

# Canon

## BINOCULARS

# 10×42 LIS WP



## IMAGE STABILIZER

ENG  
Instructions

# Thank you for purchasing a Canon product.

Canon 10×42L IS WP high-performance, waterproof binoculars featuring an Image Stabilizer with a Canon-developed vari-angle prism. Before using the binoculars, read this instruction booklet to familiarize yourself with the proper operation.

## Features

- High-performance, waterproof binoculars for a wide range of uses from bird watching to heavenly observations.
  - A steady image can be obtained with the Image Stabilizer.
  - The objective lenses have rubber protectors for excellent shock resistance.
  - The large-diameter, 42mm objective lenses make the image very bright.
  - A total of four UD lenses - two on each side, full surface Multilayer Coating (Super Spectra Coating), and Doublet Field-Flattener for sharp, distortion-free images from edge-to-edge.
  - Dioptic correction & fixation mechanism prevents unexpected diopter misalignment.
  - Freely adjustable eyecups.
  - Perfectly sealed structure prevents internal lenses from fogging up.
- \* UD lenses are made of Ultra-low Dispersion glass.

## Conventions used in this instruction



Warning to prevent malfunction or damage to the binoculars.



Supplementary hints for using the binoculars.

## Accessories

The binoculars come with the following accessories:

- Case (with pocket for extra batteries) ..... 1
- Binocular strap ..... 1
- Case strap ..... 1
- Objective lens caps ..... 1
- Eyepiece lens caps ..... 1
- Size-AA alkaline batteries ..... 2
- Strings (for objective lens caps) ..... 1

# Handling Cautions

## For the Binoculars

- (1) The binoculars are waterproof, however they are not for underwater use.
- (2) Binoculars are precision instruments. Do not drop them or subject them to shock. Never attempt to disassemble them.
- (3) High temperatures can cause the binoculars to malfunction. Do not store them close to a heater or in a closed car on a sunny day.
- (4) If the lens is dirty, first use a blower brush to remove dust, etc., from the lens surface. Then use a commercially available lens cleaner or similar material to wipe the lens gently without scratching it. Do not use any organic solvent on the body or lenses.
- (5) Storing the binoculars in a humid location may cause fungus on the lenses. If the binoculars are not to be used for an extended period, clean the lenses and body thoroughly and store in a well-ventilated dry place.
- (6) Avoid storing the binoculars in a laboratory or a location where corrosive chemicals are present. Also avoid storage in a chest of drawers.
- (7) When the binoculars are not to be used for a prolonged period, remove the batteries. If the batteries are left inside, they may leak, causing corrosion, malfunction or fire.

## Battery Care

- (1) When the battery power is low, the lamp will not light even when you press the Image Stabilizer button. Replace both batteries in such a case.
- (2) If the lamp lights but the Image Stabilizer does not operate properly, it means the battery power is low. Replace both batteries in such a case.
- (3) In cold temperatures, using size-AA lithium batteries is recommended.
- (4) Although lithium batteries work well in low temperature, their performance will drop slightly in temperatures below 0 degrees C. In cold locations, keep a spare set of batteries in a warm pocket and alternate them with the batteries in use.

\* **WP**: Waterproof binoculars.

### Safety Warnings

Never look at the sun or a bright light with the binoculars. Doing so can cause loss of vision.

### Safety Precautions

1. Never attempt to disassemble the batteries. Never recharge any batteries other than rechargeable batteries. Do not leave batteries in a hot place or throw them into a fire. Do not short-circuit the contacts. Doing any of the above may result in fire or explosion causing injuries.
2. You should never mix different types of batteries. When changing exhausted batteries, replace them all at once.

All Canon Binoculars are composed only of "Environment Friendly Lead-Free Optical Glass". The design is derived from Canon's corporate policy to care about our environment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Do not make any changes or modifications to the equipment unless otherwise specified in the instructions. If such changes or modifications should be made, you could be required to stop operation of the equipment.

