



RICOH Pentax UD9x21 Binocular Owner's Manual

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RICOH

Pentax UD9x21 Binocular
Owner's Manual
UD9x21
UD10x21



WARNING

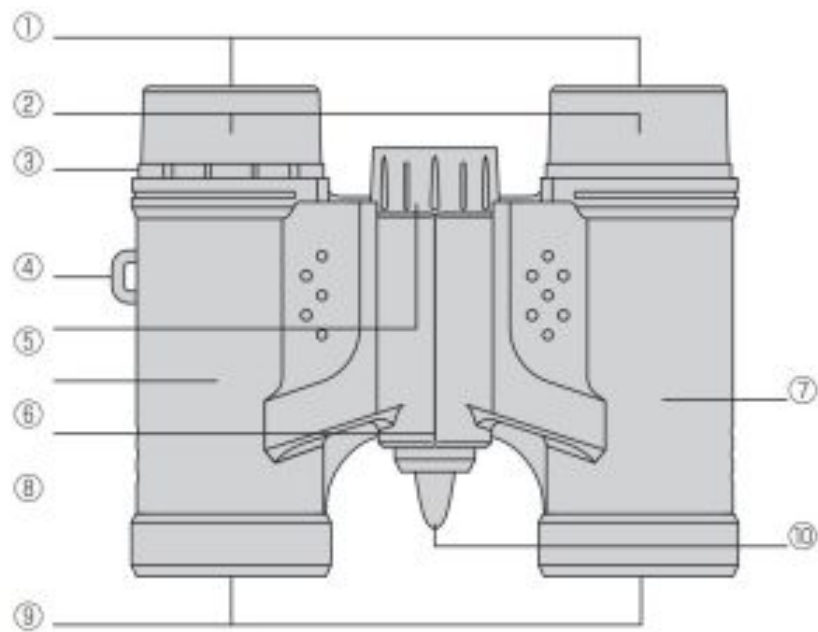
Never attempt to look into the sun with binoculars.

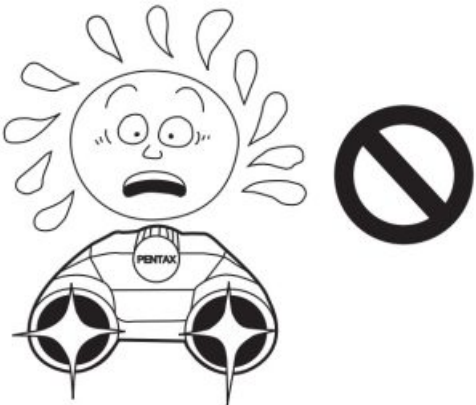
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Names of Parts

① Eyepiece Lenses	⑥ Right Barrel
② Eyepiece Ring	⑦ Left Barrel
③ Diopter Adjusting Ring	⑧ Center Axis
④ Strap Lug	⑨ Objective Lenses
⑤ Central Focusing Wheel	⑩ Tripod Socket Cover



