the Protective Cover (Optional)

If you need to clean or replace the camera's protective cover, follow these steps:

1. Use two fingers to press down on the cover latch while applying force inward.
2. At the same time, use your other hand to pull the protective cover outward.



5 Dimensions and Mounting Hole Locations



6 Precautions

Caution This device is a high-precision equipment. Please read and follow the requirements below:

Category	Item	Requirements
Power	Power Input	• Camera power input: 24V ± 4V, current ≥ 2A, complies with grounding regulations. • 220V AC must meet national standards.
	Power On	When installing the power cable, first connect the device side, then connect the power supply side.
	Power Off	When installing or removing the device, the power supply must be disconnected first.
Equipment	Stability	Ensure that the device is securely installed and the cables are not loose. Make sure the device does not shake during operation to avoid affecting accuracy.
	Structure	Please handle the device with care to avoid strong impacts or vibrations.
	Electromagnetic	Never place the device near strong magnetic objects. Ensure proper electrostatic protection and keep the device away from electromagnetic radiation.
	Cleaning	Please continuously keep the device's glass window clean.
	Completeness	Never disassemble the device without authorization, and ensure that all accessories are complete.
Personal Safety	Safety	Handle with care during installation to avoid scratches, impacts, or dropping.
	Protection	Never look directly at the laser, and avoid laser exposure to the skin.

Note

- Due to product upgrades or other reasons, the content of this document may be updated periodically. Unless otherwise agreed, all content in this document does not constitute any express or implied warranty.
- For more information about the product, please visit the company's website.

