ULANZI U-190

ULANZI U-190 Mini Pan Tilt Fluid Head Instruction Manual

Model: U-190 | Brand: ULANZI

1. OVERVIEW

The ULANZI U-190 Mini Pan Tilt Fluid Head is a compact and portable video fluid head designed for smooth and precise camera movements. Constructed from aircraft-grade aluminum alloy, it offers a robust build with a load capacity of up to 3kg (6.6lb), making it compatible with most compact cameras. Its features include a 360° panoramic swivel, +90°/-80° tilt, an Arca-Swiss quick release system, and a detachable handle for versatile shooting angles.

2. PACKAGE CONTENTS

- Fluid Video Head x 1
- Detachable Handle x 1
- Hexagon Wrench x 1
- Adapter Wrench x 1
- 3/8" to 1/4" Adapter x 1

3. PRODUCT FEATURES

- **Small & Portable:** Weighs only 353g/0.77lb, with a height of 77mm/2.76in and a 40mm/1.57in-diameter base, ideal for travel and mini video setups.
- **Smooth & Well-damped Movement:** Offers silky smooth controls with +90°/-80° tilt and 360° swivel for fluid footage.
- **Arca Swiss Quick Release System:** Includes a quick release plate for Arca-Swiss, allowing fast transitions between handheld and tripod use.
- **Solid and Well-built:** Made from aircraft-grade aluminum alloy with a load capacity of up to 3kg/6.6lb.
- **Two-Way Handle:** Detachable handle can be used for backhand or forehand operation, optimizing overhead or elevation shots.
- **Integrated Allen Wrench:** A small Allen wrench is conveniently tucked away inside the head, held by

magnets.

4. Setup Guide

4.1 Attaching to a Tripod/Monopod

The ULANZI U-190 features a universal 1/4" & 3/8" thread for broad compatibility with various tripods and monopods. Use the included 3/8" to 1/4" adapter if needed.

Image: The ULANZI U-190 Fluid Head demonstrating compatibility with heavy-duty, travel, and mini tripods, as well as sliders.

Image: The base of the ULANZI U-190 Fluid Head illustrating the 1/4" and 3/8" screw options for mounting.

4.2 Attaching the Detachable Handle

The handle can be screwed into either side of the fluid head for comfortable backhand or forehand operation. This allows for greater flexibility in achieving desired camera angles.

Easy to use

Easy to adjust horizontal and vertical angle by little force

90°

-80°

Image: A hand attaching the detachable handle to the side of the ULANZI U-190 Fluid Head.

4.3 Attaching Your Camera (Arca-Swiss Quick Release)

The fluid head features an Arca-Swiss quick release system. Attach the quick release plate to your camera's 1/4" screw thread. Then, slide the plate with your camera into the fluid head's clamp and tighten the locking knob securely.

Image: A camera with an Arca-Swiss quick release plate being mounted onto the ULANZI U-190 Fluid Head.

Your browser does not support the video tag.

Video: Demonstrates the smooth movement and quick release plate functionality of the ULANZI U-190 Fluid Head, including overhead and elevation shots.

5. OPERATING INSTRUCTIONS

5.1 Panning (360° Swivel)

To pan your camera horizontally, loosen the bottom locking knob. The fluid head allows for a full 360° rotation. Tighten the knob to secure the desired panoramic position. The base features a 360° precision scale for accurate adjustments.

Image: A camera mounted on the ULANZI U-190 Fluid Head, illustrating the 360° panoramic movement with a precision scale.

5.2 Tilting (+90°/-80° Movement)

To tilt your camera vertically, loosen the side locking knob on the handle side. The head supports a tilt range of +90° to -80°. Adjust to your desired angle and tighten the knob to lock it in place.

Panoramic Ball Head
for Precision Shooting

Comes with a 360° precision scale for easy access to the position

Locking knob

Image: The ULANZI U-190 Fluid Head demonstrating its vertical tilt range from +90° to -80°.