	
DO NOT LOOK AT THE SUN	DO NOT SUBJECT TO STRONG IMPA
	
DO NOT EXPOSE TO HIGH TEMPERATURE	DO NOT SUBJECT TO RAPID CHANG

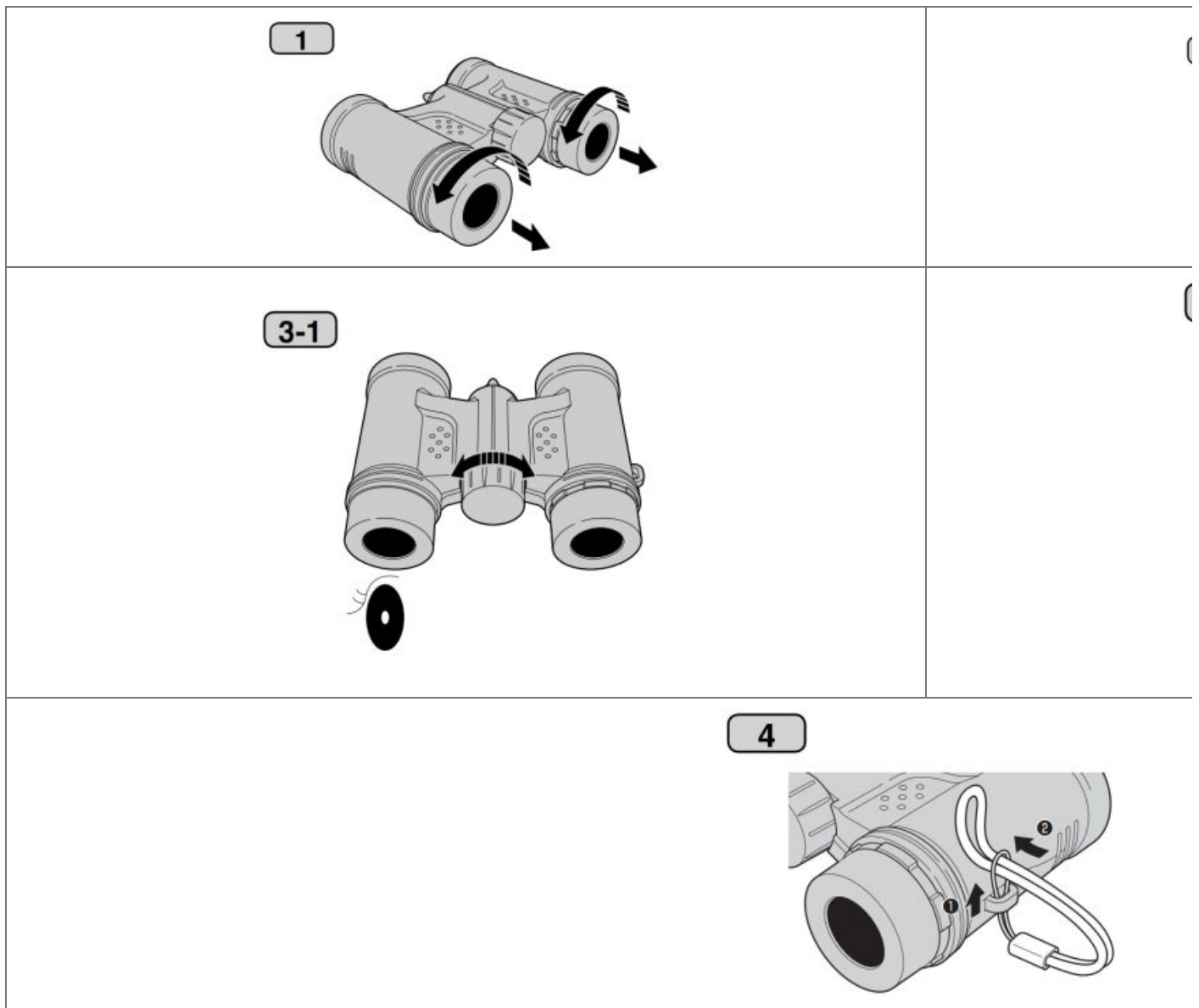
1. To avoid serious eye damage, NEVER look at the sun using binoculars.
Serious damage to the retina or total loss of eyesight may occur.
2. Do not leave the binoculars in locations subject to direct sunlight. Sun rays passing through the binoculars can be intensified, and should they focus on flammable materials, fire may occur.

Safety Precautions

1. Do not use binoculars while walking as depth perception and peripheral vision are dramatically altered. This can result in injury.
2. Caution should be taken when adjusting the binocular barrels, especially by children, to avoid fingers being pinched.
3. Using the binoculars may cause inflammation of the skin around the eye where the eyepiece ring comes in contact with the skin. Consult a physician if any symptoms are noticed.
4. Do not swing the binoculars by the strap, as there is a danger of injury.
5. Keep the vinyl bag in which the binoculars are packed for delivery, and all other vinyl bags, out of the reach of children and infants, as there is a risk of suffocation.

