

FREEWELL FW-OP3-BRG-

Freewell Bright Day QuickSwap ND/PL Hybrid Filter Kit for Osmo Pocket 3

Model: FW-OP3-BRG-

1. INTRODUCTION

This manual provides essential information for the proper use and maintenance of your Freewell Bright Day QuickSwap ND/PL Hybrid Filter Kit for the Osmo Pocket 3. This kit is designed to enhance your videography and photography by offering precise control over light and reflections, ensuring vibrant colors and sharp details in various lighting conditions.

2. PRODUCT FEATURES

- **Effortless QuickSwap Installation:** Magnetic design allows for quick and secure attachment/detachment without screwing or unscrewing.
- **ND/PL Hybrid Functionality:** Combines Neutral Density (ND) for exposure control and Polarizer (PL) for reducing glare and enhancing color saturation.
- **Gimbal Compatibility:** Lightweight design ensures seamless operation with the Osmo Pocket 3 gimbal, maintaining smooth and stable footage.
- **Durable Multi-Coating:** Filters feature a color-neutral coating that provides resistance against dust, scratches, oil, and water, preserving natural colors.
- **Bright Day Kit Filters:** Includes ND8/PL, ND16/PL, ND32/PL, and ND64/PL filters, suitable for various bright daylight scenarios.

3. PACKAGE CONTENTS

- 1x ND8/PL Hybrid Filter
- 1x ND16/PL Hybrid Filter
- 1x ND32/PL Hybrid Filter
- 1x ND64/PL Hybrid Filter
- 1x Protective Storage Case
- 1x Cleaning Cloth

IN THE BOX

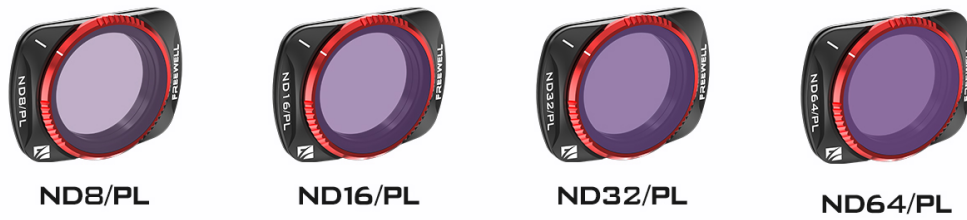


Figure 1: The Freewell Bright Day Kit includes four ND/PL filters, each designed for specific light reduction and polarization needs.

4. SETUP AND INSTALLATION

1. Ensure your Osmo Pocket 3 is powered off or the gimbal is locked to prevent accidental movement during installation.
2. Select the appropriate ND/PL filter (ND8/PL, ND16/PL, ND32/PL, or ND64/PL) based on your lighting conditions.
3. Gently align the chosen filter with the lens of your Osmo Pocket 3. The magnetic QuickSwap system will snap the filter securely into place.
4. To remove, gently pull the filter away from the lens.



Figure 2: A Freewell ND/PL filter magnetically attached to the Osmo Pocket 3 lens, ready for use.



Figure 3: The Osmo Pocket 3 with an attached filter, displaying resolution and frame rate settings on its screen.

5. OPERATING INSTRUCTIONS

ND/PL hybrid filters serve two primary functions: reducing light (Neutral Density) and managing reflections/enhancing colors (Polarizer). The 'Bright Day Kit' provides filters for various bright light scenarios.

- **ND (Neutral Density) Function:** Reduces the amount of light entering the camera sensor, allowing you to use slower shutter speeds or wider apertures in bright conditions. This is crucial for achieving cinematic motion blur in videos and preventing overexposure.
- **PL (Polarizer) Function:** Rotates to reduce glare from non-metallic surfaces like water or glass, and enhances color saturation, making skies bluer and foliage greener. Adjust the filter by gently rotating it while attached to achieve the desired polarization effect.
- **Filter Selection:**
 - **ND8/PL:** Ideal for cloudy to slightly bright days.
 - **ND16/PL:** Suitable for normal bright days.
 - **ND32/PL:** Best for very bright, sunny conditions.
 - **ND64/PL:** For extremely bright conditions, such as snow or beach scenes.

