

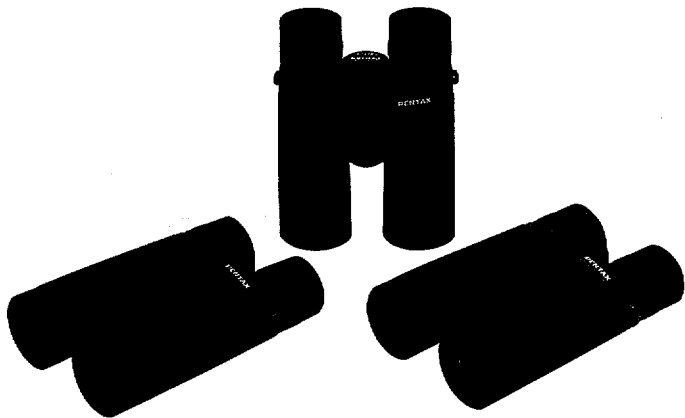
**PENTAX**

**PENTAX BINOCULARS**

**8×42 DCFHR, 10×42 DCFHR**

**12×42 DCFHR**

**OWNER'S MANUAL**



## **Features**

Pentax 42 series DCF HR (Roof prism Center Focusing) binoculars, designed with advanced technology and many years of experience in this field, are unsurpassed compared with any standard.

Highly advanced large-diameter multilayer coated glass offers you sharp and bright images with high resolution even to the corners of the field of view. DCF HR binoculars feature long eye-relief for easy viewing even with glasses. High performance is assured even in the most unfavorable climatic conditions.

Tubes are sealed for weather-resistance, enabling you to operate the binoculars in unfavorable weather conditions.

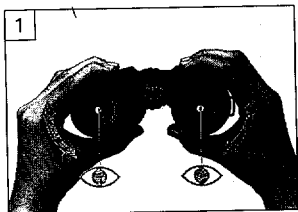
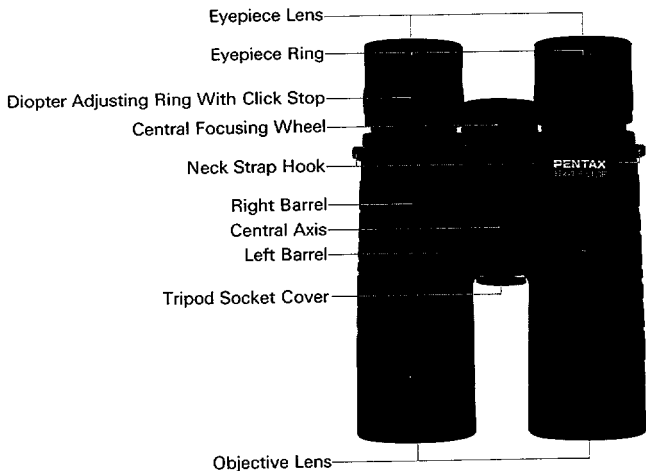
The DCF HR with its anti-shock rubber covering is designed for easy handling. They offer smooth focusing, easy diopter adjustment with click stops and overall reliable operation.

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## **WARNINGS**

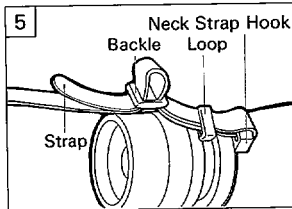
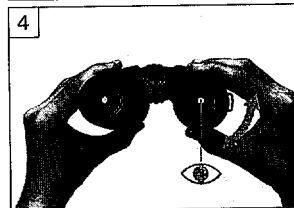
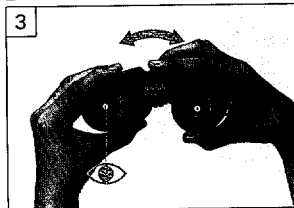
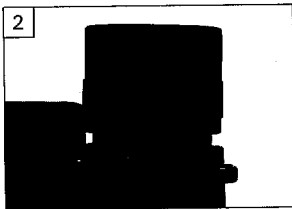
- In order to avoid serious eye damage, NEVER look at the sun using the binoculars. Otherwise, serious damage to the retina will occur.
- Do not apply excessive force or pressure when operating the focusing ring, diopter adjusting ring and/or eyepiece width adjustment,
- Since the binoculars consist 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 outside.

### How to Attache the Strap

- To attache the strap to the binoculars, thread the strap through the neck strap hook, loops and buckle as shown in the illustration.

- Check to see if the strap is attached to the binoculars securely pulling the strap after attachment.

### **How to mount the binoculars on the tripod**

- Use an optional tripod mounting adapter for attaching the binoculars onto the tripod.  
Remove the tripod socket cover by pulling itself, and screw the optional tripod mounting adapter into the socket.
- When returning the tripod socket cover to the original position, place the tip of it on the socket, pressing the center of it, so that it can be inserted easily into the tripod socket of the binoculars.

### **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.
- 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 60° C (140° F)).
- Be careful not to drop or subject the binoculars to strong vibrations, shock or pressure.

## Specifications

Features \ Models	8X42 DCF HR	10X42 DCF HR	12X42 DCF HR
Type	Roof Prism, Center Focusing, Weather-resistant		
Magnification	8X	10X	12X
Effective Diameter of Objective Lens	42mm	42mm	42mm
Real Field of View	6.2°	5.0°	4.2°
Field of View at 1000 m	108mm	87mm	73mm
Field of View at 1000 yards	324ft.	261ft.	219ft.
Exit Pupil Aperture	5.3mm	4.2mm	3.5mm
Relative Brightness	27.6	17.6	12.2
Eye Relief	22mm	20mm	18mm
Focusing Range	About 4 m to infinity, About 13.1 ft to infinity		
Eye Width (Ocular Distance) Adjustable Range	56 to 75 mm 2.2 to 2.9 in		
Height & Width	172 × 127 mm 6.8 × 5.0 in	169 × 127 mm 6.7 × 5.0 in	169 × 127 mm 6.7 × 5.0 in
Thickness	59 mm 2.3 in.	59 mm 2.3 in.	59 mm 2.3 in.
Weight	660 g 23.3 oz.	660 g 23.3 oz.	660 g 23.3 oz.
Accessories	Eyepiece lens cap, Case, Neck strap Objective lens cap		

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



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