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VANGUARD PV-14

Vanguard Veo PV-14 Video Ball Head Instruction Manual

INTRODUCTION

The Vanguard Veo PV-14 is a high-quality fluid video ball head designed for smooth and precise camera movements. Engineered with CNC manufacturing, it offers exceptional control for both DSLR and mirrorless cameras, making it ideal for videography and photography requiring fluid motion. This manual provides detailed instructions for setting up, operating, and maintaining your Veo PV-14 video head.

WHAT'S IN THE BOX

Carefully unpack your Vanguard Veo PV-14 video ball head and ensure all components are present:

- Vanguard Veo PV-14 Video Ball Head
- Quick Release Shoe (QS-71P)
- Pan Handle (Lever)
- User Manual



Image: The Vanguard Veo PV-14 Video Ball Head, its pan handle, and the product box, as received.

SETUP

1. Attaching the Pan Handle

The pan handle provides ergonomic control for smooth panning and tilting. It can be attached to either side of the video head for user preference.

1. Locate the threaded port on either side of the video head.
2. Screw the pan handle into the chosen port until it is securely fastened.



Image: The Veo PV-14 head with the pan handle attached to the right side, ready for use.

2. Mounting the Video Head to a Tripod

The Veo PV-14 features a 1/4"-3/8" connection screw for universal compatibility with most tripods. Ensure your tripod is stable and capable of supporting the combined weight of the head and your camera equipment.

1. Align the threaded base of the video head with the mounting screw on your tripod.
2. Rotate the video head clockwise until it is firmly secured to the tripod. Do not overtighten.



Image: The Vanguard Veo PV-14 video head securely mounted on a tripod, viewed from the front-right.

3. Attaching the Quick Release Shoe to Your Camera

The QS-71P quick release shoe provides a secure and convenient way to attach and detach your camera.

1. Locate the 1/4"-20 camera screw on the quick release shoe.
2. Align the screw with the tripod mount on the bottom of your camera.
3. Tighten the screw using a coin or screwdriver until the plate is firmly attached to your camera. Ensure it is snug to prevent rotation.



Image: A close-up view of the QS-71P quick release plate, showing the camera screw and anti-slip pads.

4. Mounting Your Camera to the Video Head

Once the quick release shoe is attached to your camera, you can mount it to the video head.

1. Ensure the quick release clamp on the video head is open by turning the quick shoe lock knob counter-clockwise and pressing the safety release button.
2. Slide the quick release shoe (with your camera attached) into the clamp on the video head.
3. Once the plate is fully seated, release the safety button and turn the quick shoe lock knob clockwise to secure your camera. Verify that the camera is firmly locked in place before use.





Image: The quick release plate being inserted into the clamp mechanism of the Veo PV-14 video head.

OPERATING THE VIDEO HEAD

Panning and Tilting

The Veo PV-14 offers smooth 360° panning and vertical tilt from -45° to +90°.

- **Pan Lock Knob:** Located at the base of the head, this knob controls the 360° horizontal rotation. Loosen to pan smoothly, tighten to lock the horizontal position.
- **Tilt Lock Knob:** This knob controls the vertical tilt movement. Loosen to tilt the camera up or down, tighten to lock the vertical angle.
- **Friction Control:** The head features a knob to adjust the resistance of movement, allowing you to customize the fluidity of your pans and tilts based on your equipment weight and desired shot.



Image: A detailed view of the Veo PV-14 head, highlighting the various adjustment knobs for pan, tilt, and friction control.

Using the Spirit Level

A built-in spirit level helps ensure your camera is perfectly level for accurate horizontal shots.

- Observe the bubble in the spirit level located on the quick release plate.
- Adjust your tripod legs or the head's leveling base until the bubble is centered, indicating a level horizon.



Image: A close-up of the quick release plate on the Veo PV-14, clearly showing the integrated spirit level for precise leveling.

MAINTENANCE

Proper maintenance will extend the life and performance of your Vanguard Veo PV-14 video ball head.

- **Cleaning:** Use a soft, dry cloth to wipe down the head after each use. For stubborn dirt, a slightly damp cloth can be used, followed by immediate drying. Avoid harsh chemicals or abrasive materials.
- **Lubrication:** The fluid mechanism is factory-sealed and does not require user lubrication. Do not attempt to disassemble the head for lubrication.

- **Storage:** Store the video head in a clean, dry environment, away from extreme temperatures and humidity.
- **Inspection:** Periodically check all screws and knobs to ensure they are tight. Do not overtighten.

TROUBLESHOOTING

- **Movement is not smooth:** Ensure all lock knobs (pan and tilt) are sufficiently loosened. Check the friction control knob and adjust it to your desired level of resistance.
- **Camera is not secure on the head:** Verify that the quick release shoe is correctly seated in the clamp and the quick shoe lock knob is fully tightened. Ensure the safety pin has engaged. Also, check that the quick release shoe is securely attached to your camera.
- **Head wobbles on the tripod:** Confirm that the video head is tightly screwed onto the tripod's mounting plate. Also, check the stability of your tripod itself.

SPECIFICATIONS

Feature	Specification
Model	Veo PV-14
Weight	545 g (1.19 lbs)
Maximum Load Capacity	8 kg (17.6 lbs)
Height	90 mm
Base Diameter	50 mm
Panoramic Rotation	360°
Vertical Tilt Range	-45° to +90°
Quick Release Shoe	QS-71P (Arca-compatible)
Tripod Connection	1/4"-3/8" screw
Features	Friction control, safety pin, spirit level, interchangeable handle

WARRANTY AND SUPPORT

Vanguard products are manufactured to high standards and come with a manufacturer's warranty. For specific warranty details, registration, or technical support, please refer to the official Vanguard website or contact their customer service directly. Keep your proof of purchase for warranty claims.