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E-Image MC-120

E-Image MC-120 Handheld Multi-Function Carbon Stabilizer Instruction Manual

Model: MC-120

1. INTRODUCTION

The E-Image MC-120 is a versatile handheld multi-function carbon stabilizer designed to provide smooth, stable footage for DSLR cameras and compact camcorders. This innovative device offers three distinct functions: a handheld stabilizer, a monopod, and a mini tripod, making it an essential tool for various shooting scenarios. Its carbon fiber construction ensures durability while maintaining a lightweight profile for ease of use.

2. PRODUCT OVERVIEW AND FEATURES

The MC-120 stabilizer is engineered for quick setup and precise balancing, ensuring optimal performance for your camera equipment. Key features include:

- **Quick Release Plate:** Features a marked quick release plate to record dynamic balance settings for different camcorders, allowing for rapid camera attachment and detachment.
- **Adjustable Gimbal:** The gimbal can be adjusted up or down using a twist-locking mechanism, complemented by a 180° adjustable handle to maintain camera balance.
- **Telescoping Post:** An adjustment twist knob allows for easy extension or folding of the telescoping post, adapting to various height requirements.
- **Counterweight System:** Designed to allow for the free addition of counterweights, enabling fine-tuning of balance for different camera setups.
- **Three-Step Angle Adjustment:** Legs feature a three-step angle adjustment, providing flexibility for different terrains and shooting angles.
- **Foldable Legs:** Legs can be folded up or down freely, enhancing portability and ease of carrying.
- **Multi-Functionality:** Easily converts between a compact handheld stabilizer, a professional monopod, and a mini tripod by reconfiguring its components.



Figure 1: The E-Image MC-120 Handheld Multi-Function Carbon Stabilizer in its extended configuration, ready for use as a stabilizer or monopod. It features a fluid head, adjustable handle, and a telescoping carbon fiber post with a base that can convert into a mini tripod.



Figure 2: The E-Image MC-120 configured as a monopod, supporting a camera. This setup provides vertical stability and allows for quick repositioning, ideal for dynamic shooting environments.



Figure 3: The E-Image MC-120 in its mini tripod configuration, providing a stable, low-profile platform for a camera. This compact setup is suitable for tabletop shots or when a full-sized tripod is not feasible.

3. WHAT'S IN THE Box

Upon unboxing your E-Image MC-120, you should find the following components:

- 1 x E-Image MC-120 Stabilizer Steadycam

4. SETUP INSTRUCTIONS

Follow these steps to set up and balance your MC-120 stabilizer:

1. Attaching Your Camera:

- Locate the quick release plate on the fluid head.
- Attach the quick release plate to the bottom of your camera. Ensure it is securely fastened.
- Slide the camera with the attached quick release plate onto the fluid head until it clicks into place. Note the mark on the plate for future reference to quickly achieve dynamic balance for your specific camera.

2. Balancing the Stabilizer:

- **Vertical Balance:** Adjust the gimbal up or down by twisting the locking mechanism. The goal is to find the point where the camera remains level when held freely.
- **Horizontal Balance:** Use the quick release plate's sliding mechanism to adjust the camera's position forward or backward until the stabilizer is horizontally balanced.
- **Adding Counterweights:** If necessary, attach additional counterweights to the bottom of the stabilizer to achieve perfect balance. Experiment with different weights and positions.

3. Adjusting the Telescoping Post:

- To extend or fold the telescoping post, loosen the adjustment twist knob.
- Adjust the post to your desired height and then firmly tighten the knob to secure it.

4. Converting to Monopod or Mini Tripod:

- **Handheld Stabilizer:** Ensure the plate set is firmly attached to the fluid head, and the twist ring and knob are locked.
- **Monopod:** The gimbal set can be removed from the base to function as a professional monopod.
- **Mini Tripod:** Release the fluid head and bottom leg separately. The bottom leg assembly can then be set up as a baby kit (mini tripod) by adjusting the three-step angle adjustment on the legs.

5. OPERATING INSTRUCTIONS

Once your MC-120 is properly balanced and configured, follow these guidelines for operation:

- **Holding the Stabilizer:** Hold the stabilizer by the adjustable handle, ensuring a relaxed grip. Avoid gripping the main post directly, as this can transfer unwanted movements to the camera.
- **Movement:** Practice walking smoothly, bending your knees slightly to absorb shocks. Use your body to guide the stabilizer, allowing the gimbal to isolate the camera from your movements.
- **Panning and Tilting:** Use the 180° adjustable handle for controlled panning and tilting movements. Avoid jerky motions.
- **Monopod Use:** When using as a monopod, extend the post to the desired height and ensure the base is stable on the ground. This is ideal for situations requiring quick setup and portability.
- **Mini Tripod Use:** For static shots or low-angle perspectives, deploy the mini tripod legs. Adjust the leg angles for maximum stability on uneven surfaces.