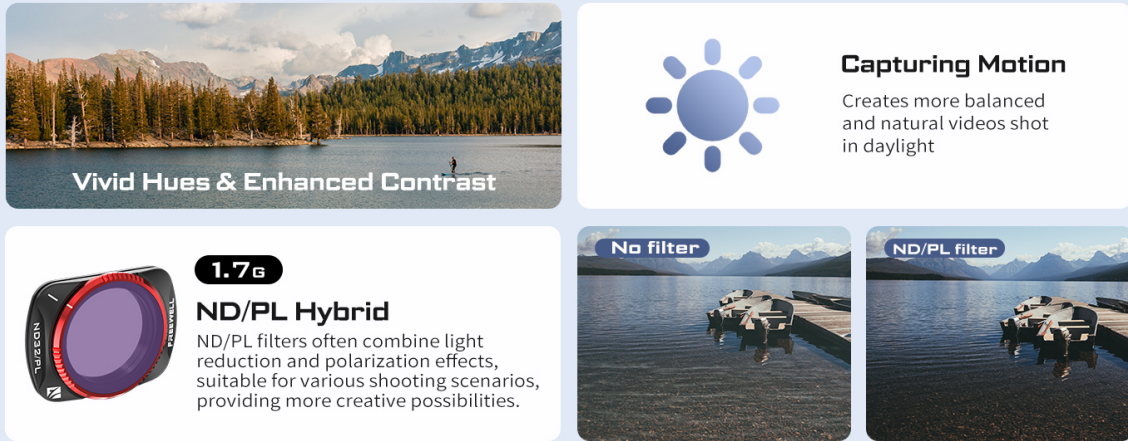


Figure 4: Visual demonstration of how ND/PL filters enhance vivid hues and contrast in outdoor scenes.

Understanding ND/PL Filters

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Video 1: This video explains the concept of 'white line' in ND/PL filters, providing insight into their functionality and potential visual effects.

6. MAINTENANCE

- **Cleaning:** Use the provided cleaning cloth to gently wipe the filter surfaces. For stubborn smudges, a specialized lens cleaning solution can be used with the cloth. Avoid abrasive materials.
- **Storage:** Always store the filters in their protective case when not in use to prevent dust, scratches, and damage.
- **Handling:** Handle filters by their edges to avoid leaving fingerprints on the optical surfaces.

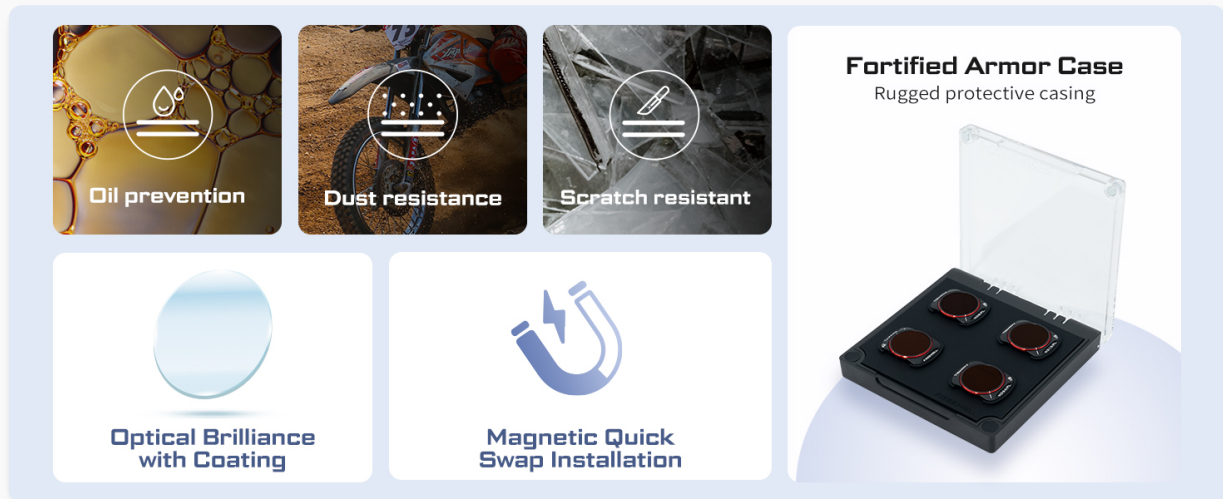


Figure 5: The multi-coated design of Freewell filters offers enhanced durability and protection against environmental elements.

7. TROUBLESHOOTING

- **Filter not attaching securely:** Ensure the lens surface of the Osmo Pocket 3 is clean and free of debris. Check for any obstructions on the filter's magnetic ring.
- **Image appears too dark/bright:** Adjust your camera's exposure settings (ISO, shutter speed) or select a different ND/PL filter with a higher or lower ND value to match the ambient light.
- **Unwanted reflections or glare:** Gently rotate the ND/PL filter while observing the Osmo Pocket 3's screen

to find the optimal angle for reflection reduction.

8. SPECIFICATIONS

Attribute	Value
Brand	FREEWELL
Model Number	FW-OP3-BRG-
Material	Optical Glass
Coating Description	Multi Coating
Photo Filter Effect Type	Neutral Density
Photo Filter Factor	ND8/PL, ND16/PL, ND32/PL, ND64/PL
Number of Pieces	4
Item Weight	2.82 ounces
Package Dimensions	3.07 x 3.07 x 0.94 inches

9. WARRANTY AND SUPPORT

Freewell products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please refer to the official Freewell website or contact their customer service directly. Please retain your proof of purchase for any warranty claims.