

PENTAX

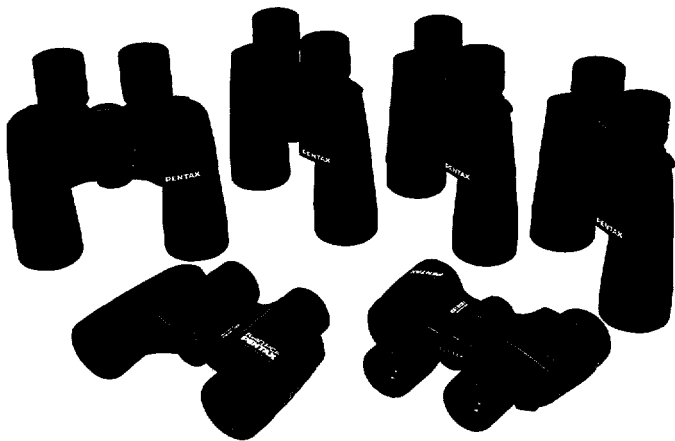
PENTAX BINOCULARS

7×35 PCF II, 7×50 PCF II

8×40 PCF II, 10×50 PCF II

12×50 PCF II, 16×50 PCF II

OWNER'S MANUAL



Features

The Pentax PCF II -Series binoculars are high precision optical instruments designed by Pentax based on many years of experience in the optical technology. The PCF II -Series binoculars offer outstanding sharpness of vision in the entire field of view with high-refractive index glass prism and multi-coating for high light transmittance.

Mechanical parts are shielded inside body with anti - shock rubber covering for extra durability. The PCF II 's external configuration is straightforward and smooth for easy and secure handling.

The new models are improved further for better handling and optical performance having the newly designed built-in focus lock mechanisms and click stops on the diopter adjusting eyepiece rings.

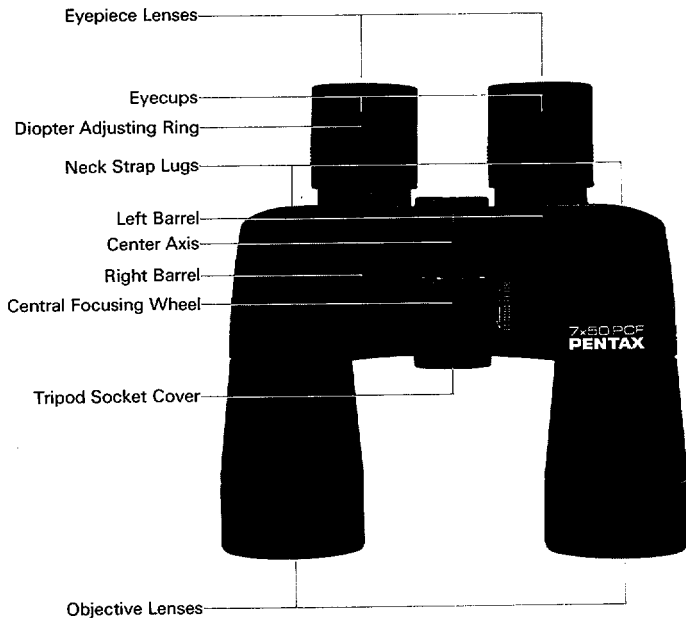
The PCF II -Series binoculars are ideal companions to take along on leisure activities – from outdoor sports and nature observation to various professional uses.

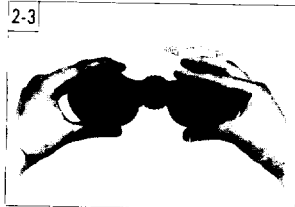
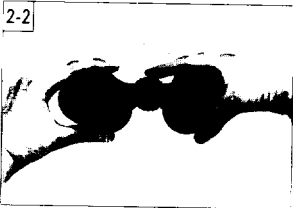
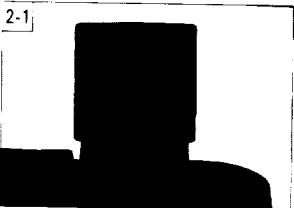
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Warnings

1. Never attempt to look into the sun with binoculars, or your eyes will be severely hurt.
2. Do not apply undue force to the binoculars when adjusting the eye width or when turning the diopter adjusting ring and/or the focusing wheel. Release the focusing lock to focus. Do not force to turn the central focusing wheel when locked.
3. Avoid high temperatures(over 60° C). Do not leave the binoculars in a car under the scorching sun. Do not put them close to a heating device. Otherwise a deformation may result.
Do not subject the binoculars without proper insulated protection to sudden temperature changes ; out into the cold outdoors from a warm room, or vice versa. Or you may have water condensation inside binocular housings. It is recommended that the binoculars be placed in a vinyl bag, allow a wait of approximately 30 minutes for each 10° C change of temperature, before removing the binoculars.
4. Do not subject binoculars to dirt. Dirt may cause malfunctioning of the binoculars.

