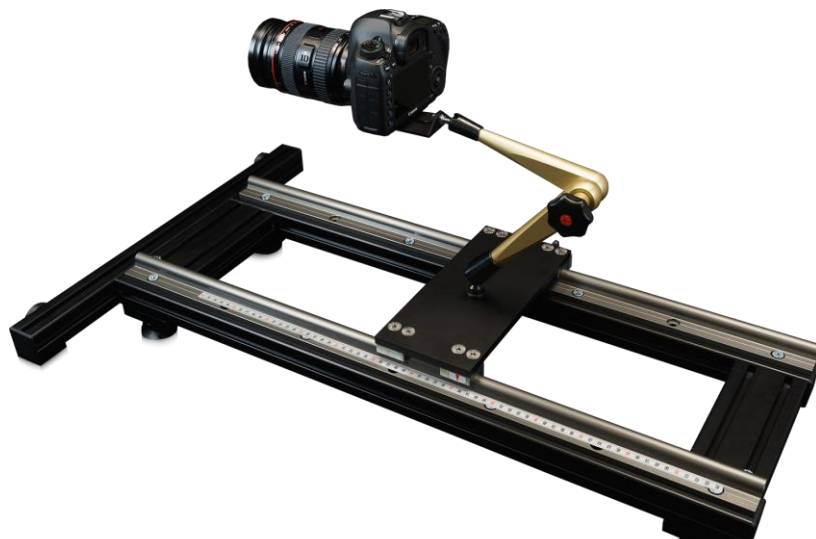




iQ-Align XL for CAL3-XL & LE7

User Manual

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1 INTRODUCTION

Important information: Read the manual carefully before using the device.

Inappropriate utilization may cause damage to the device, to the DUT (device under test) and/or other components of your setup.

Keep these instructions in a safe place and pass them to any future user.

1.1 Intended use

Camera positioning system (for CAL3-XL and LE7) based on a freely movable, hydraulically lockable arm mounted on an adjustable slider that moves along the z-axis. It allows quick and easy positioning of the DUT in 3D space. Fix the end position with the locking wheel.

- Only suitable for indoor use.

1.2 Product variants

Due to its adjustable connecting-rings, the iQ-Align is suitable for:

- CAL3-XL
- LE7

1.3 Foreseeable misuse

1.3.1 Stuck joints

If the arm moves only when using a lot of force, try to further loosen the locking wheel or check the joints for dirt or debris.



2 GETTING STARTED

2.1 Scope of delivery

iQ-Align XL, attachment parts (for CAL3-XL and LE7), ¼" screw, user manual

2.2 Commissioning

2.2.1 Setup instructions for CAL3-XL / LE7

The iQ-Align XL has two adjustable locking rings on the wider end of its frame that fit around the front feet of the CAL3-XL / LE7. Please make sure that the distance of the locking rings to one another matches up with the distance of the CAL3-XL / LE7 feet. To adjust the distance, loosen the M8 screw of the locking ring and move it along the frame. When the locking ring is positioned correctly, tighten the screw again. Please ensure the locking rings are positioned symmetrically around the center axis of the iQ-Align XL.

To attach the iQ-Align XL to the CAL3-XL / LE7 you now only need to slightly lift the front feet up, slide the locking rings of the iQ-Align XL under them and carefully lower the feet into them.



Adjusting the position



Connecting the iQ-Align XL to your CAL3-XL / LE7



3 HARDWARE OPERATING INSTRUCTIONS

3.1 Camera positioning

Mount the DUT on the mounting bracket of the iQ-Align XL. You can use the attached ¼" screw or any other screw up to a diameter of 6.5 mm.

To position the DUT, loosen the locking wheel and manually guide the DUT to the desired position. To secure the DUT at its new position, simply tighten the locking wheel again.

In addition to the range of the hydraulic arm, you can move the adjustable slider along the z-axis. The slide is adjusted in a similar way: loosen the plastic wing screw on the right-hand side of the iQ-Align XL, then move the slide and tighten the screw again.

Attention: To avoid damaging your setup please make sure you are holding the DUT when loosening the locking wheel, as the hydraulic arm will collapse when pressure is released.

4 ADDITIONAL INFORMATION

4.1 Disposal instructions

After the service life of iQ-Align XL, it must be disposed of properly. Observe your national regulations. Make sure that iQ-Align XL cannot be used by third parties after disposing of it.

Contact Image Engineering if assistance for disposal is required.

5 TECHNICAL DATA SHEET

See annex for the technical data sheet. It can also be downloaded from the Image Engineering website: www.image-engineering.com.