6. MAINTENANCE

Proper maintenance will extend the life and performance of your E-Image MC-120 stabilizer:

- **Cleaning:** Wipe down the carbon fiber and metal components with a soft, dry cloth after each use. For stubborn dirt, use a slightly damp cloth and dry thoroughly. Avoid harsh chemicals.
- **Lubrication:** Periodically check moving parts, especially the gimbal and quick release plate mechanism, for smooth operation. Apply a small amount of silicone-based lubricant if necessary, avoiding excessive application.
- **Storage:** Store the stabilizer in a clean, dry place, preferably in its original packaging or a protective case, to prevent dust accumulation and physical damage.

- **Inspection:** Regularly inspect all screws, knobs, and locking mechanisms to ensure they are tight and functioning correctly. Do not overtighten.

7. TROUBLESHOOTING

If you encounter issues with your MC-120 stabilizer, consider the following common solutions:

- **Unstable Footage:**
 - Re-check the balance of your camera on the quick release plate. Ensure both vertical and horizontal balance are precise.
 - Verify that all locking mechanisms (gimbal, telescoping post, quick release plate) are securely tightened.
 - Adjust counterweights as needed to achieve optimal drop time and stability.
- **Difficulty Adjusting Post/Gimbal:**
 - Ensure the twist knobs are fully loosened before attempting to adjust.
 - Check for any obstructions or debris in the locking mechanisms.
- **Camera Not Secure:**
 - Ensure the quick release plate is firmly attached to the camera and fully engaged in the fluid head.
 - Confirm the quick release plate's locking lever is in the locked position.

8. SPECIFICATIONS

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|-----------------------------------|-------------------------------------|
| Model | MC-120 |
| Construction Material | Carbon Fibre |
| Top Plate Dimensions | 115 x 60 mm |
| Working Height | 750 - 1710 mm |
| Max. Diameter | 25 mm |
| Net Weight | 2.10 kg |
| Payload Capacity | 6 kg |
| Product Dimensions (LxWxH) | 83.2 x 17 x 17 cm |
| Item Weight | 5.5 kg (packaged) |
| Compatible Devices | Cameras (DSLRs, Compact Camcorders) |
| Colour | Black |

9. WARRANTY AND SUPPORT

The E-Image MC-120 Handheld Multi-Function Carbon Stabilizer comes with a **1 Year Warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product meets its specified

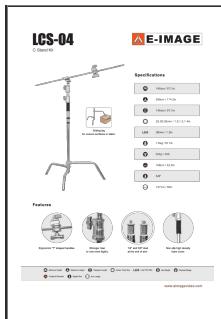
performance standards under normal use.

For technical support, warranty claims, or service inquiries, please contact your authorized E-Image dealer or visit the official E-Image website for contact information. Please have your purchase receipt and product model number (MC-120) available when contacting support.

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Related Documents - MC-120

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|---|--|
|  | <p><u>E-IMAGE GH08 75mm Fluid Head - Professional Camera Support System</u></p> <p>Explore the E-IMAGE GH08 75mm Fluid Head, a professional camera support solution for DV, DVCAM, HVX, and HDV camcorders. Features include 7-step counterbalance, fixed drag, quick-release plate, and illuminated bubble level. View detailed specifications, kit options, and recommended accessories.</p> |
|  | <p><u>E-IMAGE EJ-160 Fresnel Studio LED Light User Manual</u></p> <p>User manual for the E-IMAGE EJ-160 Fresnel Studio LED Light, detailing its features, technical specifications, installation procedures, operational settings, DMX protocol, and troubleshooting guide.</p> |
|  | <p><u>E-IMAGE AT7602A 100mm Video Tripod - Specifications and Features</u></p> <p>Explore the E-IMAGE AT7602A 100mm Video Tripod, a robust aluminum tripod designed for professional videography, featuring a 60kg payload capacity, ergonomic controls, and enhanced stability.</p> |
|  | <p><u>E-IMAGE MH22 100mm Fluid Head: Professional Camera Support</u></p> <p>Discover the E-IMAGE MH22 100mm Fluid Head from the MOTUS LINE, offering continuous stepless counterbalance, precise drag control, and advanced safety features for professional camera setups. Learn about its specifications and capabilities.</p> |
|  | <p><u>E-IMAGE GH06F Flat Base Fluid Head - Specifications and Features</u></p> <p>Detailed overview of the E-IMAGE GH06F Flat Base Fluid Head, including its features, specifications, counterbalance graph, and compatible tripod systems and accessories.</p> |



[E-IMAGE LCS-04 C-Stand Kit Specifications and Features](#)

Detailed information on the E-IMAGE LCS-04 C-Stand Kit, including its specifications, features, and dimensions. This kit is designed for professional photography and videography.