

User Manual

Light camera crane intended for mounting on a tripod. It allows to perform smooth movements of the camera both horizontally and vertically within the range of 360° around the axis.

The crane HKR-1 is very easy to use. Its main assets are the speed and ease of both assembling and disassembling, which takes only a few moments.



Slide Kamera HKR-1 Camera Crane



Pdf version of the manual available for download: www.slidekamera.eu

Before you start your work with HRK-1 camera crane we strongly recommend to read the manual carefully in order to avoid any errors or equipment failures due to improper operation.

Please note that using the crane in a manner inconsistent with this manual may cause a damage or any malfunction the manufacturer is not responsible for.

Table of contents

1. Technical Specification.....2

2. Elements of the crane.....2

3. Preparing the crane to work.....2

4. Mounting the crane.....3

4.1. Mounting with Slide Kamera HSZ-2 quick mounting screw (RECOMMENDED OPTION).....3

4.2. Mounting with the use of leveling half ball equipped with 3/8" thread.....4

5. Mounting the equipment on the camera crane.....4

6. Working with Slide Kamera HRK-1 crane.....5

7. Safety when using the crane.....5

8. Maintenance and operation.....5

9. Transport.....6

10. Terms of warranty.....7

Slide Kamera ®

High Engineering Technology CNC s.c.
Sebastian Pawelec Karol Mikulski
Glina 45
82-522 Sadlinki
Vat Identification Number: 581-188-33-32

Slide Kamera Office

80-175 Gdańsk (Poland)
Ul. Kartuska 386

tel./fax (+48) 58 710 41 04
e-mail: biuro@slidekamera.pl / office@slidekamera.eu
www.slidekamera.pl / www.slidekamera.eu

1. Technical Specification

- ☑ arm length counting from the center of rotation: 1435mm
- ☑ overall length of a crane: 1940mm
- ☑ length during transport: 1250mm
- ☑ weight without the weights: 12kg
- ☑ the arm ends with a socket for Manfrotto $\varnothing 75\text{mm}$ or $\varnothing 100\text{mm}$ leveling ball
- ☑ used with cameras and photo cameras of a total weight up to 5kg
- ☑ lifting height range (upper and lower position) 2300mm
- ☑ mounting the crane with 3/8" thread (this is a standard for most of the tripods)
- ☑ position of the arm can be locked with the use of clamps
- ☑ there is a possibility to block the rotation against the vertical and horizontal axle
- ☑ weights of: 4 x 2kg, 2 x 1kg, 2 x 0,5kg.
- ☑ elements of the crane are made of aluminum and are additionally protected against corrosion, what ensures long-term operation.

2. Elements of the crane

Once the shipment is received please make sure that all the components are inside.

HGO-2 rotational head is already mounted on the crane arm and constitutes its base. There is a 3/8" threaded hole in the head stand that allows to mount the crane on the tripod.

camera crane arm [1]

HGO-2 rotational head [2]

counterweight weights of 4 x 2kg, 2 x 1kg, 2 x 0,5kg [3]



