

# HeLiBEST MCX3V5 User Manual

## Small Multi-purpose 2 Axis aerial video Camera Gimbal

Version 1.0

小型多用途兩軸航拍雲臺組裝說明書



■ 本產品并不包括攝像機，攝像機由用戶自備。  
This product does not include camera, Camera owned by user.

非常重要：在組裝和使用 MCX3V5 前請您仔細通讀本手冊。  
IMPORTANT: Please read through the entire manual before attempting to assemble or use the camera gimbal.

## 注意事項 CAUTIONS

為了使本產品發揮最佳性能，請您務必在組裝前通讀說明書，並按照說明書步驟完成組裝。您需要使用的額外工具包括：2.0mm 內六角螺絲刀、小型十字或一字螺絲刀、小夾鉗；您還需要自備高品質瞬間膠水（502 或 495）。

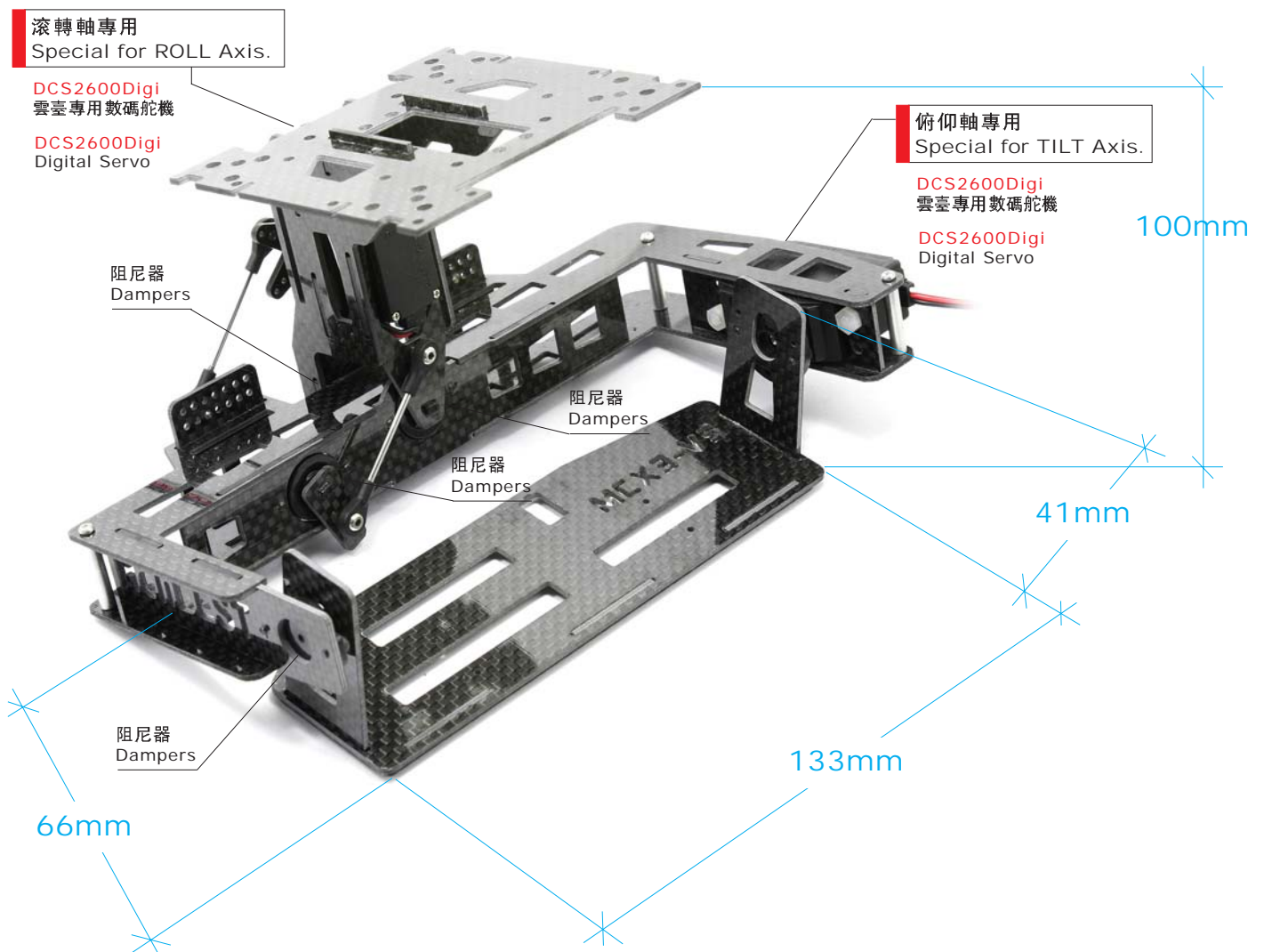
注意：本產品組件大部分需用瞬間膠水粘接，操作膠水時應特別留意以下事項：1. 適量用膠；2. 注意防護（勿使膠水入口眼，勿使膠水粘住手指）；3. 還未干透的余膠可用吸水紙立即去除，以保持美觀度；4. 從待粘接零件的背部塗膠更利于美觀。使用高品質瞬間膠，可快速粘接，結構強度完全可滿足應用要求，不必擔心是否牢固的問題，敬請放心使用！

