

Motorola 89867N

Motorola MotoMods Hasselblad True Zoom Camera

Model: 89867N

User Instruction Manual

1. INTRODUCTION

The Motorola MotoMods Hasselblad True Zoom Camera is an innovative accessory designed to enhance your smartphone's photographic capabilities. This Moto Mod seamlessly attaches to compatible Moto Z series phones, transforming your device into a powerful camera with advanced features.

Key features include:

- **10x Optical Zoom:** Capture distant subjects with clarity and detail, far beyond what a standard smartphone camera can achieve.
- **Xenon Flash:** Provides powerful, natural-looking illumination for low-light photography, superior to typical LED flashes.
- **Physical Shutter and Zoom Controls:** Enjoy a tactile and intuitive shooting experience with dedicated buttons for shutter release and zoom adjustment.
- **Easy Sharing and Backup:** Seamlessly integrate with your smartphone's existing photo gallery and sharing options.
- **RAW Format Shooting:** For advanced users, capture images in RAW format (DNG) to retain maximum image data for post-processing.

2. PRODUCT OVERVIEW

Familiarize yourself with the components of your Hasselblad True Zoom Camera.





Figure 2.1: Front view of the Hasselblad True Zoom Camera, highlighting the prominent lens and flash unit.





Figure 2.2: Angled view, illustrating the textured grip and the placement of the physical controls.





Figure 2.3: Side profile, demonstrating how the camera module integrates with the smartphone.

What's in the Box:

- Hasselblad True Zoom Camera

3. SETUP

Attaching the Moto Mod:

1. Ensure your Moto Z series smartphone is clean and free of debris on its back surface.
2. Align the Hasselblad True Zoom Camera with the magnetic connectors on the back of your Moto Z phone.
3. Gently snap the Moto Mod into place. The strong magnets will secure it firmly. You should feel a slight click and the phone may vibrate or display a notification indicating the Mod is connected.

Initial Power-On:

Once attached, the Hasselblad True Zoom Camera draws power directly from your Moto Z phone. There is no separate power button for the Mod itself. The camera will automatically activate when you open the camera application on your smartphone.

Ensure your smartphone has sufficient battery charge, as the camera module will utilize the phone's power during operation.

4. OPERATING THE CAMERA

Taking Photos:

1. **Activate Camera:** Open the default camera application on your Moto Z smartphone. The Hasselblad True Zoom lens will extend, indicating it is ready for use.
2. **Focus:** The camera features autofocus. Tap on the screen to set a specific focus point if needed.
3. **Capture Image:** Press the dedicated physical shutter button on the Moto Mod to take a photo. A half-press may

initiate autofocus, and a full press will capture the image.

Using Optical Zoom:

The Hasselblad True Zoom features a 10x optical zoom. Use the physical zoom rocker or lever on the Moto Mod to adjust the focal length. Zooming in optically maintains image quality, unlike digital zoom.

Using Digital Zoom (up to 40x):

After reaching the maximum 10x optical zoom, the camera app may allow for additional digital zoom, extending up to 40x. To enable this, swipe right on the viewfinder within the camera app and look for a setting labeled "Use Digital Zoom". Please note that digital zoom interpolates pixels and will result in a reduction of image quality compared to optical zoom.

Xenon Flash:

The powerful Xenon flash provides bright, even illumination. The flash settings can be controlled through the camera application on your smartphone (Auto, On, Off, Red-eye reduction).

Shooting in RAW Format:

For maximum flexibility in post-processing, the camera supports shooting in RAW (DNG) format. This option can typically be found in the camera app's settings. RAW files are larger and require specialized software for editing, but they retain more image data than standard JPEG files.

Video Recording:

The Hasselblad True Zoom Camera also supports video recording. Select the video mode within your smartphone's camera app. The optical zoom and Xenon flash can be utilized during video capture.

5. MAINTENANCE

Cleaning:

- **Lens:** Use a soft, lint-free microfiber cloth specifically designed for camera lenses. For stubborn smudges, a small amount of lens cleaning solution can be applied to the cloth (never directly to the lens).
- **Body:** Wipe the camera body with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.
- **Connectors:** Keep the magnetic connectors on both the Moto Mod and your phone clean and dry to ensure proper connection.

Storage:

When not in use, store the Hasselblad True Zoom Camera in a cool, dry place, away from direct sunlight and extreme temperatures. It is recommended to use the protective case that often accompanies the product to prevent scratches and dust accumulation.

6. TROUBLESHOOTING

Common Issues and Solutions:

- **Camera Not Connecting/Recognized:**
 - Ensure the Moto Mod is properly aligned and securely attached to your phone.
 - Clean the magnetic connectors on both the Mod and the phone.
 - Restart your smartphone.
 - Check for any available software updates for your phone and the camera app.

• **Excessive Battery Drain:**

- The optical zoom and Xenon flash consume more power than the phone's built-in camera. This is normal.
- Reduce usage time or carry a portable power bank for extended shooting sessions.
- Ensure no other power-intensive apps are running in the background.

• **Zoom Control Feels Fast/Sensitive:**

- Practice using the zoom rocker with gentle, precise movements.
- Check camera app settings for any zoom speed adjustments, if available.

• **Image Quality Issues:**

- Ensure the lens is clean and free of smudges.
- Avoid using digital zoom excessively, as it can degrade image quality.
- Ensure adequate lighting for your shots, especially when not using the flash.

7. SPECIFICATIONS

Feature	Specification
Model Name	Hasselblad True Zoom Camera
Item Model Number	89867N
Product Dimensions (L x W x H)	2.91 x 0.43 x 6.06 inches
Item Weight	4.4 ounces (0.28 Pounds)
Optical Zoom	10x
Flash Type	Xenon flash
File Format (Still)	JPG, DNG (RAW)
File Format (Video)	MPEG4
Minimum Shutter Speed	1 Seconds
Connectivity Technologies	USB (via Moto Mod connection)
Wireless Communication	Wi-Fi (via connected phone)
Color	Black
Manufacturer	Motorola
Date First Available	September 15, 2016

8. WARRANTY AND SUPPORT

For detailed warranty information regarding your Motorola MotoMods Hasselblad True Zoom Camera, please refer to the warranty card included with your purchase or visit the official Motorola support website.

For technical support, troubleshooting assistance beyond this manual, or to inquire about service, please contact Motorola customer support or visit their official website:

Visit the Official Motorola Store

Please have your product model number (89867N) and purchase information ready when contacting support.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question