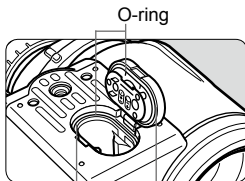
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

CAN ICES-3 (B) / NMB-3 (B)

# Maintaining Waterproof Property

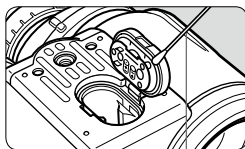
The binoculars are waterproof. To make full use of this performance, make sure to check the O-ring in the battery chamber and the contact surface. If you close the battery chamber cover when it is covered with sand, hair or other materials, the waterproof property will be lost, allowing water to enter, resulting in malfunction.



## 1 Check the O-ring.

- Make sure that the O-ring and the contact surface are not distorted or covered with dust.

Contact surface



## 2 Clean the O-ring.

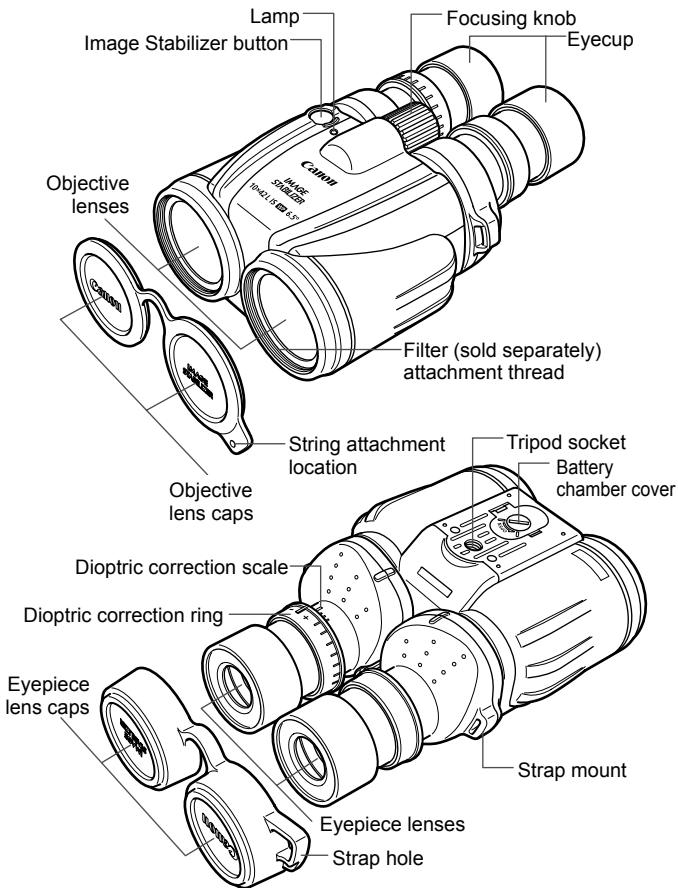
- If there is dust on the O-ring and the contact surface, use a damp cotton swab or similar material to remove the dust.

Cotton swab  
(commercial product)



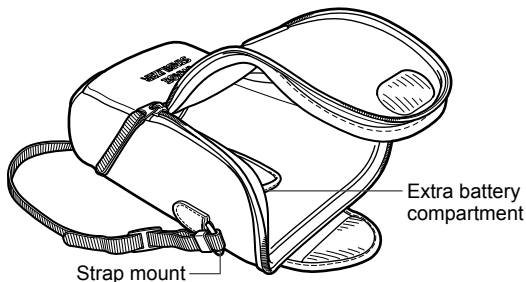
- Do not forcefully pull or extend the O-ring.
- The O-ring is specially treated. Be careful not to apply grease or allow oil to accidentally come into contact with it.
- Do not remove the O-ring. That may result in scratching the surface, allowing water to enter.
- If the O-ring is broken, cut or distorted, or if more than two years have passed since you purchased the binoculars, bring them to a Canon Service Center to have the O-ring replaced. It is recommended to replace the O-ring every two years (for a fee).
- If you use the binoculars in a sandy or dusty environment, it is recommended to replace the O-ring every year.

