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HOLOSUN DRS-NV

Holosun Digital Night Vision & Reflex Fusion Sight (DRS-NV) User Manual

Model: DRS-NV | Brand: HOLOSUN

Introduction

The Holosun DRS-NV is an advanced Digital Night Vision & Reflex Fusion Sight designed to provide superior optical performance in various lighting conditions. It combines traditional red dot sight technology with digital night vision capabilities, offering enhanced target visibility and situational awareness. Key features include an 8X digital zoom, a high-resolution 1024x768 digital night vision sensor with 60 frames per second (FPS) refresh rate, a versatile Multi-Reticle System, and integrated internal video recording with on-board storage. This manual provides detailed instructions for the proper setup, operation, maintenance, and troubleshooting of your DRS-NV sight.

Safety Information

Please read and understand all safety warnings and instructions before using the Holosun DRS-NV sight. Failure to follow these guidelines may result in injury or damage to the device.

- Always ensure the firearm is unloaded and safe before mounting or adjusting the sight.
- Do not look directly into the sun or any intense light source through the sight, as this may cause permanent eye damage.
- Keep the device away from extreme temperatures, direct sunlight for prolonged periods, and corrosive materials.
- Do not attempt to disassemble or modify the sight. This will void the warranty and may cause damage.
- Use only the specified battery type and ensure correct polarity during installation.
- Dispose of batteries according to local regulations.

Package Contents

Verify that all items are present in your Holosun DRS-NV package:

- Holosun DRS-NV Digital Night Vision & Reflex Fusion Sight
- USB Charging Cable
- Lens Cloth
- User Manual
- Mounting Tool

Product Overview

Components



This image shows the Holosun DRS-NV sight from an angled front perspective, highlighting its compact design and the main reflex lens.



A top-down view of the DRS-NV, illustrating the arrangement of the control buttons for various functions such as power, zoom, and menu navigation.



This view provides a clear look at the side of the DRS-NV, including the model designation and the windage and elevation adjustment dials.

Controls and Indicators

Control/Indicator	Function
Power Button	Press and hold to power ON/OFF. Short press to switch modes.
Zoom Buttons (+/-)	Adjust digital zoom level.
Menu/OK Button	Access menu, confirm selections.
Reticle Adjustment Dials	Adjust windage and elevation for zeroing.
USB Port	For charging and data transfer.
Battery Compartment	Houses the rechargeable battery.

Setup

Battery Installation and Charging

1. Locate the battery compartment on the device.
2. Open the compartment cover and insert the battery, ensuring correct polarity as indicated.
3. Close the battery compartment cover securely.
4. Connect the USB charging cable to the sight's USB port and to a power source (e.g., USB wall adapter, computer). The charging indicator will illuminate.
5. Charge the device fully before first use.

Mounting the Sight

The DRS-NV is designed for Weaver Mount systems.

1. Ensure the firearm is unloaded and pointed in a safe direction.
2. Align the sight's mounting base with the Weaver rail on your firearm.
3. Secure the sight to the rail using the provided mounting tool, tightening the screws evenly until snug. Do not overtighten.
4. Verify that the sight is firmly attached and does not wobble.

Operation

Power On/Off

- To power ON: Press and hold the Power button for approximately 2 seconds.
- To power OFF: Press and hold the Power button for approximately 3 seconds until the display shuts down.

Mode Selection (Day/Night Vision)

Short press the Power button to toggle between Day mode (reflex sight) and Night Vision mode.

Reticle Adjustment and Selection

- The DRS-NV features a Multi-Reticle System, including a 65 MOA Circle and 2 MOA Dot.
- To change reticle: Refer to the on-screen menu by pressing the Menu/OK button, then navigate to the reticle settings.
- For zeroing: Use the windage (R) and elevation (U) adjustment dials. Each click corresponds to a specific MOA adjustment. Consult the manual's specifications for click values.

Digital Zoom

In Night Vision mode, use the '+' and '-' buttons to adjust the digital zoom up to 8X. The current zoom level will be displayed on the screen.

Internal Video Recording

- To start recording: Press the designated Record button (refer to the device's control layout for exact button).
- To stop recording: Press the Record button again.
- Recorded videos are stored on the internal memory. Connect the device to a computer via USB to transfer files.

Maintenance

Cleaning

- Use the provided lens cloth or a soft, lint-free cloth to clean the lenses. Avoid abrasive materials.
- For stubborn dirt, a small amount of lens cleaning solution can be applied to the cloth, not directly to the lens.
- Wipe the body of the sight with a damp cloth. Do not use harsh chemicals or solvents.

Storage

- Store the sight in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for extended periods, remove the battery to prevent leakage.
- Keep the lens caps on when not in use to protect the lenses.

Troubleshooting

Problem	Possible Cause	Solution
Device does not power on	Low battery; Incorrect battery installation; Device malfunction	Charge battery; Reinstall battery with correct polarity; Contact customer support
Poor image quality in Night Vision mode	Insufficient ambient light; Dirty lens; Incorrect settings	Ensure adequate IR illumination; Clean lens; Adjust brightness/contrast settings
Buttons unresponsive	Software glitch; Low battery	Reboot device; Charge battery
Cannot record video	Full internal memory; Software error	Transfer files to clear space; Reboot device

Specifications

Feature	Detail
Model Name	DRS-NV
Digital Night Vision Sensor Resolution	1024x768
Frame Rate	60 FPS
Digital Zoom	Up to 8x
Reticle Type	65 MOA Circle with 2 MOA Dot
Material	Aluminum
Mounting Type	Weaver Mount
Item Weight	15.36 ounces
Field Of View	200 Degrees
Internal Video Recording	Yes

Warranty and Support

Warranty Information

The Holosun DRS-NV is covered by a 2-Year Manufacturer's Warranty. This warranty covers defects in materials and

workmanship under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by misuse, unauthorized modification, or improper installation.

Customer Support

For technical assistance, warranty claims, or any questions regarding your Holosun DRS-NV sight, please visit the official Holosun website or contact their customer service department. Refer to the packaging or official website for the most current contact information.

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