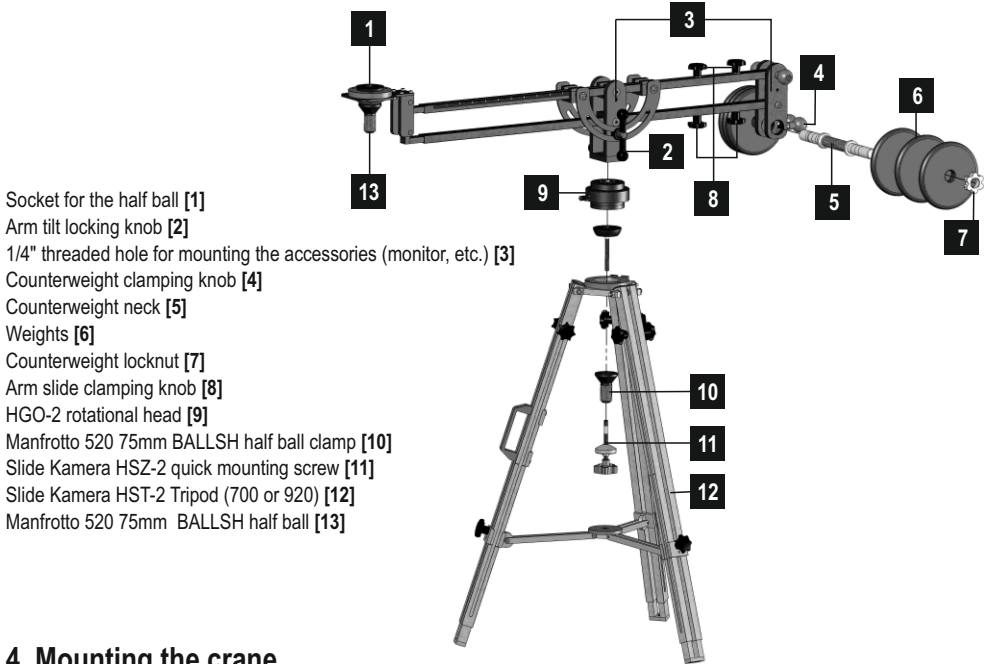
3. Preparing the crane to work

The crane should be mounted on the tripod equipped with 3/8" mounting thread that provides stable support for the device.

Tripod is not included, please purchase separately.



Figure showing the location of individual components.



4. Mounting the crane

Begin mounting Slide Kamera HKR-1 camera crane with setting up the tripod, next check if the arm tilt clamp is tightened (it makes the mounting easier)

The crane can be assembled on the tripod in two possible ways:

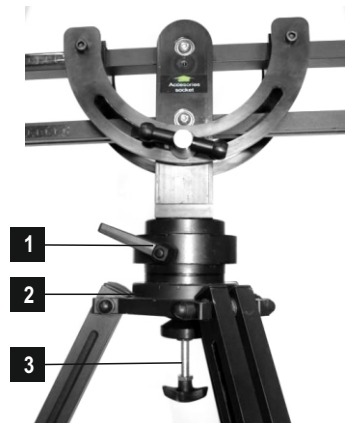
1. rigidly - with the use of Slide Kamera quick mounting screw
2. with the use of leveling half ball (equipped with 3/8" thread, for example Manfrotto 75mm 520 BALLSH)

4.1. Mounting with Slide Kamera HSZ-2 quick mounting screw (RECOMMENDED OPTION)

- Slide Kamera HGO-2 rotational head [1]
- Tripod socket 75mm or 100mm [2]
- Slide Kamera HSZ-2 quick mounting screw [3]

If there is a leveling ball on the tripod that we intend to mount the crane on, it should be removed. Attach the rotation head base mounted on the crane directly to the socket of the tripod using HSZ-2 quick mounting screw.

Mounting the crane to the tripod using the quick mounting screw provides high rigidity of the connection however, it limits the possibility of leveling the crane (leveling can only be achieved by adjusting legs of the tripod).



4.2 Mounting with the use of leveling ball equipped with 3/8" thread

Slide Kamera HGO-2 rotational head [1]

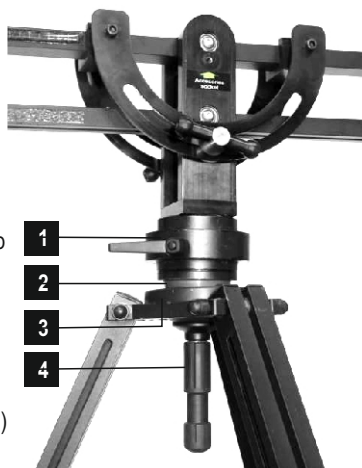
Leveling half ball [2]

Tripod socket 75mm [3]

Leveling half ball clamp [4]

Screw the leveling half ball into the Slide Kamera HGO-2 rotational head base. Next mount the half ball into the tripod socket together with the camera crane and secure the position with the half ball clamp (before tightening the leveling half ball clamp level the crane using the bubble level).

After mounting the camera crane on the tripod unlock the arm slide clamping knobs and slide the camera arm to the desired length (it is possible to set a different length of the arm than the maximum slide) Lock the knobs again. It is important that the plate on which the camera head is placed at the end of the arm in the horizontal position relative to the ground.



5. Mounting the equipment on the camera crane



Mounting with the use
of Manfrotto 75mm 520 BALL leveling half ball



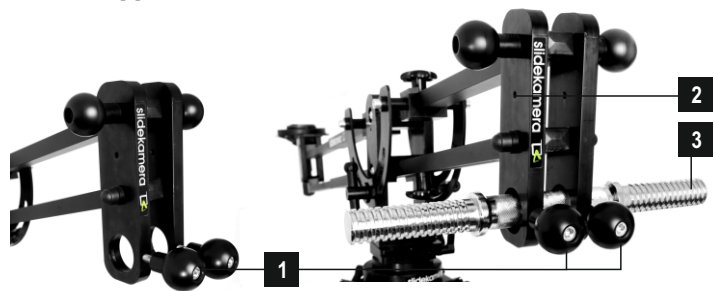
Mounting rigidly with Slide Kamera HSZ-2
quick mounting screw

Balance the crane by successively adding the weights (arm of the crane should not move either up or down).