# Nomenclature



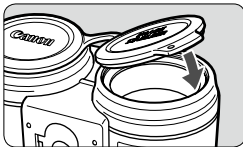
The 52mm filter (sold separately) can be attached to the filter attachment thread.

## Case



Attach the case strap included in the package to the case.

## How to Attach Lens Caps



## Attaching Objective Lens Caps

- Attach them by pushing them against the filter attachment thread.



## Attaching Eyepiece Lens Caps

- Attach them over the eyecups.

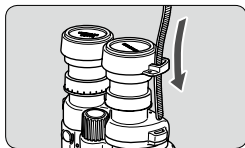


The eyepiece lens caps and the objective lens caps can be placed on top of each other when they are not being used. Push the objective lens caps against the eyepiece lens caps.



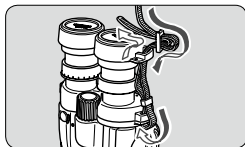
# Installing the Strap

The strap is designed to hang on the neck in a specific direction. Install the strap in a manner so that the Canon logo at the center of the strap appears as in the illustration when the strap is hanging from the neck.



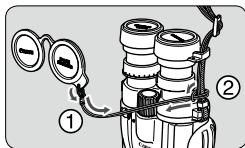
## 1 Install the eyepiece lens caps.

- Install the eyepiece lens caps on the binoculars.
- Put the strap through the strap hole in the eyepiece lens caps.



## 2 Fasten the strap.

- Make sure that there is no slack and the strap does not loosen at the clasp when you pull it.

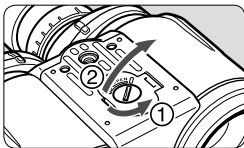


## 3 Connect the objective lens caps.

- Use the string included in the package to connect the objective lens caps to the strap.

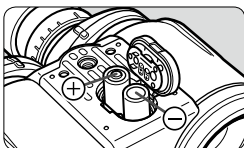


# Loading the Batteries



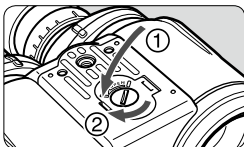
## 1 Open the cover.

- Use a coin or a similar item to turn the lock screw 90 degrees as shown by the arrow. Then open the cover.



## 2 Load the batteries.

- Load two batteries in the correct + and – orientation as shown on the battery cover.



## 3 Close the cover.

- Hold down the battery chamber cover and tighten the lock screw.

## Battery Life (Continuous Use)

	25°C / 77°F	-10°C / 14°F
<b>Size-AA lithium batteries</b>	Apporox. 8 hours	Apporox. 3.5 hours
<b>Size-AA Ni-HN batteries</b>	Apporox. 6 hours	Apporox. 2.5 hours
<b>Size-AA alkaline batteries</b>	Apporox. 2.5 hours	Apporox. 10 minutes

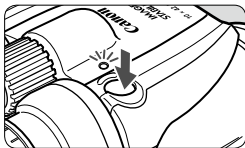
(Based on Canon's testing conditions.)

- Size-AA manganese batteries are not recommended due to their low energy.



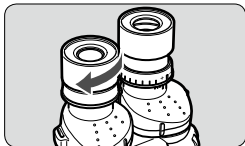
- Change batteries when the binoculars are dry and there is no moisture or dirt.
- Be careful not to let moisture onto the inner side of the battery chamber cover or into the chamber. If there is moisture, make sure to remove it and adequately dry it off before changing batteries.
- Wet batteries may result in battery leakage and failure.

## Before You Start



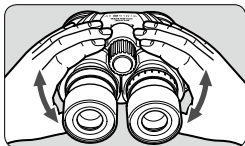
### 1 Check that the lamp lights.

- Press the Image Stabilizer button and check that the lamp lights.



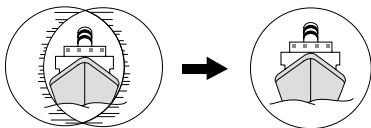
### 2 Adjust the eyecup position.

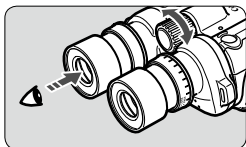
- When using the binoculars while wearing eyeglasses, turn the eyecups to adjust the height for easy viewing.