To obtain the best performance of this product, please read through the manual carefully and assemble the parts according to the detailed instructions. Additional tools you need to use are as followed: 2.0mm allen driver, small slotted screwdriver or small phillips screwdriver, small clamp and high quality instant adhesive.

**Note:** Most parts of this camera mount need to be adhered by instant adhesive, so please pay attention to the following points when you use it:

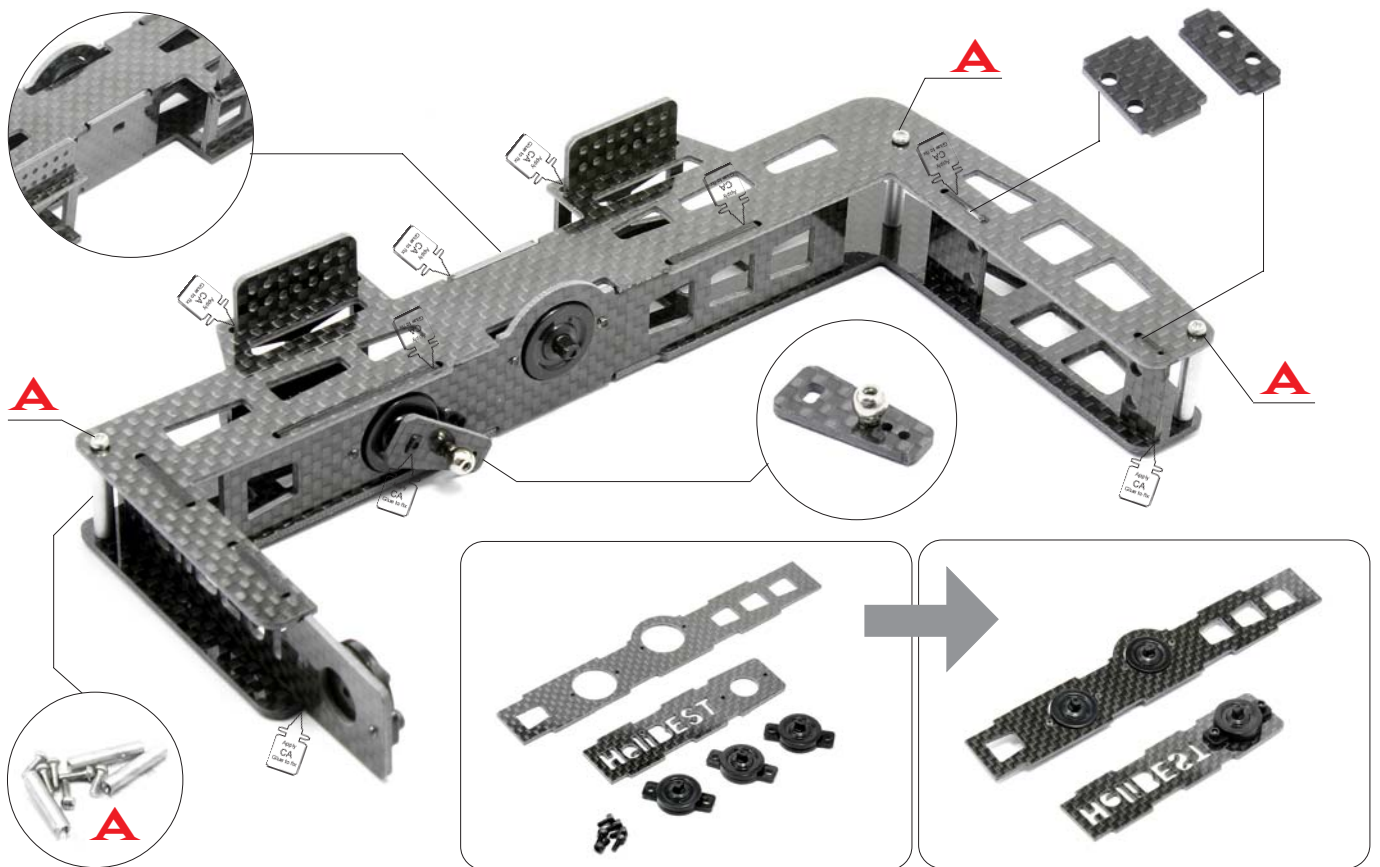
1. Proper instant adhesive (Neither too much nor too little);
  2. Protect yourself (Do not drip the adhesive into your mouth or eyes);
  3. Absorb the extra undried adhesive with absorbent paper to keep the clean appearance of camera mount
  4. Apply the adhesive on the back of the parts, which could keep the neat appearance of the mount
- The parts can be adhered quickly when using the high quality instant adhesive. And the structural strength could meet the requirements in use. Please rest assured to use.