5.3 Adjusting Handle Position

The detachable handle can be rotated and adjusted to different angles for optimal grip and control during shooting. Simply loosen the handle's attachment point, adjust, and re-tighten.
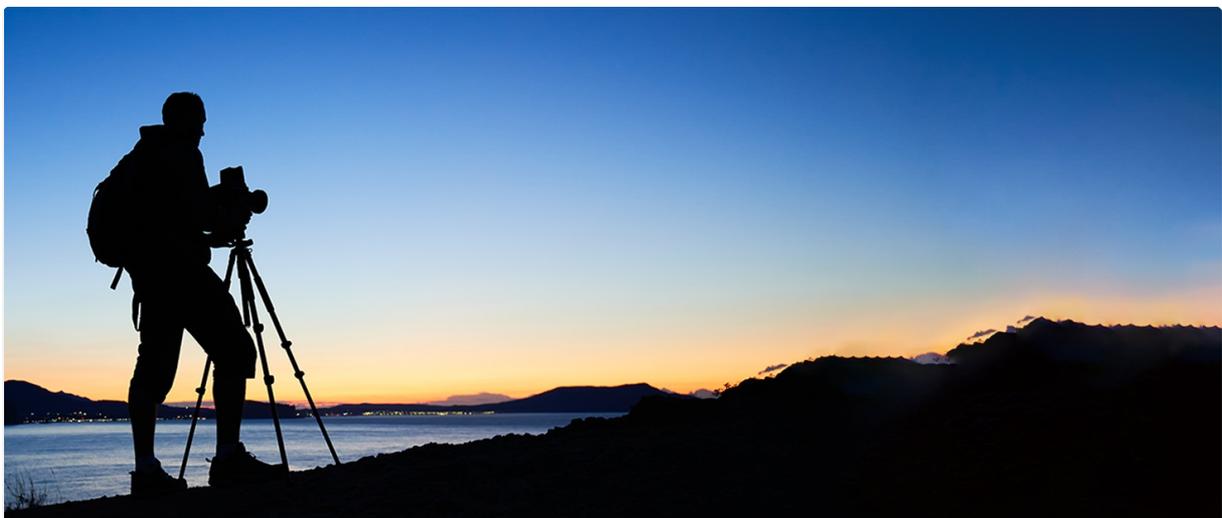

Image: The ULANZI U-190 Fluid Head showing the detachable handle configured for both forehand and backhand use.

6. MAINTENANCE

- Keep the fluid head clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Avoid exposing the fluid head to extreme temperatures or harsh chemicals.
- Ensure all knobs and screws are securely tightened before and during use to prevent accidental damage to your equipment.
- Store the fluid head in a dry, cool place when not in use.

7. TROUBLESHOOTING

- **Sticky Panning/Tilting:** Ensure the respective locking knobs are sufficiently loosened. If the head is mounted on a tripod, check that the tripod's mounting screw is not overtightened, as this can cause friction.
- **Camera Wobbles:** Verify that the Arca-Swiss quick release plate is securely attached to your camera and that the fluid head's clamp is fully tightened. Also, check the stability of your tripod or monopod.
- **Handle Loose:** Re-tighten the detachable handle by screwing it firmly into its designated port.

8. SPECIFICATIONS

Feature	Detail
Model Name	U-190
Brand	ULANZI
Item Weight	349 Grams (0.77 lb)
Product Dimensions	1.57"D x 1.57"W x 3.03"H
Maximum Weight Recommendation	3 Kilograms (6.6 lb)
Compatible Devices	Camera (most compact cameras, DSLR, SLR)
Built-In Media	Ball head (Fluid Head)
Mounting Thread	Universal 1/4" & 3/8"
Tilt Range	+90° / -80°
Pan Range	360°

9. WARRANTY AND SUPPORT

ULANZI provides a 12-month warranty for this item. If you have any questions or require support, please contact ULANZI customer service.

For more information and support, visit the official ULANZI Store:ULANZI Store on Amazon.