### 3 Adjust the width of the binoculars.

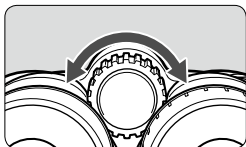
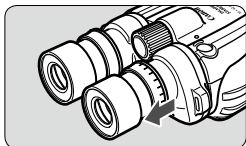
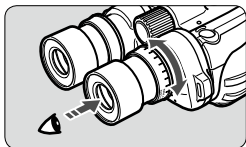
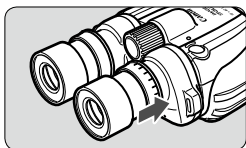
- Look through the binoculars and adjust the angle of the eyepieces until the left and right images converge.
- Doing the above maximizes performance and minimizes eye fatigue while viewing.
- When adjusting the width of the binoculars to suit the width between your eyes, look at a distant object.





#### 4 Adjust the diopter.

- First look with the left eye only and adjust the focusing knob until the object looks sharp.
- Push the dioptic correction ring in the direction shown by the arrow until you hear a click.
- Then look with the right eye only at the same object while turning the dioptic correction ring until the object looks sharp.
- Pull the dioptic correction ring toward you until you hear a click to secure the diopter adjustment.



#### 5 Adjust the focus.

- Look through the eyepiece and turn the focusing knob until the object looks sharp.

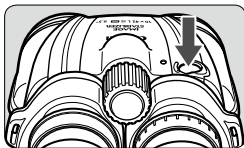


The focusing range is about 2.5m to infinity. There is some margin at the infinity end.

## Using the Image Stabilizer

While you look through the binoculars, the image may be shaking and difficult to see since your hands are holding the binoculars. In such a case, the Image Stabilizer can help steady the image.

There are two ways to use the Image Stabilizer. You can turn on the Image Stabilizer as long as you hold down the Image Stabilizer button and or you can turn on the Image Stabilizer for 5 minutes.



### ■ Holding down the button

The Image Stabilizer operates continuously while you hold down the button. When you let go of the button, the Image Stabilizer stops operating.

### ■ Five-minute operation

Press the Image Stabilizer button slowly and quickly let it go, and the Image Stabilizer will operate continuously for about five minutes.

To stop the Image Stabilizer operation, press the button again.

- The lamp lights while the Image Stabilizer is on.



- The Image Stabilizer may not be able to compensate for severe shaking.
- If the binoculars are attached to a tripod, it will compensate for the small vibrations unique to tripod use.
- If the binoculars face down for more than 10 seconds, such as when they are hanging from the strap, the Image Stabilizer will turn off to conserve power. To use the binoculars in downward direction, keep pressing the Image Stabilizer switch.
- When the battery power is low, the Image Stabilizer may generate noise and vibration. The image stabilization is not affected by this.
- Even without batteries loaded, the binoculars can still be used as is.

## After Use

If there is sand or dirt on the binoculars, wash them with water by following the procedure below.

- **Never operate any functions while washing the binoculars with water. Otherwise water may leak into the binoculars through movable components, resulting in malfunction.**
- **Make sure that the battery chamber cover is closed before washing the binoculars.**
- **Use tap water below 30°C/86°F for washing.**



### 1 Wash with running water.

- Wash dust, dirt, and sand from the surface of the binoculars with tap water at about the same flow as for washing your hands.
- Do not rub the objective and eyepiece lenses if they are still dirty.



### 2 Soak and wash.

- Soak the binoculars in water in a bucket or other container, and gently move them back and forth so that dust, dirt, and sand come off easily.
- If they are covered with salt water, soak the binoculars for one to two hours to remove salt.



### 3 Wipe the binoculars.

- Use a clean, dry, soft cloth to wipe moisture off the binoculars.
- Sometimes moisture remains in gaps between components, so place the binoculars on a dry, soft cloth to dry completely in the shade.
- After the binoculars are completely dry, use commercially available lens cleaner or similar material to clean the lenses.



