

WARNING: ALWAYS DETACH TELESCOPE OR CAMERA FROM KD MOUNT AND TRIPOD BETWEEN SITE SET-UPS, AS WEIGHT AND KNOCKS MAY CAUSE SERIOUS DAMAGE TO KD MOUNT BASE-PLATE ASSEMBLY!

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MIZAR KD-Mount & the new KD-2 (page 2)

KD Mount ¥17,000
KD-2 ¥22,500

Unique action effects are achieved using the KD-Motorized Mount in settings such as busy intersections, rail stations, marinas, staged visual settings, anywhere, with a slow, rock-steady pan and one-second stills.

- This inexpensive unit offers simple, smooth, tremor-free operation comparable to far more expensive units with similar functionality. The KD-Mount comfortably supports weights up to 2.5 kilograms and with basic care and operation within weight limits, the KD-Mount is rugged enough to chase the action with you for years on the road.
- The controller, attaches to the KD-Mount with a 1.5-meter-length cable, and allows 2 axial drive modes of up and down movement and full 360° rotation at two speeds; 1 or 0.2 degrees per second.
- The KD-Mount connects at its aluminum base-plate using a universal 1/4-inch bolt on any standard camera tripod head.
- Attach your camera to the KD-Mount top by either of two retractable 1/4-inch bolts.
- The unit is powered by DC 12V drive and comes with a battery box for 8 (eight) UM3 or AA standard-sized 1.5 volt batteries and soft carry case.
- Shipment (2.65 kg in total) includes KD-Mount, Controller, Cable and Battery Box with Soft Carry Case.

100% MADE IN JAPAN

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MIZAR Optical Instruments, Japan was established in 1957 and enjoys a long history of quality products and customer satisfaction in Japan.

Customer satisfaction is guaranteed by MIZAR's strict quality control and inspection standards. Every item is inspected before shipment.

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Announcing the refitted **KD-2** Need a stronger KD Mount ?

OK. So what's different?

1. First of all there is a new base plate and assembly. We listened when a few of you said that it isn't always possible or practical to remove the KD Mount from the tripod out in the field shooting unpredictable subjects. We added extra thickness to the base-plate and ran 3 bolts up into the upper housing, replacing the 3 screws that support the smaller, lighter KD base-plate.
2. We also listened when you said that the panning handle should only be a panning handle and not BOTH the panning handle and vertical tension screw for motor operation. There is now a vertical tension knob at the top just like the horizontal knob at the base.
3. The new KD-2 is not mass produced but is assembled per order and may take from 7-10 days before shipment. Shipping weight comes in under 3000 gms from the 2650 gm original so there is no increase in shipping fee. All well worth the wait.

PS. We have also received requests for a longer power cable for those situations where one is safer behind cover. So we offer a 5-meter cable now too. Any longer and you'd need Mizar binoculars to see the camera's view finder.

KD Mount ¥17,000

KD-2 ¥22,500

5-Meter Power Cable ¥4,000

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Using the KD-Mount with

Video Cameras



This KD Motor Mount was originally designed for use with telescopes for slow tracking of the movement of stars. It can also easily be used for slow and controlled panning time-lapse/interval recording with Film, Video or SLR and DSLR still cameras.

The Components of the KD Motor Mount

(photos on page 2)

- Horizontal Tension Screw (HTS)
- Vertical Tension Screw/Pan Handle (VTS)
- Camera Attachment Base
- Tripod Attachment Base
- Remote Control Pad
- 12Volt Battery Pack

Three Steps for Set-Up of Video Cameras

Step 1. Attaching the KD Mount to a Tripod

The Mount can be mounted on a tripod head or the better solution is to remove your existing tripod head and replace it with the KD Mount. Although the KD Mount is not compatible with the well and ball systems of professional tripods you can simply buy a large flat washer, a long enough 1/4 inch screw and attach it to the KD Mount through the well hole into the Tripod Attachment Base of the KD Mount and tightening the screw you now have a solid tripod head although it will not be universally adjustable like the Well and ball system. To level the tripod you

will have to adjust the legs of the tripod accordingly.

