

PENTAX

PENTAX BINOCULARS

**8x24 UCF_{WR}, 10x24 UCF_{WR}
12x24 UCF_{WR}, 16x24 UCF_{WR}**

OWNER'S MANUAL



Features

Pentax 24 series UCF WR (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 which utilize high refractive index glass prisms and highly advanced multilayer coated glass offers 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.

Tubes sealed for weather-resistance, and the objective lenses protected with protecting glasses enable you to operate the binoculars in unfavorable weather conditions.

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

The newly designed "pop-up" configuration for diopter correction helps to prevent the diopter adjusting ring from being rotated inadvertently.

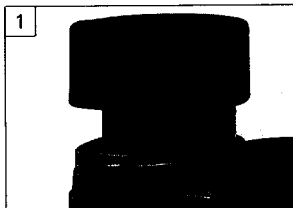
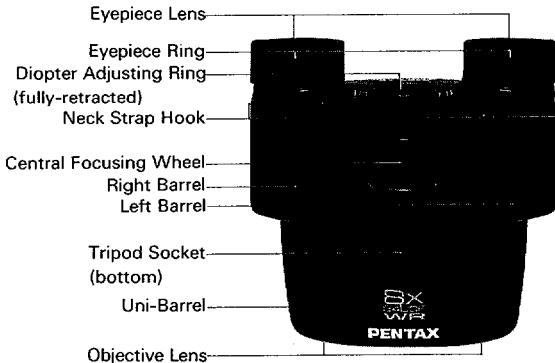
The UCF WR with its anti-shock rubber covering has been designed for compactness and easy of use.

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WARNINGS

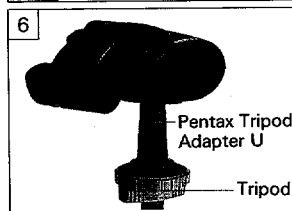
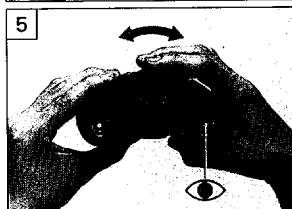
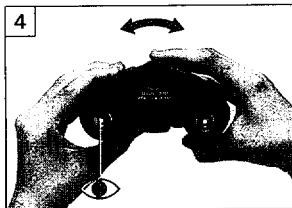
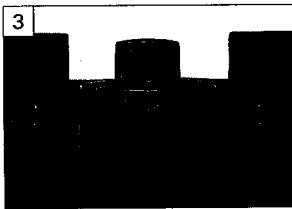
- In order to avoid serious eye damage, **NEVER** look at the sun using the binoculars. Otherwise, serious damage to the retina will occur.
- Do not apply excessive force or pressure when operating the focusing wheel, diopter adjusting ring, eyepiece ring and/or eyepiece width adjustment.
- Since the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

Names of Parts



How to Focus

1. For easily viewing, the binoculars are usually operated with the eyepiece rings pulled out (refer to Photo. 1). When you are wearing glasses, push back the eyepiece ring to the original position.
2. 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. 2).
3. Pressing the diopter adjustment ring alternates the ring's fully-retracted position with diopter adjustment position. The Photo. 3 shows the position for



diopter adjustment.

4. Close your right eye and look at a distant object using your left eye. Focus by turning the central focusing wheel (refer to Photo. 4).

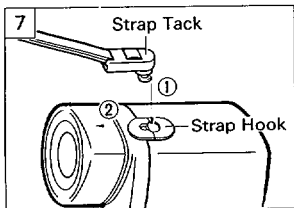
5. Next, close your left eye and focus on the same object using your right eye. Focus by turning the diopter adjusting ring (refer to Photo. 5).

After focusing has been completed, press in the diopter adjusting ring to the original position to prevent it from being turned.

In the case where you have turned the diopter adjustment ring, you must perform above procedures of 4 to 5 every time.

Therefore, it is better for you to remember the position where the index mark on the diopter adjustment ring is placed in the index mark on the uni-barrel, so that you can focus the binoculars for your both eyes by only setting the index mark to the same position (refer to photo. 3).

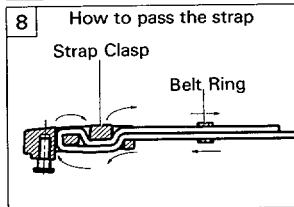
6. Once both sides are focused for your eyes, use the center focusing wheel to focus on object at different distances.



