

# Instruction manual

# FLM-PANO NDP-System

Panorama system with leveling and  
Nodal point correction



**FLM**<sup>®</sup>

## Important notes

Please read these instructions carefully before working with the NDP system. You will find important information on handling this high-quality, precision-engineered product.

During test runs, make sure that a camera and lens are loaded appropriately. If the NDP system is operated by hand without loading, you may find the resistance too high. In addition, the camera also serves as a lever for operating the PANO NDP system.

### Intended use

The system is used to be able to make the settings required for panorama photography. Both in relation to the nodal point and in relation to the horizontal alignment of the camera in relation to the tripod. With the PANO NDP system, these adjustments can be made quickly and easily. Any use beyond this intended use is considered improper and will void the warranty/guarantee.

### Assembly of the individual components

The installation of the system is explained step by step on the following page. If possible, follow these instructions until you are completely familiar with the system. For transport, the camera can later be removed from the SRB-60 and the L-bracket can be removed from the QRB-50. Likewise, the HSA-80 should be removed from the LB-15 for transport. All other parts can remain mounted. As a rule, no threadlocker is required during assembly. The rubber/cork pads provide sufficient clamping effect so that additional securing with Loctite or other threadlockers is not necessary.

### Mounting the PANO NDP system on the tripod

The system is mounted via the LB-15, which is mounted on the tripod with the 3/8" thread on the bottom. Alternatively, it can also be mounted with a 1/4" connection. To do this, the adapter included with the LB-15 is screwed into the 3/8" bottom thread of the LB-15 and then reduced to 1/4".

### Mounting the camera on the SRB-60

The camera is fitted with the QRP-70 photo plate (see separate QRP instructions). The camera is then mounted on the SRB-60 according to the separate instructions SRB.

**ATTENTION:** Do not remove your hand from the camera until it is securely held on the base.

### Levelling the camera

With the help of the LB-15, the system is horizontally aligned (levelled) on the sativa. See also separate instructions LB-15/LB-25.

### Setting options for adjusting the nodal point

- Moving the L-angle to the right/left on the QRB-50
- Moving the camera forward/backward on the SRB-60
- Move the camera on the QRP-70 (by loosening the screw) forwards/backwards, if moving the camera on the SRB-60 is not sufficient.
- Adjusting the horizon by tilting around the transverse axis of the camera on the P1 (vertical).
- Levelling with the help of the LB-15



## Assembly of the individual components to form the finished NDP system

Before you start with the assembly, we recommend that you read through all the instructions for the individual components and familiarise yourself with the operation of the respective unit. This avoids problems during assembly and operation of the fully assembled system.

- 1.) do the mounting of the L-bracket according to the instructions
- 2.) mount the SRB-60 on one of the two P-1s; the mounting is done on the 3/8" thread of the P-1
- 3.) mount the P-1 with mounted SRB-60 on the long leg of the L-bracket (upper oblong hole); the mounting is done with the 3/8" screw; the 1/4" screw is removed before mounting the P-1
- 4.) mount the QRB-50 on the second P-1 by connecting it to the 3/8" thread of the P-1
- 5.) assemble the P-1 with the already mounted QRB-50 on the LB-15
- 6.) assemble the LB-15 with the already mounted P-1 on the tripod and tighten the clamping knob of the LB-15 slightly so that it does not tilt when the L-bracket becomes mounted, see also the LB-15 instructions
- 7.) mount the L-bracket with mounted P-1 on the QRB-50, see also instructions QRB
- 8.) attach the QRP-70 to the camera (the mounting must be done in such a way that the longitudinal direction of the QRP is transverse to the camera housing; otherwise it is not possible to move the to the camera body forwards or backwards)
- 9.) mount the camera with mounted QRP-70 on the SRB-60, see also instructions SRB
- 10.) the HSA-80 is plugged into one of the two places on the side of the LB-15 and tightened with the star nut; the supplied 2D bubble or alternatively other accessories with a hot shoe adapter can then be mounted on the HSA-80

If you have any problems with the installation or operation of the system, please contact our customer service.



Space for your notes

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