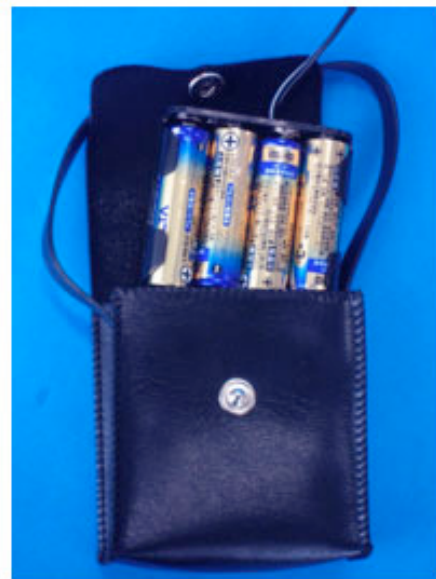
Step 2. Attaching the Camera to the KD Mount

The camera can be attached to the forward 1/4 inch screw on the Camera Attachment Base. You will notice there are two screws. This is for Telescopes. The rear screw can be ignored when using Video or DSLR Cameras. These screws are longer than standard VideoCamera Tripod 1/4 screws and you may have to add something between the Camera Attachment Base and the Camera to adjust for this.

Step 3. Adjusting the KD Mount's Horizontal and Vertical positions

There are two tightenable screws located on the mount that should be loose when manually adjusting/panning the horizontal or vertical movement of the camera and should be tightened for motorized movements using the remote control pad. If they are not tightened there will not be enough friction to allow the gears to continue moving the mount. The Horizontal Tension Screw (HTS) is located at the base of the mount. The Vertical Tension Screw/Pan Handle (VTS) is actually the pan handle itself which can be loosened or tightened.

Attention: Make sure the Horizontal Tension Screw (HTS) is loose when manually moving the mount horizontally. If you attempt to manually horizontally pan the mount while this screw is tightened you may accidentally loosen the screw that is attached to the Tripod Attachment Base holding the mount to the tripod base. This can cause the mount to become unattached and fall off the tripod legs along with whatever is attached to it.



• Controlling Panning •

The Mount has two speeds. High which moves at 1 degree a second and Low which moves at 0.2 degrees a second. The control for these speeds are located on a switch on the Remote Control Pad. The connection port for the Remote Control Pad is located on the lower front of the Motor Mount.

The power source is a 12 Volt Battery Pack that takes 8 AA batteries. Alternatively you can buy a 12v adapter that plugs into a power-point. The connection port for the 12V Battery Pack is located next to the connection for the Remote Control Pad at the lower front of the Motor Mount.

The Remote Control Pad has a four directional button pad. The Up and Down buttons control the Vertical Tilt Pan. The Left and Right Buttons control the Horizontal Pan. By pressing down one of the buttons the mount will move for as long as you continue to press. Also, if you press the Up and left button at the same time the mount will move left horizontally and Up

vertically simultaneously. If you press the right and down button the mount will move in these directions simultaneously and so on.

The four simultaneous horizontal and vertical movement combinations are as follows.

Left and Up,
Left and Down,
Right and Up,
Right and Down.

The Remote Control Pad also has an OFF, LOW and HIGH switch. When switched to the LOW mode the Motor Mount will move at 0.2 Degrees a second when one of the four directional buttons is pressed. The HIGH mode will allow the Motor Mount to move at 1 Degree a second when any of the directional buttons are pressed. The switch should be returned to OFF position when not in use to stop any unnecessary battery drainage.

The mount can also be used for regular manual horizontal panning and vertical tilt panning without the control pad. Make sure the Horizontal and Vertical Tension Screws are loosened when doing so.

ALEXANDER KUBALSKY is a filmmaker and toy designer living in Tokyo. He addresses some KD-Motor Mount questions on filmmaker Philip Bloom's forum at: <http://www.hostingphpbb.com/forum/viewtopic.php?t=17&start=15&mforum=philipbloom>