

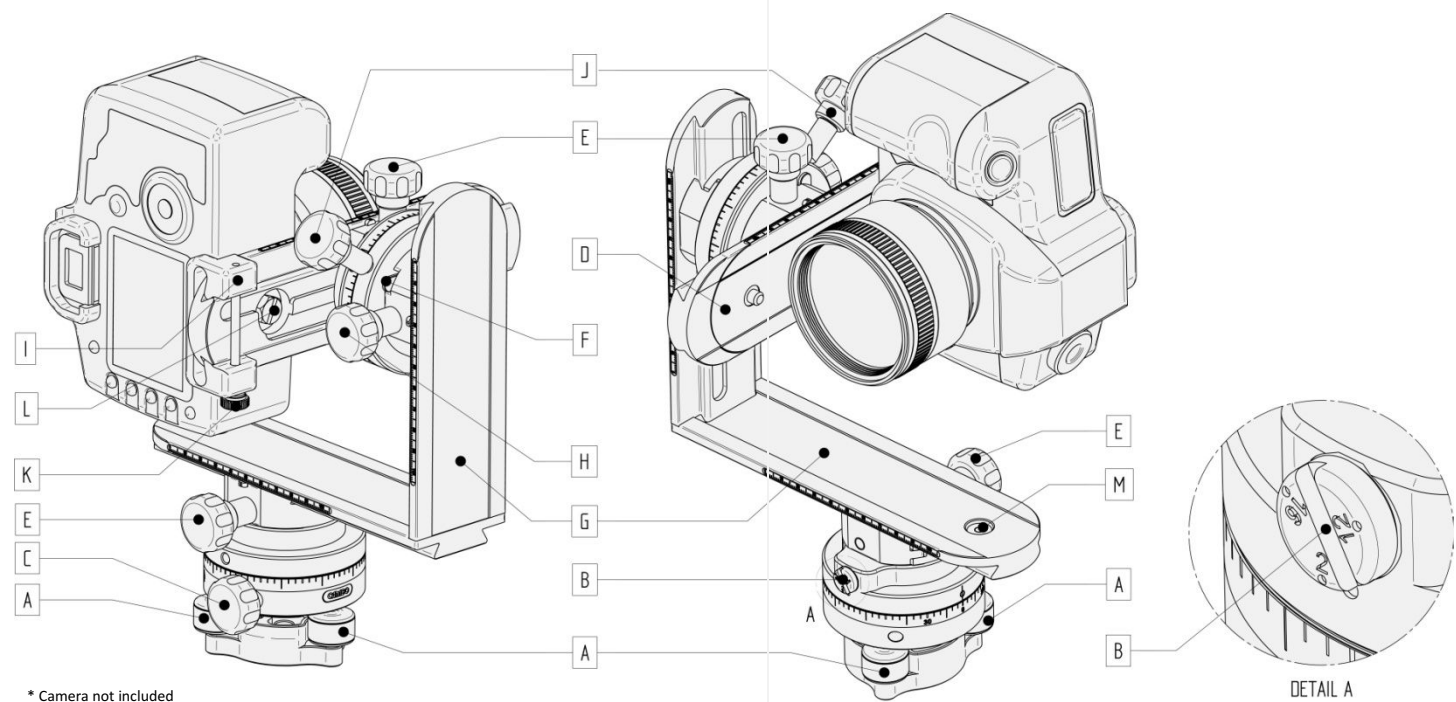
CAMBO

CLH-500 Panoramic Level Head

Caution! Before use check if all clamping knobs are tightened. Always support the camera when loosening knob H.

Nomenclature

- A Level thumbscrews
- B Pre-selector switch; 2 (180°), 12 (30°) and 16 (22,5°)
- C Rotation lock (horizontal plane 0-360°)
- D Quick-release (QR) plate (CLH-510)
- E Clamp QR plate (CLH-510) or L-bracket (CLH-520)
- F Release lever QR plate or L-bracket
- G L-bracket (CLH-520)
- H Clamp QR plate, height adjustment
- I Alignment block
- J Rotation lock (vertical plane 0-360°)
- K Clamp lock alignment
- L Camera screw (1/4" or 3/8")
- M Spirit level



INSTRUCTION - CLH-500 Panoramic Level Head

The Level Head can be fine-leveled with 3 individual thumbscrews (A), 2 for horizon and 1 for perpendicular setting.

The head with camera can be rotated 360 degrees. The pre-selector switch (B) can be set to three different fixed intervals with indents, the pre-selections are: 2 (180°), 12 (30°) and 16 (22,5°). Any position in the range 0-360° can be locked with the knob C.

The camera can be mounted to the CAMBO QR (quick-release) plate (D) using the 1/4" or 3/8" screw.

To remove parallax errors the rotation axis of the panorama head and the nodal point of a specific lens must align. Please first level the panoramic head using the level thumbscrews A. Then find two (vertical) objects, one near and one far object from the camera setup. When the panorama head rotates (horizontal plane) the relative position of these objects must remain the same.

When the relative position of these objects change when turning the panorama head, the sliding plate (D) must be positioned either forwards or backwards until the relative position between these objects is constant. The sliding plate can be locked with knob E. To fully slide the QR-plate from the mount press the release lever (F).

The L-bracket setup CLH-520 enables shooting in portrait mode and is optional to the CLH-533 set. The CLH-500 set includes the L-bracket setup.

The L-bracket (G) fits the CAMBO QR-mount. When using the L-bracket, please use the same distance setting of the sliding plate when shooting in landscape mode (corresponding to the nodal point of the specific lens in the direction parallel to the axis of the lens). Then use the same method described above to find the nodal point in the direction perpendicular to the lens axis.

Please support the camera when unfasten knob H to set the height of the camera on the L-bracket!

To rotate the camera in the vertical plane, please unlock knob J. For the vertical rotation head there is a snap indication each 15 degrees.

For transport the panorama head system can be taken fully apart, using the quick release mounts. The precision scales ensure the reproduction of the nodal point setup for each individual lens/camera combination.

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