## 尺寸說明 Dimension



## STEP 1

## 安裝滾轉臂 | Install the ROLL Arm



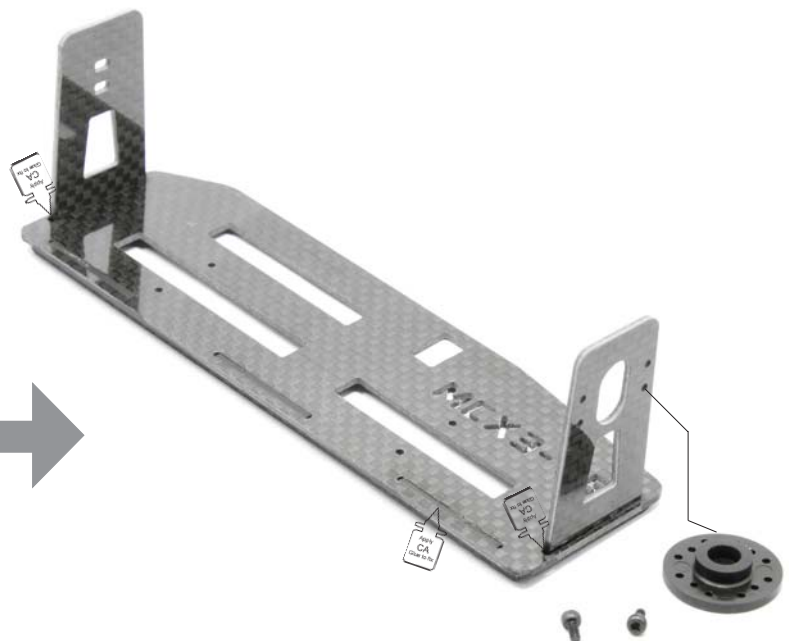
1. 注意控制螺絲鎖緊的力道，過緊易破損
2. 注意阻尼器的安裝方向（請參考上述照片）
3. 不可以用較大的力扭動或壓迫阻尼器的輸出軸，否則會造成損壞
4. 不可將膠水滴入阻尼器的輸出軸內，否則會造成損壞

1. Use moderate force, too tight may break the parts;
2. Pay attention to the installation direction of the damper as seen above;
3. Do not apply too much force when rotate or press the damper output shaft, which may break the parts
4. Do not drip the adhesive into the damper output shaft, it may break the parts

## STEP 2

## 安裝相機固定框 | Install the Camera Mount

備好以下零件  
Prepare the following parts





### STEP 3

### 安裝滾轉驅動臂 | Install the rolling actuating arm

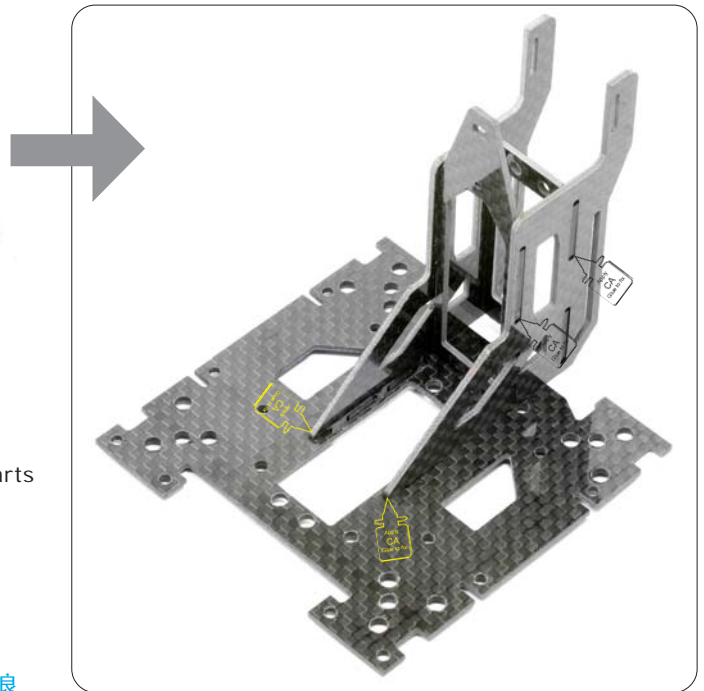


備好以上零件  
Prepare the above parts



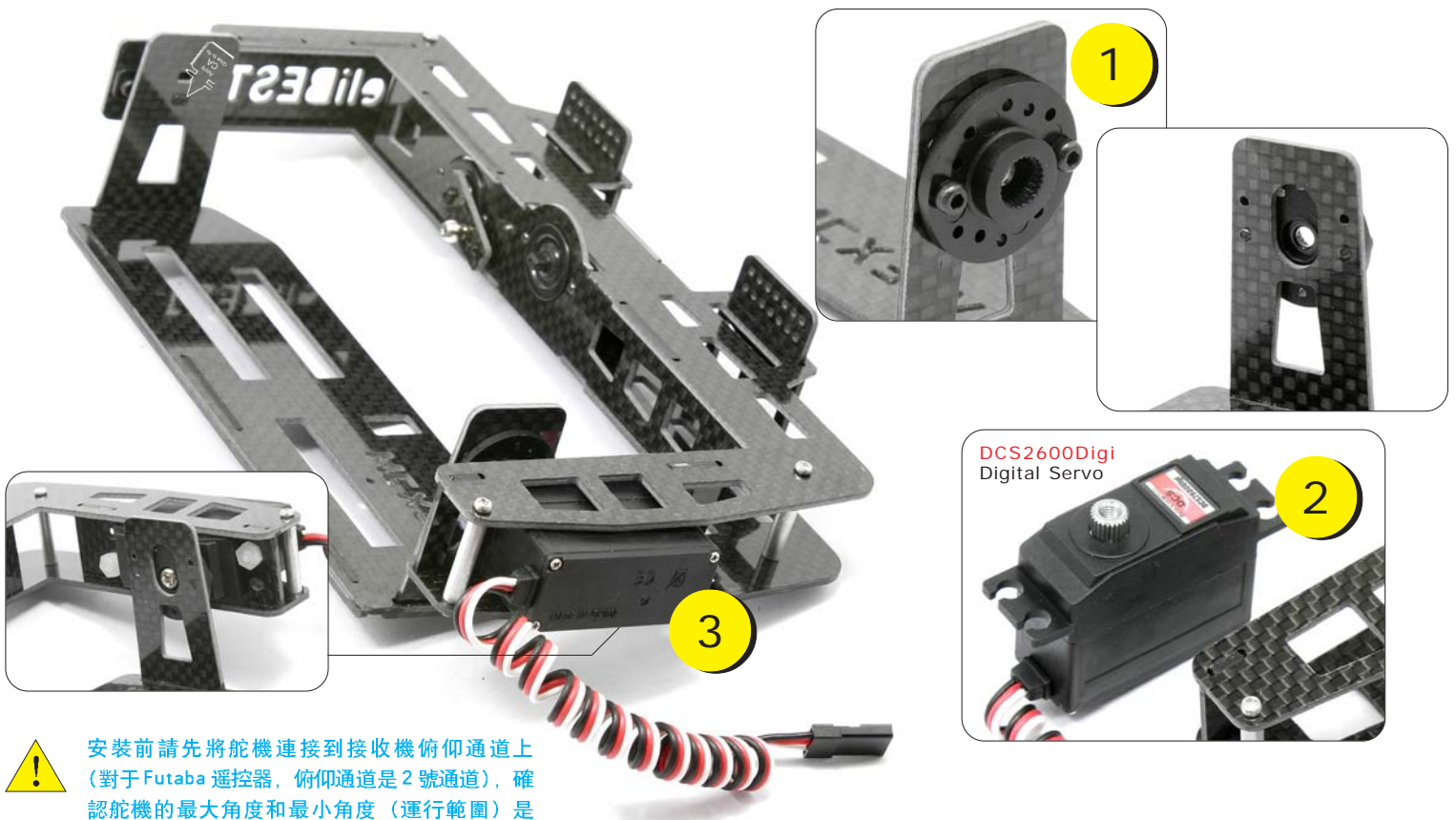
1. 注意零件的安裝方向
2. 把膠塗在接縫背面更利于外形美觀
3. 不要讓膠流到手指上了，以免在產品上留下指紋
4. 需等膠干透后才可放手，以免零件翹起，造成粘接不良

1. Pay attention to the installation direction of the parts;
2. Apply the adhesive on the back of the joints could keep the appearance clean;
3. Do not apply the adhesive onto the fingers, to avoid leaving the finger prints on the parts
4. Do not loose your hand until the adhesive becomes dry, to make sure that all the parts are adhered perfectly



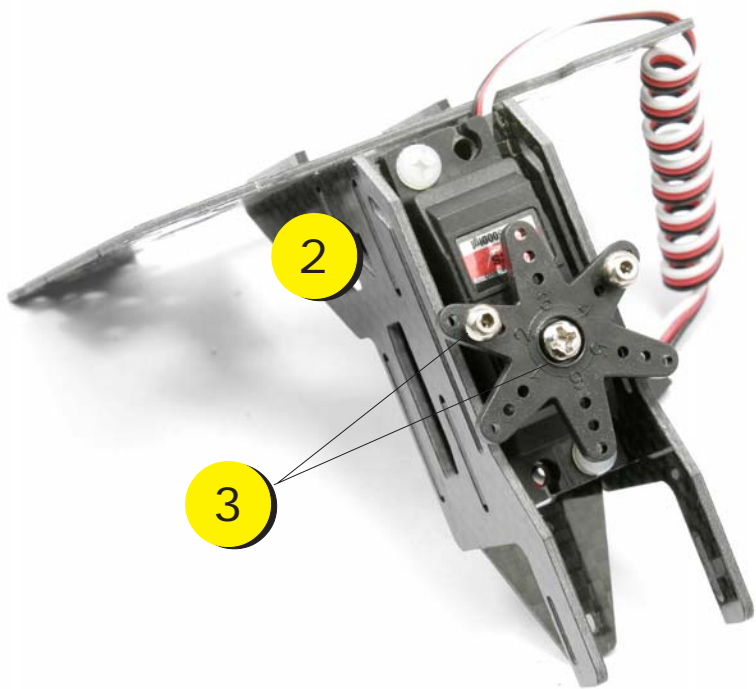
### STEP 4

### 安裝舵機 | Install the digital servo to camera gimbal



安裝前請先將舵機連接到接收機俯仰通道上（對於Futaba 遙控器，俯仰通道是2號通道），確認舵機的最大角度和最小角度（運行範圍）是否符合實際需求的角度。

Please connect the servo to receiver ELE Channel (Futaba is CH2) before linking the camera mount to the servo axis, and confirm the maximum angle and minimum angle (operating range).



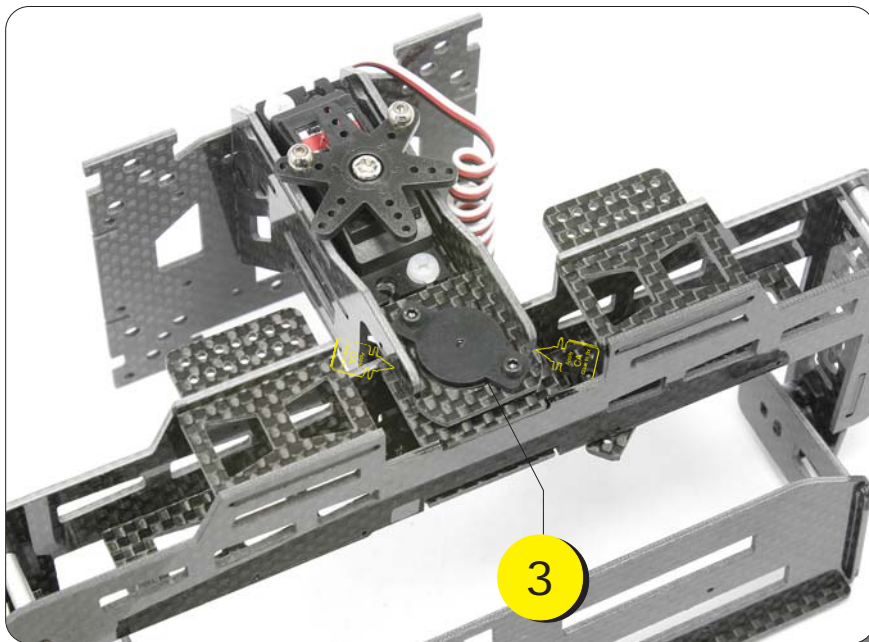
安裝前請先將舵機連接到接收機滾轉通道上(對於 Futaba 遙控器, 滾轉通道是 1 號通道), 確認舵機的中立點, 並照上圖進行安裝。

Please connect the servo to receiver AIL Channel (Futaba is CH1) before link the camera mount to the servo axis, and confirm the servo neutrality point, then installation as above picture.

## STEP 5

### 連接滾轉驅動臂與滾轉控制臂

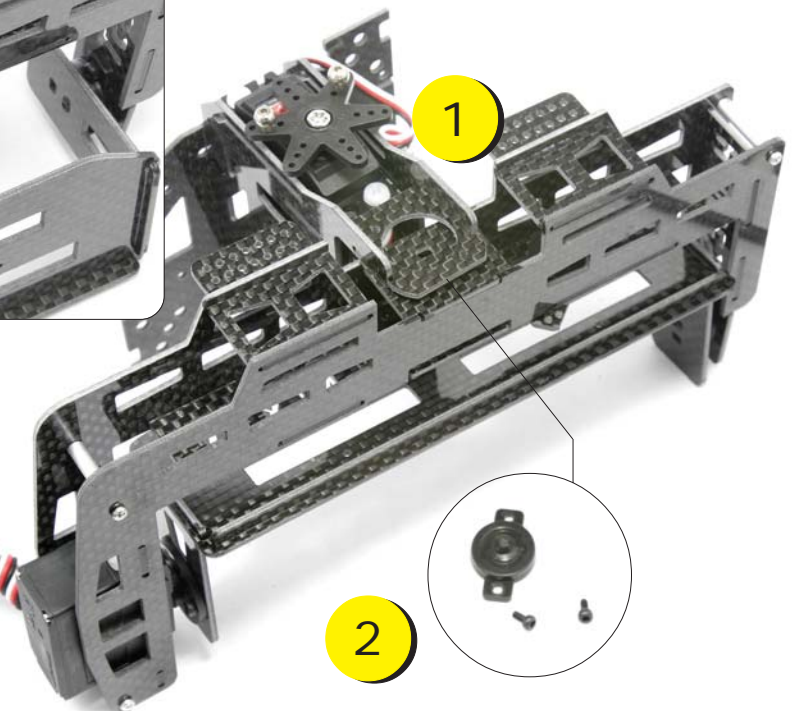
Connect the rolling actuating arm with the rolling control arm



1. 不可大力扭動或壓迫阻尼器的輸出軸, 否則會造成損壞
2. 阻尼器連接處若有鬆動, 可適量用膠, 但不可讓膠流入阻尼器輸出軸內
3. 組裝完成后仔細檢查各轉動機構的運轉是否順滑
4. 安裝時若感覺壓入困難, 可自行適當擴孔, 以利于安裝



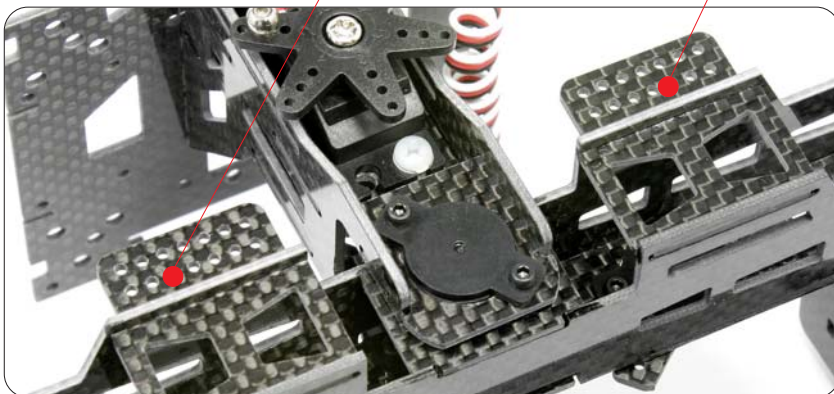
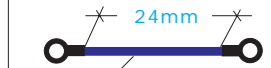
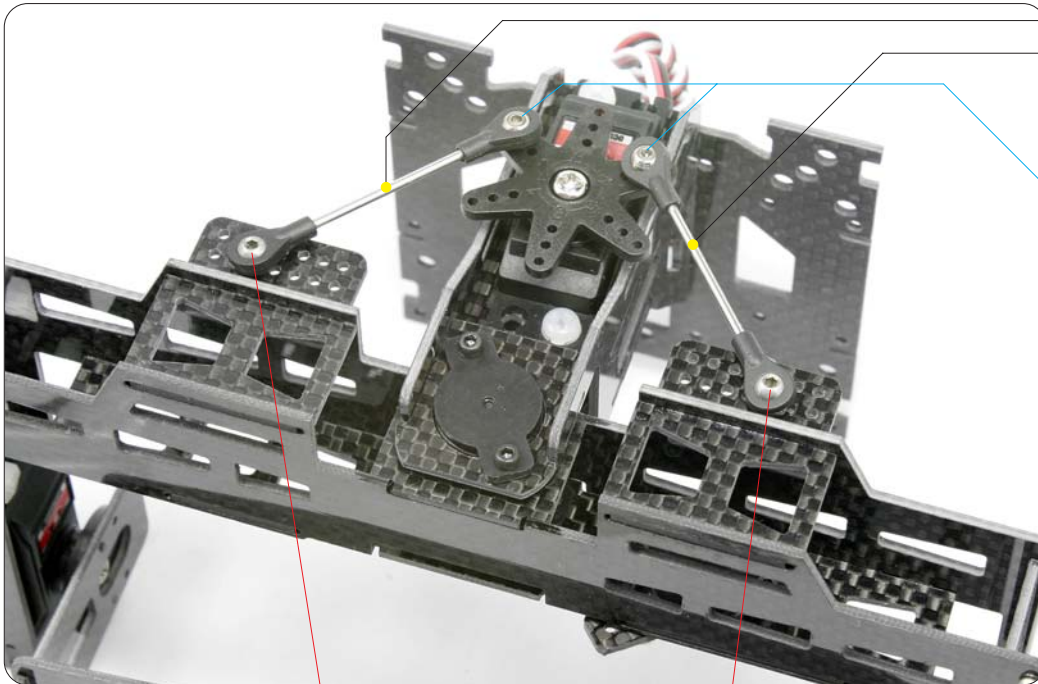
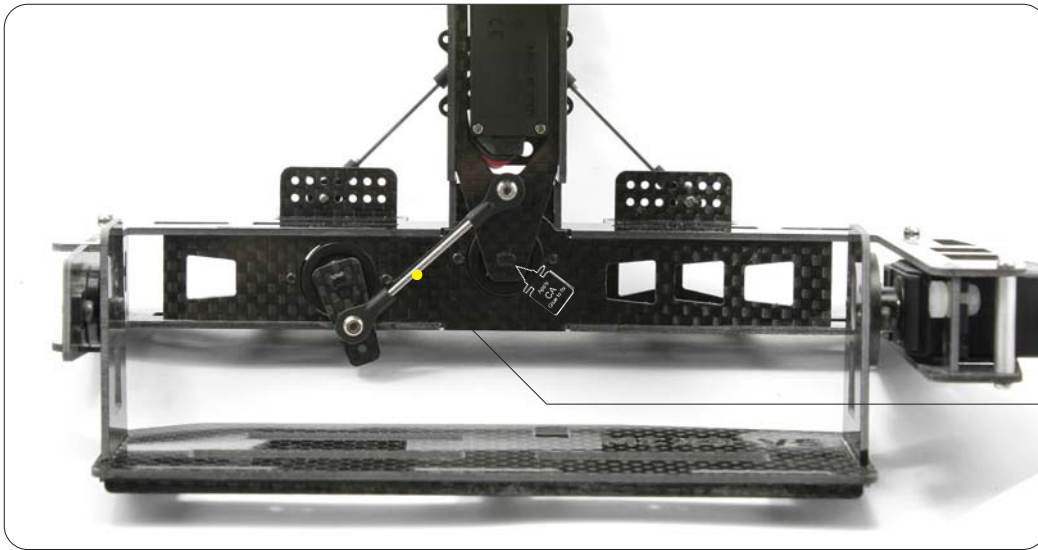
1. Do not apply too much force when rotate or press the damper output shaft, which may break the parts
2. Do not drip the adhesive into the damper output shaft, it may break the parts
3. Using proper adhesive if there is any loose at damper joints, but the adhesive could not be dripped into damper output shaft
4. If you find it is difficult to install the parts due to the size of the hole, you can enlarge it suitably





STEP 6

安裝控制連杆 | Install the control linker





加强相機固定框 Enhanced Camera Fixed Mount

P/N: ECFM

SIGMA ANTI-Q2000S減震器  
P/N: SAQ2000S







# MCX3V5 Camera Gimbal

Ideal for SONY NEX 5N/5R/7 and GoPro 1/2/3, Olympus E-M5  
Best work with XAircraft X650V4/Pro and SIGMA SS4/SS6



# IMPORTANT

ONLY SELP1650, SEL16F28 or SEL16F28+VCL-ECU1 can work best with SONY NEX 5/7 for MCX3V5 system.

## 非常重要

只有以下3款用于 SONY NEX 5/7 的鏡頭才能匹配 MCX3V5 雲臺系統。



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Create your own aerial work  
創作屬於自己的航拍作品

