

DNT Optics NVMD-C200 QDF170

DNT Optics NVMD-C200 QDF170 Night Vision Multi-Purpose Device Instruction Manual

Model: NVMD-C200 with QDF170 Mount

Brand: DNT Optics

INTRODUCTION

The DNT Optics NVMD-C200 QDF170 is a versatile night vision multi-purpose device designed for various applications, including use as a red dot magnifier, standalone scope, clip-on attachment, and action camera. This manual provides essential information for the proper setup, operation, and maintenance of your device.

- **Flip-to-side Quick Detach Mount:** Engineered specifically for the NVMD scope, the QDF170 unlocks its full potential. With a 1.7" height from rail to optic centerline, the QDF170 is optimized for pairing the NVMD scope with red dot sights. This instant detach mount also enables the NVMD's unique Flip-to-side Action Camera and Flip-initiated Standby functions, enhancing versatility and user experience while maintaining zero with every use.
- **Swift Detach, Solid Performance:** With a modern design and cantilever structure, this precision detach system offers flexible eye relief and a customized fit. Tool-less adjustment with a single thumbscrew ensures quick setup, while the secure locking latch keeps your optic firmly in place. When it's time to detach, simply press the latch and flip the lever for a fast, smooth transition.
- **Rugged Durability Meets Elegant Design:** Machined from a single block of 6063 aircraft-grade aluminum, the QDF170 delivers exceptional strength and stability. Its hard-anodized matte black finish resists scratches and corrosion, offering a sleek, professional look built to last. Tough and stylish, this quick detach mount for red dot performs flawlessly in any environment.

SETUP

Proper setup ensures optimal performance and longevity of your DNT Optics NVMD-C200 QDF170 device. Follow these steps for initial preparation and mounting.

1. Device Overview

Familiarize yourself with the main components of your NVMD-C200 device.



Image: Front view of the DNT Optics NVMD-C200 Night Vision Multi-Purpose Device, showcasing the objective lens and control buttons.



Image: Side view of the DNT Optics NVMD-C200, highlighting the battery compartment and mounting points.



Image: Rear view of the DNT Optics NVMD-C200, showing the eyepiece and focus ring.

2. Attaching the QDF170 Quick Detach Mount

The QDF170 mount is designed for quick attachment and detachment while maintaining zero. Ensure the mount is securely fastened to your device before attaching it to a rail.



Image: The DNT Optics QDF170 Quick Detach Mount, showing its robust construction and lever mechanism.



Image: Top view of the QDF170 mount, indicating the screw fastening points for secure attachment to the NVMD-C200.



Image: Side profile of the QDF170 mount, illustrating its cantilever design for flexible eye relief.



Image: Side view of the QDF170 mount with the quick-detach lever in the engaged position, ready for rail attachment.

3. Mounting Instructions Video

For a visual guide on how to properly use the QDF170 Flip-to-Side Quick Detach Mount, please refer to the video below:

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Video: Demonstrates the correct procedure for attaching and detaching the QDF170 Flip-to-Side Quick Detach Mount to a firearm rail, ensuring secure fit and functionality.

OPERATING THE DEVICE

The NVMD-C200 QDF170 offers multiple operating modes and customizable settings to enhance your night vision experience.

1. Handheld Monocular Mode

The device can be used as a standalone handheld monocular for observation. This mode is ideal for scouting or general night vision use without being mounted to a firearm.

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Video: Shows the DNT Optics Hydra (similar to NVMD-C200) being used as a handheld thermal monocular, demonstrating its portability and ease of use for observation.

2. Reticle Settings

Customize your reticle for different scenarios. The device offers various reticle patterns and color options.

- Access the menu to select from multiple FFP (First Focal Plane) and SFP (Second Focal Plane) reticle designs.
- Choose between red, green, yellow, black, or white reticle colors for optimal visibility against varying backgrounds.
- Option to hide the reticle for monocular use.

3. Picture-in-Picture (PIP) Function

Utilize the Picture-in-Picture feature to maintain a wide field of view while simultaneously having a magnified view of your target. The PIP window can be positioned on the left, center, or right of the screen.

4. Image Super Resolution

Enhance image clarity and detail with the Image Super Resolution feature. This setting can be toggled on or off to suit your viewing preferences.

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Video: Illustrates the Image Super Resolution feature of the DNT Optics Hydra-2, demonstrating how it improves image detail and clarity for enhanced observation.

MAINTENANCE

Regular maintenance will ensure the longevity and optimal performance of your NVMD-C200 QDF170 device.

- **Cleaning:** Use a soft, lint-free cloth to clean the lenses. For stubborn smudges, use a lens cleaning solution specifically designed for optics. Avoid abrasive materials or harsh chemicals.
- **Storage:** Store the device in its protective case in a cool, dry place away from direct sunlight and extreme temperatures. Remove batteries if storing for extended periods.
- **Battery Care:** Use only recommended rechargeable batteries. Ensure batteries are fully charged before use and properly disposed of when depleted.

TROUBLESHOOTING

If you encounter issues with your device, refer to the common troubleshooting steps below. For persistent problems, contact DNT Optics customer support.

- **Device not powering on:** Ensure batteries are fully charged and correctly inserted. Check for any corrosion on battery terminals.
- **Poor image quality:** Clean the objective and eyepiece lenses. Adjust the focus and diopter settings. Check ambient light conditions; extreme conditions may affect performance.
- **Mount not securing:** Ensure the quick-detach lever is fully engaged. Check for any obstructions or debris on the rail or mount.
- **Reticle not visible:** Check reticle settings in the menu to ensure it is not hidden and the color contrast is appropriate for the background.

SPECIFICATIONS

Feature	Detail
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Brand	DNT Optics
Model Name	QDF170
Color	Black
Style	QDF170
Material	Aluminum (6063 aircraft-grade)
Compatible Devices	Rifle
Mounting Type	Quick Detach
Night Vision	No (This specification refers to the QDF170 mount itself, not the NVMD-C200 device it supports)
Item Package Dimensions L x W x H	3.86 x 1.91 x 1.22 inches
Package Weight	4.64 ounces
Item Dimensions L x W x H	3.86 x 1.91 x 1.22 inches
Suggested Users	unisex-adult
Date First Available	September 10, 2025

WARRANTY AND SUPPORT

DNT Optics stands behind the quality of its products. For warranty information, product registration, or technical support, please visit the official DNT Optics website or contact their customer service department. Keep your purchase receipt as proof of purchase for any warranty claims.