Handling Precautions

1. Do not apply excessive force when adjusting the central focusing wheel, diopter adjusting ring, eyepiece rings, eyepiece width.
2. Do not drop the binoculars or subject them to strong vibration, impact, or pressure.
3. Never expose the binoculars to high temperatures (over 60 degrees centigrade or 140 degrees Fahrenheit). Avoid leaving the binoculars for an extended period of time in a hot humid place such as in a car parked in the sun or near a heater, as this could cause the binoculars to become deformed.
4. Care should be taken when the binoculars are taken to places with widely varying temperatures difference as condensation or, in extreme cases, islets may form that could cause rust or other damage. In such circumstances, the binoculars should be covered by the bag or soft case so that the temperature change will be as gradual as possible. After the temperatures have stabilized, the binoculars may be uncovered and used again.
5. Reasonable care should be taken to prevent exposure to dirt, mud, sand, moisture, toxic gas, or any other substance. These substances may cause damage or render the binoculars inoperable.
6. These binoculars are waterproof. However, if they are wet after use, wipe them with a dry cloth. Do not use thinner, alcohol or benzine for cleaning. If the lenses are dirty, wipe away any residual dirt with a clean, soft, dry cloth using lens cleaner.
7. Binoculars should be stored in a well-ventilated place to prevent fungus growth. Never store them in a closet with mothballs or in an environment where chemicals are handled.



How to Use

Eyepiece Rings

- For a proper view of the entire image area it may be necessary to adjust the eyepieces (Fig. 1). They can be moved out by turning the eyepiece ring to the left (counterclockwise) and in by turning the eyepiece ring to the right (clockwise).
- Rotate the eyepiece rings in if you wear glasses while using these binoculars.
- Do not rotate the eyepiece rings with excessive force.

Adjusting the Eyepiece Width

- While looking at a distant object through both the right and left eyepiece lenses, adjust the barrels so that you can view the object comfortably in one image circle (Fig. 2).

Adjusting Diopter

- While looking through the left eyepiece lens with the left eye only, turn the central focusing wheel slowly to

focus on a distant object most sharply (Fig. 3-1).

- While looking through the right eyepiece lens with the right eye, turn the diopter adjusting ring until the same object comes into sharp focus (Fig. 3-2). Be careful not to rotate the central focusing wheel.
- To observe the subject at different distances, focus by turning the central focusing wheel to the right or left.

Attaching Strap

- Attach the strap as shown.
Pull it lightly to make sure it is securely attached.

Mounting Binoculars on Tripod

- To mount the binoculars on a tripod, remove the tripod socket cover by turning it counterclockwise, screw the optional Pentax Tripod Adapter TP-3 into the tripod socket and attach the binoculars on to the tripod.

Specifications

Models Features	UD9x21	UD10x21
Type	Roof prism. Center focusing	
Magnification	9x	10x
Effective diameter of the objective lens	21 mm	
Real field of view	6.0'	5.
Field of view at 1000m Field of view at 1000yards	105 m 344 ft.	94 m 308 ft.
Exit pupil aperture	2.3 mm	2.1 mm
Relative brightness	5.	4.

Eye relief	9.9 mm	8.5 mm
Focusing range	Approx. 3 m to infinity Approx. 9.9 ft. to infinity	
Eye width (ocular distance) adjustable range	Approx. 58 mm to 72 mm (Approx. 2.3 in. to 2.8 in.)	
Height x width (mm) (in.)	Approx. 87 x 108 mm Approx. 3.4 x 4.3 in.	
Thickness	Approx. 38 mm (1.5 in.)	
Weight	Approx. 195 g (6.9 oz.)	
Accessories	Eyepiece lens cap, Case, Strap	

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SPECIFICATIONS ARE SUBJECT TO CHANGE AT ANY TIME WITHOUT NOTIFICATION OR ANY OBLIGATION ON THE PART OF THE MANUFACTURER.

Documents / Resources

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