In order to mount and balance the counterweight :

Unlock the clamping knobs and mount the counterweight neck into the sockets and lock the clamps again.
Example shown in the figure below.

- Counterweight clamping knobs [1]
- 1/4" threaded hole to attach the accessories [2]
- Counterweight neck [3]



Place the first two two-kilo weights.

6. Working with Slide Kamera HRK-1 crane

Using the crane equipped with a short arm such as HRK-1 you can work in two ways:

- By standing by the photo camera /camera (there is no need for on-camera field monitor) while manually operating the arm of the mounted head and the arm of the crane we achieve the effect as if we were using a controlled head. During shots we have full control of the way the camera or the photo camera works.
- Second method of working with HKR-1 camera crane is handling the arm from the place where the counterweights are attached. Thus, we frame the shot properly by setting the shooting angle of the camera/photo camera.We do not have the full control over the recording devices.In order to fully control the recording equipment it is advisable to use controlled heads, wired or wireless camera operating equipment as well as on-camera field monitors for proper calibration of the saved image. The crane is equipped with four 1/4" ports allowing to attach the accessories such as monitors, lamps, microphones.

For locking and adjusting the resistance to horizontal and vertical movements use the adjustment knobs.Two symmetrically positioned knobs for adjusting and locking the vertical movement of the arm and one, placed in the rotational head, to block the rotation of the crane around the axis.

- 1/4" port for mounting the accessories (monitor, microphone) [1]
- Arm tilt locking knob [2]
- Rotation locking knob [3]



7. Safety when using the crane

When working with the crane of 1940mm long working arm and maximum acceptable weight including counterweights and mounted accessories up to 25kg it is extremely important to pay special attention to the safety when using the device. Because of the weight and length of the arm any impact caused by either the arm or any device mounted on the crane may result in serious injuries or equipment damage. All clamping knobs and safety pins should be operated as instructed.

It is important to pay special attention to the fact that the arm and the counterweight clamping knobs should be securely tightened to prevent the telescopic elements of the crane from moving.

Please remember:

- ☑ It is compulsory that the nuts securing the counterweight are placed properly
- ☑ Legs of the tripod should be widely spaced to ensure stability of the device. The crane should be tightly attached to the tripod. It is not allowed to operate the crane in a way causing danger to people in the proximity of the device
- ☑ In case of any impact weight of the crane combined with high inertia of the arm present a hazard to human body and may cause damage of the equipment
- ☑ Exercise extreme caution while mounting the weights on the counterweight neck. Falling weight can cause serious injury. Exercise extreme caution during the transport of the crane. Any impact can damage the equipment

8. Maintenance and operation

The crane does not require any additional service or lubrication of the components. Maintenance procedures are reduced to keeping the equipment clean.

9. Transport

In order to ensure safe transport following conditions must be met:

- ☑ assemble the operating arm of the crane
- ☑ lock the tilt and rotation brakes
- ☑ tighten the clamping knobs to avoid the accidental spreading of the arms of the crane

The neck and counterweights are the elements transported separately. Disassembling the crane should be done in a manner opposite to assembling described in section 3 of this manual.

10. Terms of warranty

All products are covered with Slide Kamera warranty for a period of 12 months from the date of sale. Warranty covers defects in design and material.

The warranty covers repair, or if the repair is impossible, replacing the product with a new one. However the cost of replacing the product cannot overrun the catalog value of the product. The warranty does not cover damage and / or product defects resulting from improper use, as well as non-compliance with maintenance of the product.

The warranty is also void if:

- ☒ unauthorized attempts to repair or modify
- ☒ mechanical damage caused during transport and
- ☒ operation of such features, scratches, dents, pits, dirt, etc ...
- ☒ flooding, moisture

To obtain warranty service the purchaser should deliver the damaged product with proof of purchase and proof of payment (invoice, receipt, cash) to the point where the equipment was purchased. At the end of each guarantee period, you can purchase a replacement part from the manufacturer or in selected retail outlets listed on www.slidekamera.pl / www.slidekamera.eu

Producer after sales service is also available at:
HET-CNC sc, 80-175 Gdańsk, Ul. Kartuska 386