- Do not wash the binoculars with detergent, hot water, or strongly running water, as that may result in malfunction.
- Do not swing the binoculars in an attempt to shake off water, or use a hair drier or similar item to dry them, or wash them in a washing machine.
- If the binoculars are heavily soiled or large amounts of sand are on the binoculars, consult with a Canon Service Counter.

# Troubleshooting Guide

If there is a problem with the binoculars, first refer to the table below to see if you can resolve it. If the problem cannot be resolved, take the binoculars to your nearest Canon Service Center.

<b>Problem</b>	<b>Probable Cause</b>	<b>Corrective Measure</b>
The image is not clear.	The lens is dirty.	Use a blower brush to remove dust, etc., from the lens surface. Then use a commercially available lens cleaner or similar material to wipe the lens.
	The width of the binoculars does not suit the width between your eyes.	Adjust the width of the binoculars (See page ENG-9).
	The diopter has not been properly set.	Adjust the diopter (See page ENG-10).
	The binoculars are not properly focused.	Focus the binoculars (See page ENG-10).
The Image Stabilizer does not operate.	There are no batteries loaded.	Load batteries having enough power.
	When the Image Stabilizer button is pressed, the lamp does not light.	If the lamp does not light, it means the batteries are exhausted. Replace the batteries with new ones.
	The battery power is low.	Even if the lamp lights, the Image Stabilizer may not operate if the batteries are exhausted. Replace the batteries with new ones.
	The binoculars are facing down.	If the binoculars face down for more than 10 seconds, the Image Stabilizer will turn off to conserve power. To use the binoculars in downward direction, keep pressing the Image Stabilizer switch.
When the binoculars are shaken severely while the Image Stabilizer is operating, there is a strange noise.	The batteries are exhausted.	Replace the batteries with new ones.

# Specifications

	<b>10×42L IS WP</b>
<b>Type</b>	Prism binoculars
<b>Magnification</b>	10×
<b>Objective lens effective diameter</b>	42 mm (52mm filter can also be attached)
<b>Real field of view</b>	6.5°
<b>Apparent field of view / Field of view at 1000 m / yds</b>	59.2° (Calculated based on ISO 14132-1:2002) 114 m / 374 ft
<b>Exit pupil diameter</b>	4.2 mm
<b>Eye relief</b>	16 mm
<b>Pupil-distance adjustment range</b>	57 to 75 mm
<b>Focusing distance range</b>	Approx. 2.5 m to infinity
<b>Image Stabilizer system</b>	Optical correction with vari-angle prism
<b>Correction angle</b>	±0.8°
<b>Battery check</b>	Lamp (LED) turns on
<b>Operating environment</b>	Temperature: -10°C to 45°C / 14°F to 113°F Humidity: 90%
<b>Dimensions (W × D × H)</b>	137 × 175.8 × 85.4 mm / 5.4 × 6.9 × 3.4 in.
<b>Weight</b>	Approx. 1110 g / 39.2 oz (Excluding batteries)

\* Specifications subject to change without notice.

## Only for European Union and EEA (Norway, Iceland and Liechtenstein)



These symbols indicate that this product is not to be disposed of with your household waste, according to the WEEE Directive (2012/19/EU), the Battery Directive (2006/66/EC) and/or national legislation implementing those Directives.

If a chemical symbol is printed beneath the symbol shown above, in accordance with the Battery Directive, this indicates that a heavy metal (Hg = Mercury, Cd = Cadmium, Pb = Lead) is present in this battery or accumulator at a concentration above an applicable threshold specified in the Battery Directive.

This product should be handed over to a designated collection point, e.g., on an authorized one-for-one basis when you buy a new similar product or to an authorized collection site for recycling waste electrical and electronic equipment (EEE) and batteries and accumulators. Improper handling of this type of waste could have a possible impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. Your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources.

For more information about the recycling of this product, please contact your local city office, waste authority, approved scheme or your household waste disposal service or visit [www.canon-europe.com/weee](http://www.canon-europe.com/weee), or [www.canon-europe.com/battery](http://www.canon-europe.com/battery).



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