

# Kessler Revolution™ Pan & Tilt System



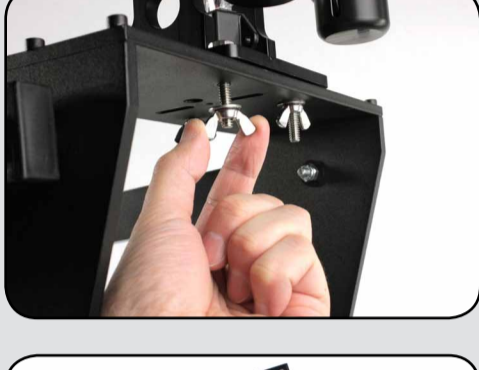
## REVOLUTION REFERENCE GUIDE

The Kessler REVOLUTION Pan and Tilt System is our answer to the need for an affordable, quality motorized pan & tilt head. After years of development, we have produced a motorized head that addresses the failings of other pan / tilt heads in this price range. When paired with the ORACLE Controller, we feel the REVOLUTION is the most feature rich and best motorized head solution on the market, for under \$5000.

### CRANE INSTALLATION

The REVOLUTION can be easily mounted to any of the Kessler Crane kits. Both upright and under-slung configurations are possible.

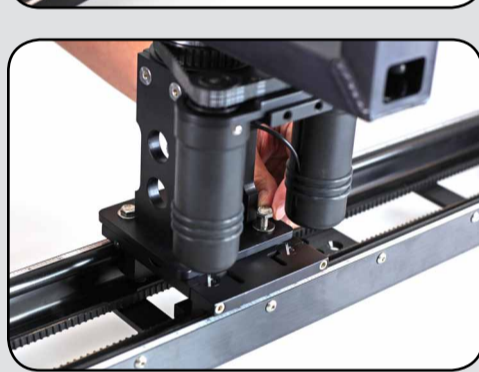
1. Locate the four (4) stainless steel bolts, four (4) wing nuts, and eight (8) washers included with the REVOLUTION installation kit.
2. Secure the crane or have someone assist while installing. If installing by yourself, lower the crane all the way to the ground to prevent drops.
3. Align the 4 hole bolt pattern on the crane's camera sling to the bottom of the REVOLUTION.
4. Insert a bolt with washer through the four holes and secure on other side with wing nut and another washer.
5. Tighten all four bolts securely and check all connections on the crane to assure a solid mount.
6. If desired, the camera sling on the crane can be flipped for under-slugging the REVOLUTION. Follow the same installation procedure as above to mount to an under-slung crane camera cradle.



### SLIDER INSTALLATION

The REVOLUTION can be mounted to the Kessler CineSlider systems for a third axis of movement.

1. Mount the CineSlider to a Hercules head or attach outrigger feet (as shown) before installing the REVOLUTION head to prevent the slider from tipping.
2. Locate the four (4) 3/4" stainless steel bolts and four (4) washers.
3. Align the four corner holes on the base of the REVOLUTION to the corresponding holes on the slider cart.
4. Insert a bolt with washer through the four holes and secure. **NOTE: Use 3/4" length bolts only as longer bolts may hit and damage the track.**
5. Tighten all four bolts securely and check all connections before mounting camera equipment.



### SHUTTLE POD INSTALLATION

The REVOLUTION can be mounted to the Kessler ShuttlePod systems for longer sliding shots.

1. Locate four (4) 3/4" stainless steel bolts and four (4) washers.
2. Align the four corner holes on the base of the REVOLUTION to the corresponding holes on the ShuttlePod cart.
3. Insert a bolt with washer through the four holes and secure.
4. Tighten all four bolts securely and check all connections before mounting camera equipment.



### USING THE OPTIONAL VERTICAL ADJUSTMENT KIT

This upgrade kit allows for vertical adjustment of the camera mounting platform on the Revolution Head. Use this when the center of gravity of the camera needs to be adjusted.

1. With your camera securely mounted to the Revolution head, loosen the two knobs on the vertical adjustment posts.
2. Raise or lower the camera as necessary to center the body with the rotational access of the Revolution head.
3. Once aligned, tighten the two knobs to hold vertical position in place.



### CONNECTING THE ORACLE

The ORACLE is required for operating the REVOLUTION head. It can be used for both live motion control and time lapse control.

1. Attach the included splitter and cat5 cable to the two (2) motor drive cables on the REVOLUTION head.
2. Plug the other end of the cat5 cable into an ORACLE controller.
3. Power up the ORACLE and select "Head Unit" from the startup screen. Reference the ORACLE user manual for detailed operation information.

