

Calibration Gimbal Product Specifications

Product Name: Calibration Gimbal

Product model: CG-A

Version: V1.0

Date: 20250213

1. Product Overview

This product is an automatic calibration gimbal, designed for industrial visual inspection and 3D scanning . It uses high-precision encoders , stepper motors, and closed-loop control algorithms to achieve fast and accurate positioning, stable and reliable operation, and meet customers' needs for accuracy, efficiency, and reliability in 3D application scanning .

2. Product Specifications

parameter	Specification	Remark
Mechanical		
parameters		
size	141*141*111.7	
Material	PC+GF	
Number of axes	2-axis	

parameter	Specification	Remark
Rotation range	Pitch $\pm 1.75^\circ$, Heading $\pm 30^\circ$	
Maximum load	$\leq 1.5\text{kg}$	
Repeat positioning accuracy	$\pm 1^\circ$	
weight	Approx. 670 g	
Electrical parameters		
Supply voltage	5V	
Power consumption	15 W	
Communication interface	Serial Port	
Environmental parameters		
Operating temperature	$0^\circ\text{C} \sim 40^\circ\text{C}$	
Storage temperature	$-10^\circ\text{C} \sim 50^\circ\text{C}$	

3. Features

Functional features 1. High-precision encoder and stepper motor to ensure accurate positioning

Functional feature 2: Closed-loop control algorithm to ensure stable operation

Functional feature 3 , humanized operation interface, easy to use

4 . Ordering Information

Product model : CG-A

Product Name : Calibration Gimbal

Quantity : 1

5. After-sales service

Warranty period : One year

Technical support : Provide free technical consultation and software
update services

Repair service : free repair within the warranty period, paid repair service
outside the warranty period

6. Packing List

Gimbal Host x1

Bubble Bag x1

White Box x1

7 . Statement

This specification is for reference only. The specific parameters are subject to the actual product.

The company reserves the right to change product specifications without prior notice.

8. Contact Information

FCC:

Company Name: REVOPOINT INNOVATION SDN. BHD.

Add: No.10, Jalan Ekoperniagaan 1/9, Taman Ekoperniagaan 81100, Johor Bahru
JOHOR DARUL TA'ZIM, Malaysia

IC:

Revopoint 3D Technologies Inc.

Add: Office 902, 9/F, Tinno Building, Tongfa South Rd, Xili Street, Nanshan District,
Shenzhen, China

Tel: 400-118-3368

FCC Compliance Notice

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment .

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment should be installed and operated with minimum distance 20cm between the radiator& your body.

ISED RSS warning

This device complies with Innovation, Science and Economic Development Canada Compliance licence-exempt RSS standard (s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

ISED Radiation Exposure Statement:

This equipment complies with ISED RF radiation exposure limits set forth for an uncontrolled environment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment should be installed and operated with minimum distance 20cm between the radiator& your body.

IC exposition aux radiations:

Cet équipement est conforme aux limites d'exposition à la radiofréquence ISED fixées pour un environnement non contrôlé.

Cet émetteur ne doit pas être co-localisés ou fonctionner en conjonction avec une autre antenne ou émetteur.

Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Tous les changements ou modifications non expressément approuvée par le responsable de la conformité pourrait vider l'utilisateur est habilité à exploiter l'équipement.

appendix:

