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#### Health and safety

Every effort has been made to ensure the accuracy of the information given in our publications, but in accordance with our policy of continually improving our products we reserve the right to modify designs and specifications whenever necessary. All equipment is designed to conform to relevant British and International Standards. Every care is taken to ensure that, as far as reasonably practical, it will perform without risk to health. It is essential that accepted codes of professional practice are followed in the assembly, installation and commissioning of the equipment. If in doubt with respect to any of these instructions, please consult Unipart Dorman before installing the device.

Unipart Dorman reserves the right to vary any component part to meet the required specifications without prior notice.



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Unipart Dorman Part No C64.65569 Issue 4

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## iLS, CLS LITE & CLS CLASSIC DETACHABLE SIGHTING SCOPE, INCLUDING CAMERA MOUNT USER INSTRUCTIONS

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To be read before commencing  
operation



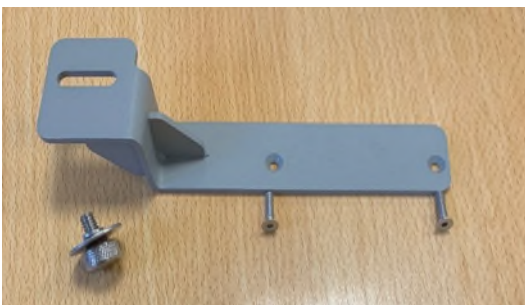
## User Instructions

### Equipment Required

Detachable Sighting Scope (086/008542)



Camera Mounting Bracket for Trunnions and CLS LITE (086/008865)



Classic CLS Camera Mounting Bracket (086/008866)



### Part Numbers:

<b>PADS Number</b>	<b>Description</b>
<b>086/008542</b>	iLS Detachable Signal Sighting Scope
<b>086/008865</b>	iLS Sighting Scope Camera Bracket
<b>086/008866</b>	Classic CLS Camera Mounting Kit
<b>R086/008542</b>	Sighting Scope Annual Recertification

<b>Dorman Part Number</b>	<b>Description</b>
<b>D04.03158</b>	iLS Detachable Sighting Scope Assembly
<b>D04.03988</b>	iLS Sighting Scope Camera Bracket
<b>D86.85334</b>	Classic CLS Camera Mounting Kit
<b>D04.03082RECERT</b>	Sighting Scope Annual Recertification

For specific guidance on aligning the signal, please refer to the operations and maintenance manuals listed below

<b>Dorman Part Number</b>	<b>Description</b>
<b>C64.65376</b>	ALT
<b>C64.65546</b>	HD ALT
<b>C64.64148</b>	iLS
<b>C64.65201</b>	CLS LITE
<b>C64.63267</b>	Classic CLS

All the above documents are available on the Unipart Dorman website

## General Notes:

- Before commencing any work, all local safety requirements affecting the safety of the working environment either directly or indirectly shall be implemented.
- Unipart Dorman does not recommend any particular camera or App. It is the user's responsibility that any camera and App is used in accordance with the manufacturer's terms and conditions of use and instructions.
- Unipart Dorman cannot accept any responsibility for the performance of third party equipment, applications or software systems.
- Users of these devices and their supporting operating systems should satisfy themselves that their usage will not compromise any device through the introduction of malicious software, bugs and viruses etc.
- The end user is also solely responsible for ensuring any images captured and retained do not conflict with the Information Commissioner's Office Codes of Practice on privacy and the use of cameras, or the General Data Protection Regulations.
- The trunnion/equipment enclosure can be aligned without the signal post fitted.
- **The ILS Removable Sighting Scope Mounting block will be modified during either manufacture or Annual Re-Certification, with the tapped holes to attach the camera bracket.**
  - **The sighting scope shall be subject to an alignment check and recertification every 12 months.**
  - **Initial certification date is stated on the sighting scope case label.**

# 1 Fitting Scope assembly to CLS LITE

This section deals only with CLS LITE heads **NOT** fitted in the Unipart Dorman ALT/HD ALT which would be aligned from ground level.

Attach the sighting scope on the inside of the frame as indicated below. Line up the thumbscrews and finger tighten in to place. DO NOT Overtighten the thumbscrews.

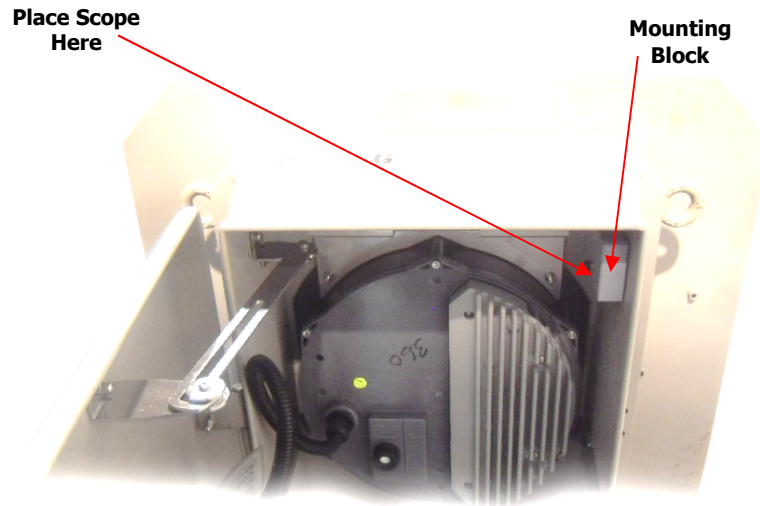


Figure 1.1.1



Figure 1.1.2



Three aspect short signal frames have an additional mounting block bolted on to the frame using the same threaded holes as the normal scope mount. Please refer to the operating and maintenance manual available from our website for more details.

Figure 1.1.1 shows a typical example of the sighting scope fitted (no mounting block).

Attach the camera using the thumbscrew in the Action Camera tripod mounting hole. Figure 1.1.2 shows a typical installation with the addition of the Camera Mounting bracket.

## 2 Scope assembly to Trunnion

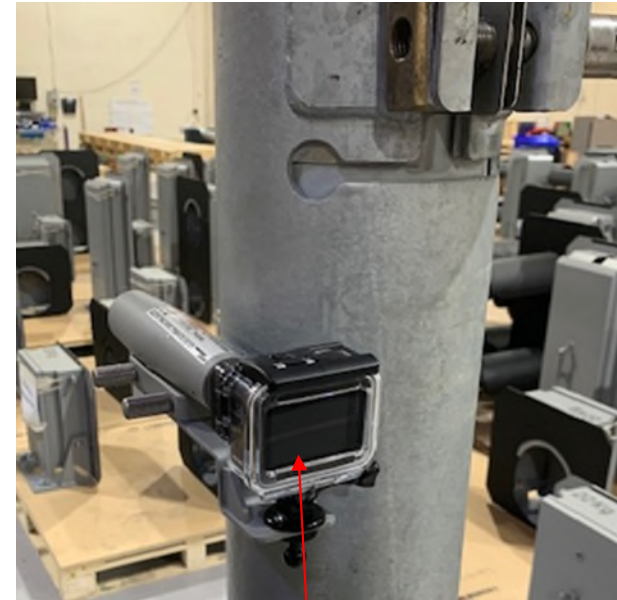
Place the associated sighting scope and camera on the mounting block as indicated below in figure 3.1.1 and 3.1.2. Line up the thumbscrews and finger tighten in to place. DO NOT Overtighten the thumbscrews.

Figure 3.1.1



**Fit scope  
as shown**

Figure 3.1.2



**Fit Camera as shown  
using the thumbscrew  
into the tripod mount**

### 3 Camera Mount to CLS

Place the sighting scope on the mounting block as indicated below in figure 4.1.1. Line up the thumbscrews and finger tighten in to place. DO NOT Overtighten the thumbscrews.  
Figure 4.1.1

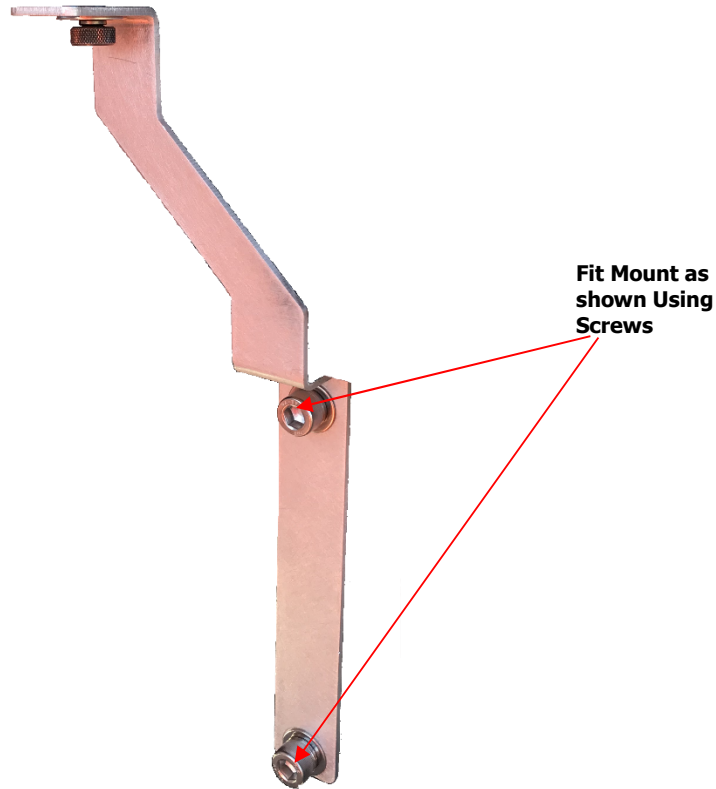
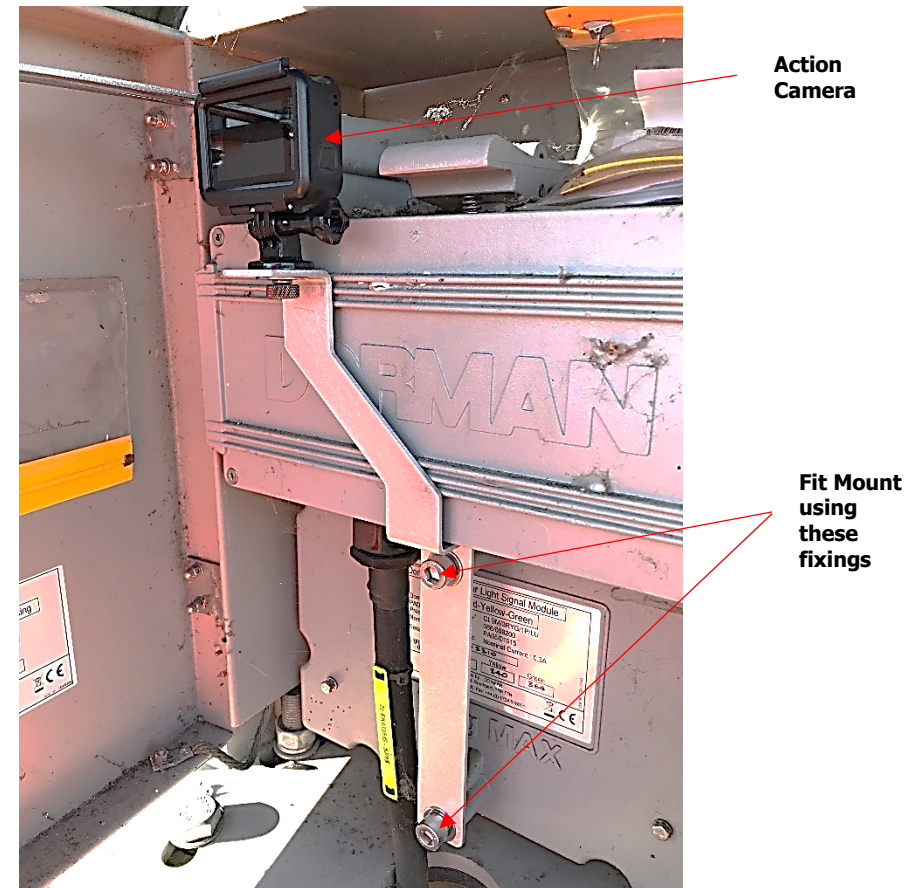


Figure 4.1.2



The detachable scope is not required for CLS units as the scope is integral to the unit this does not need annual recertification.

Figure 4.1.2 shows views of the camera mount on the module and view of camera setup.