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> Nikon ACULON A211 12x50 Binocular Instruction Manual

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Model: ACULON A211 12x50

1. INTRODUCTION

This manual provides instructions for the proper use and care of your Nikon ACULON A211 12x50 Binocular. Designed for versatility and performance, these binoculars offer clear viewing for various outdoor activities.

Key features include:

- Lightweight and ergonomic design for comfortable handling.
- Turn-and-Slide Rubber Eyecups for adjustable eye relief.
- Aspherical Multicoated Eco-Glass Lenses for bright, clear images.
- Smooth central focus knob for easy operation.
- Durable rubber-armored coating for a secure, non-slip grip.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- Nikon ACULON A211 12x50 Binocular
- Neck Strap
- Objective Lens Caps
- Eyepiece Caps (Rain Guard)
- Soft Carrying Case
- Instruction Manual (this document)

3. PARTS DIAGRAM

Familiarize yourself with the different parts of your binocular:



Image 1: Front view of the Nikon ACULON A211 12x50 Binocular. This image displays the objective lenses, the central focus knob, the diopter adjustment ring on the right eyepiece, and the rubber-armored body.

1. **Objective Lenses:** The large lenses at the front of the binocular that gather light.
2. **Eyecups:** Adjustable rubber cups around the eyepieces for comfortable viewing.
3. **Eyepieces:** The lenses you look through.
4. **Central Focus Knob:** Used to adjust the focus for both eyes simultaneously.
5. **Diopter Adjustment Ring:** Located on the right eyepiece, used to compensate for differences in vision between your left and right eyes.
6. **Binocular Body:** The main housing, typically covered with a rubber armor for grip and protection.
7. **Strap Lugs:** Attachment points for the neck strap.
8. **Tripod Adapter Socket:** A threaded socket, usually under a cap at the front hinge, for mounting the binocular on a tripod (adapter sold separately).

4. SETUP

4.1 Attaching the Neck Strap

Thread the neck strap through the strap lugs on each side of the binocular. Ensure it is securely fastened to prevent accidental drops.

4.2 Adjusting Eyecups

The ACULON A211 features turn-and-slide rubber eyecups. Rotate the eyecups up or down to achieve the optimal eye relief. If you wear eyeglasses, keep the eyecups fully retracted. If you do not wear eyeglasses, extend the eyecups to a comfortable position that allows you to see the full field of view without vignetting (darkening at the edges).

4.3 Adjusting Interpupillary Distance

Hold the binocular with both hands and look through the eyepieces. Adjust the distance between the two barrels by moving them closer together or further apart until you see a single, circular field of view. This is your interpupillary distance.

5. OPERATING THE BINOCULAR

5.1 Focusing

1. **Step 1:** Close your right eye or cover the right objective lens.
2. **Step 2:** Look through the left eyepiece with your left eye and rotate the central focus knob until the image is sharp.
3. **Step 3:** Close your left eye or cover the left objective lens.
4. **Step 4:** Look through the right eyepiece with your right eye and rotate the diopter adjustment ring (on the right eyepiece) until the image is sharp. **Do not use the central focus knob for this step.**
5. **Step 5:** With both eyes open, the binocular is now adjusted for your vision. For subsequent focusing on different distances, only use the central focus knob.

5.2 Tripod Mounting (Optional)

For extended viewing or to achieve a steadier image, especially with 12x magnification, the ACULON A211 can be mounted on a tripod. Locate the threaded socket under a cap at the front hinge of the binocular. Remove the cap and attach a compatible tripod adapter (sold separately), then mount it onto a standard photographic tripod.

6. MAINTENANCE AND CARE

- **Cleaning Lenses:** Use a soft, clean lens cloth or a lens brush to remove dust. For smudges, use a lens cleaning fluid specifically designed for optics and a clean lens cloth. Avoid using abrasive materials or excessive force.
- **Cleaning Body:** Wipe the rubber-armored body with a soft, damp cloth. Do not use harsh chemicals or solvents.
- **Storage:** Store the binocular in its carrying case in a cool, dry place when not in use. Avoid extreme temperatures and high humidity.
- **Protection:** Always use the objective lens caps and eyepiece caps to protect the lenses from dust and scratches.

7. TROUBLESHOOTING

- **Image is blurry:** Ensure both the central focus knob and the diopter adjustment ring are correctly set for your vision. Re-perform the focusing steps in Section 5.1.
- **Cannot achieve a single circular image:** Adjust the interpupillary distance by moving the binocular barrels closer or further apart until the two fields of view merge into one.
- **Diopter adjustment ring is stiff:** While some resistance is normal to maintain setting, if the ring is excessively stiff or stuck, do not force it. Contact Nikon customer support for assistance.
- **Darkening at the edges of the view (vignetting):** Adjust the eyecups to ensure proper eye relief.

8. SPECIFICATIONS

Feature	Specification
Brand	Nikon
Model Number	8249
Magnification	12x
Objective Lens Diameter	50mm
Product Dimensions	8.58 x 4.25 x 4.25 inches
Item Weight	2.86 pounds
Special Feature	Lightweight
Lens Coating	Multilayer coating
Prism Type	Porro prism

9. WARRANTY AND SUPPORT

For warranty information, product registration, or technical support, please refer to the official Nikon website or contact Nikon customer service directly. Keep your proof of purchase for warranty claims.
Nikon USA Website: www.nikonusa.com