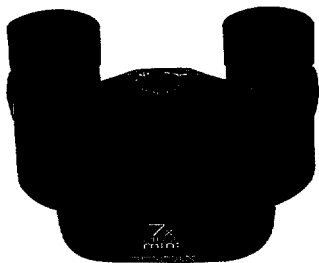


PENTAX

PENTAX BINOCULARS

7x21UCF_{mini}, 9x21UCF_{mini}

OWNER'S MANUAL



Features

Pentax 21 series UCF mini (Uni-barrel Center Focusing) binoculars, designed with advanced technology and many years of experience in this field, are unsurpassed compared with any standard.

The optics utilize high refractive index glass prisms and highly advanced multilayer coatings providing you sharp and bright images even to the corners of the field of view.

Specially designed aspherical lenses reduce distortion, giving you clear image in the whole field of view.

The unique linked-dual-axis configuration of this series helps adjust eye width or interocular distance easily and comfortably.

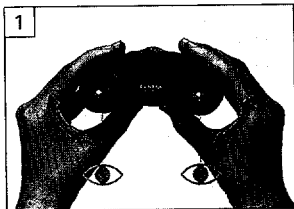
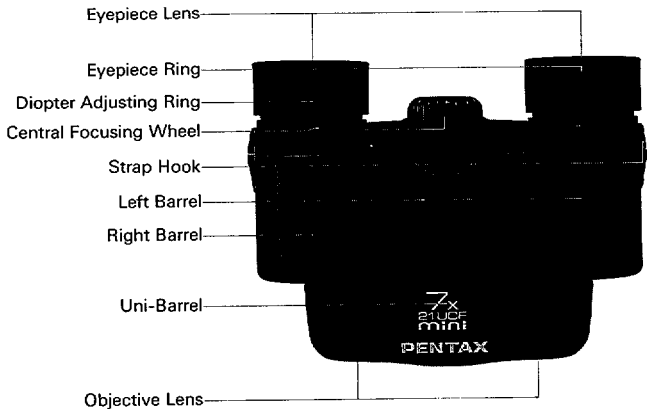
The 21 Series UCF mini with its anti-shock rubber covering has been designed for compactness and easy of use.

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WARNINGS

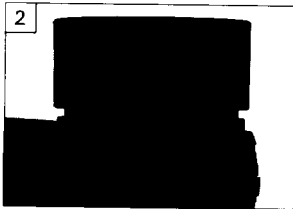
- In order to avoid serious eye damage, **NEVER** look at the sun using the binoculars. Otherwise, serious damage to the retina will occur.
- Do not apply excessive force or pressure when operating the focusing ring, diopter adjusting ring and/or eyepiece width adjustment.
- Since the binoculars consist of the precision optical parts, take care to prevent shock or excessive impact.

Names of Parts



How to Focus

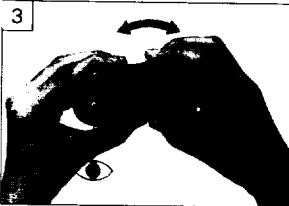
1. To focus your Pentax binoculars, begin by moving the eyepieces closer together or farther apart until they are comfortably in front of your eyes (refer to Photo. 1).



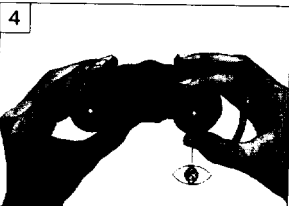
2. Align the larger circle on the diopter adjustment ring with the index mark on the right barrel for zero diopter position, normal eyesight position (refer to Photo. 2).

In this manner both sides, when your eyes are of the same eyesight, have been focused for your eyes.

Therefore, it is unnecessary to perform the following procedures of 3 to 4.



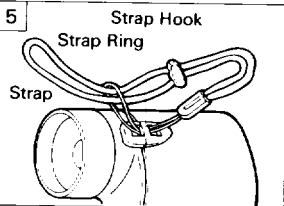
3. Close your right eye and look at a distant object using your left eye. Focus by turning the center focusing wheel (refer to Photo. 3).



4. Next, close your left eye and focus on the same object using your right eye. Focus by turning the right eyepiece diopter ring (refer to Photo. 4).

5. Once both sides are focused for your eyes, use the center focusing wheel to focus on objects at different distances.

- When you are wearing glasses, fold the rubber eyepiece ring down.



How to Attache the Strap

- To attache the strap to the binoculars, first pass the strap ring through the strap hook, and then its end through the strap ring as shown in the illustration.

Strap hooks have been positioned on both sides of the binoculars.

This enables you to choose either strap hook in accordance with your preference.

- Pull the end of the strap to make sure that it is secure.

Handling Precautions

- Do not store the binoculars in a closet with mothballs or in a place where chemicals are handled. Store it in a location with good air circulation to prevent the fungus growth.
- Use a blower and lens brush to remove dust accumulated on the lens surface.
- If water is splashed on the binoculars, allow to dry. Then, wipe off any dirt on the binoculars with a clean, soft and dry cloth. Keep in mind that the binoculars are not water-resistant.
- Dirt, mud, sand, moisture, toxic gas, water, salt water or any other substance penetrating the inside of the binoculars may cause damage or render it inoperable.
- Never use solvents such as paint thinner, alcohol or benzine to clean the binoculars.
- Avoid leaving the binoculars for an extended period of time in places where temperature and humidity are high such as in a car.
- The temperature range at which this binoculars functions properly is 50° C to -10° C (122° F to 14° F). Never expose the binoculars to high temperatures (Over 60° C (140° F)).
- Condensation on the interior or the exterior of the binoculars may be extremely harmful as it may cause rust.
If the binoculars are taken from warm temperature to a subfreezing one or vice versa, the formation of icelets may cause damage. In such a case, put it into a case or plastic bag so that any changes in temperature will be as gradual as possible. After the temperature difference is minimized, take it out of the bag.
- Be careful not to drop or subject the binoculars to strong vibrations, shock or pressure.

Specifications

Features \ Models	7X21 UCF mini	9X21 UCF mini
Type	Porro Prism, Center Focusing (Linked-Dual-Axis)	
Magnification	7X	9X
Effective Diameter of Objective Lens	21mm	21mm
Real Field of View	8.0°	6.3°
Field of View at 1000 m	140m	110m
Field of View at 1000 yards	420ft.	330ft.
Exit Pupil Aperture	3.0mm	2.3mm
Relative Brightness	9.0	5.4
Eye Relief	12mm	12mm
Focusing Range	About 3 m to infinity, About 9.8 ft to infinity	
Eye Width (Ocular Distance) Adjustable Range	57.5 to 71.5 mm 2.3 to 2.8 in	
Height & Width	80 × 105 mm 3.2 × 4.1 in.	86 × 105 mm 3.4 × 4.1 in.
Thickness	50 mm 2 in.	50 mm 2 in.
Weight	210 g 7.4 oz.	210 g 7.4 oz.
Accessories	Eyepiece lens cap, Case, strap	

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



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