How to mount the binoculars on the tripod

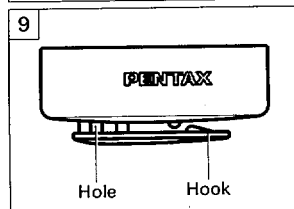
- Use a optional tripod adapter U for attaching the binoculars onto the tripod.
- Screw the optional tripod adapter U into the tripod socked (refer to Photo. 6).

How to Attach the Strap



- In order to attach the strap to the binoculars, place the tip of the strap tack in place shown by arrow (1) as shown in the illustration, and slide the strap tack in the direction of arrow (2) while pressing it in the direction of arrow (1).

Check to see if the strap is securely attached to the binoculars by pulling the strap.



- The strap length can be adjusted in accordance with your preference. It is preferable to provide enough slack in the strap for easy adjustment.
- The strap tack can be removed from the body, provided that the strap tack is slid in the opposite direction of arrow (2) while pressing the strap hook in the direction of arrow (1).

How to keep the eyepiece lens cap.

- In order to prevent loss, the eyepiece lens cap has been designed so that it may be directly hooked on the supplied neck strap.
- The hole is also positioned in the cap for passing the string.

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 fungus growth.
- Use a blower and lens brush to remove dust accumulated on the lens.
- Take reasonable care to prevent exposure to dirt, mud, sand, moisture, toxic gas, salt water or any other substance which may penetrate and cause internal damage.
- 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.
- Never expose the binoculars to high temperatures (over 60C° (140C° F)).
- Be careful not to drop or subject the binoculars to strong vibrations, shock or pressure.

Specifications

Models	8X24 UCF WR	10X24 UCF WR	12X24 UCF WR	16X24 UCF WR
Features				
Type	Porro Prism Center focusing(Linked-dual-Axis) Fully-retracted diopter adjusting ring Weather resistant. Objective lens protective glass.			
Magnification	8X	10X	12X	16X
Effective Diameter of objective Lens	24 mm			
Real Field of View	7.5°	6.0°	5.0°	3.2°
Field of View at 1000 m	131 m	105 m	87 m	56 m
Field of View at 1000 yards	393 ft	315 ft	261 ft	168 ft
Exit Pupil Aperture	3.0 mm	2.4 mm	2.0 mm	1.5 mm
Relative Brightness	9.0	5.8	4.0	2.3
Eye Relief	13 mm	10 mm	8 mm	10 mm
Focusing Range	About 4 m to infinity About 13.1 ft to infinity			
Eye Width (Ocular Distance) Adjustable Range	56 to 74 mm 2.2 to 2.9 in.			
Height & Width	110 × 113 mm 4.3 × 4.4 in.	106 × 113 mm 4.2 × 4.4 in.	106 × 113 mm 4.2 × 4.4 in.	110 × 113 mm 4.3 × 4.4 in.
Thickness	60 mm 2.4 in.			
mass	330g 11.6 oz.	330g 11.6 oz.	340g 12.0 oz.	360g 12.7 oz.
Accessories	Eyepiece Lens cap, Case, Neck strap			

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



Aaahi Optical Co., Ltd. 11-1, Nagata-cho 1-chome, Chiyoda-ku, Tokyo 100, JAPAN (Internet://www.pentax.co.jp/)
Pentax Europe s.r.l. Weiveldiaan 3-5, 1930 Zaventem, BELGIUM (Internet://www.pentaxeuropa.com/)
Pentax GmbH, Julius-Vosseler-Strasse, 104, D-22527 Hamburg, GERMANY (Internet://www.pentax.de/)
Pentax U.K. Limited Pentax House, Heron Drive, Langley, Slough Berks SL3 8PN, U.K.
Pentax France S.A. 12/14, rue Jean Poulmarch, 95100 Argenteuil Cedex, FRANCE
Pentax Benelux B.V. (for Netherlands) Spinveld 25, 4815 HR Breda, NETHERLANDS
(for Belgium & Luxemburg) Weiveldiaan 3-5, 1930 Zaventem, BELGIUM
Pentax (Schweiz) AG Industriestrasse 2, 8305 Dietlikon, SWITZERLAND
Pentax Scandinavia AB P.O. Box 690, 75127 Uppsala, SWEDEN
Pentax Corporation 35 Inverness Drive East, Englewood, Colorado 80112, U.S.A. (Internet://www.pentax.com/)
Pentax Canada Inc. 3131 Universal Drive, Mississauga, Ontario L4X 2E5, CANADA