Names of Parts





How to Use

1. Adjusting Eyepiece Width

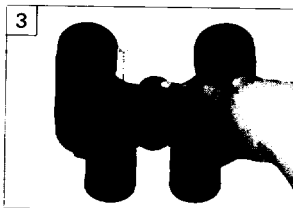
Adjustment of the eyepiece width is needed when your right and left viewing area do not superimpose each other in a perfect circular field. Gently fold or expand both lens barrels until your viewing area matches to form a perfect circle.

If you wear a pair of spectacles, fold back on the eyepiece ring so that your glasses directly contact the eyepieces and you can see the entire viewing field.

2. Adjusting Diopter

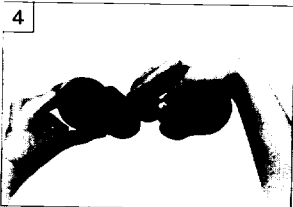
Simply adjust the dual-arrow mark on the diopter adjusting ring to the arrow mark on the eyepiece barrel in case you have well balanced good vision (2-1). If your eyes are not so well balanced, firstly, turn the focusing wheel to focus on a 100-meter or longer distant object through the left eyepiece (2-2). Then looking through the right eyepiece lens with the right eye, turn the diopter adjusting ring until the same object comes into sharp focus (2-3). Do not touch the central focusing wheel until you finish the diopter adjustment.

Once the diopter is adjusted, turn the central focusing wheel to focus on any object with both eyes.



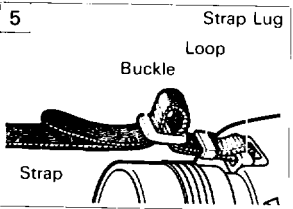
3. Focus Lock

To lock the focus at the same distance, thrust the central focusing wheel forward as shown in the illustration.



4. Mounting Binoculars on Tripod

Unscrew the tripod socket cover turning it counterclockwise. Attach the optional tripod mounting adapter to the socket. Mount the adapter on a tripod.



5. Attaching Neck Strap

Thread the strap through the neck strap lugs, loops and buckle. Try to see if the strap is attached to the binoculars securely pulling the strap after attaching.

Before Storing

1. When water is splashed on the binoculars, dry them with clean cotton cloth thoroughly. The binoculars are not water-resistant. Do not apply solvents for cleaning. Either petrochemical or alcoholic solvents may cause damages on the binoculars.
2. When storing the binoculars, take them out of the case and put them in a well-ventilated place. Do not store them with insecticide or moth repellent chemicals.

Specifications

Features \ Models	7X35 PCF II	8X40 PCF II	7X50 PCF II	10X50 PCF II	12X50 PCF II	16X50 PCF II
Type	Porro Prism, Center Focusing, Focus Lock, Click Diopter Adjustment					
Magnification	7X	8X	7X	10X	12X	16X
Effective Diameter of Objective Lens	35mm	40mm	50mm	50mm	50mm	50mm
Real Field of View	9.3°	8.2°	7.1°	6.5°	5.5°	3.0°
Field of View at 1000 m	163m	143m	124m	114m	96m	52m
Field of View at 1000 yards	489ft.	429ft.	372ft.	342ft.	288ft.	157ft.
Exit Pupil Aperture	5.0mm	5.0mm	7.1mm	5.0mm	4.2mm	3.1mm
Relative Brightness	25.0	25.0	51.0	25.0	17.4	9.6
Focusing Range	≈6 m to infinity ≈19.7 ft to infinity	≈6 m to infinity ≈19.7 ft to infinity	≈6 m to infinity ≈19.7 ft to infinity	≈6 m to infinity ≈19.7 ft to infinity	≈6 m to infinity ≈19.7 ft to infinity	≈9 m to infinity ≈30 ft to infinity
Eye Width(Ocular Distance) Adjustable Range	57.5 to 71.5 mm 2.3 to 2.8 in.	57.5 to 71.5 mm 2.3 to 2.8 in.	57.5 to 71.5 mm 2.3 to 2.8 in.	57.5 to 71.5 mm 2.3 to 2.8 in.	57.5 to 71.5 mm 2.3 to 2.8 in.	57.5 to 71.5 mm 2.3 to 2.8 in.
Height & Width	123 × 181 mm 4.8 × 7.1 in.	139 × 184 mm 5.5 × 7.2 in.	190 × 190 mm 7.5 × 7.5 in.	180 × 190 mm 7.1 × 7.5 in.	182 × 190 mm 7.2 × 7.5 in.	182 × 190 mm 7.2 × 7.5 in.
Thickness	61 mm 2.4 in.	61 mm 2.4 in.	65 mm 2.6 in.	65 mm 2.6 in.	65 mm 2.6 in.	65 mm 2.6 in.
Weight	720 g 25.4 oz.	780 g 27.5 oz.	920 g 32.5 oz.	900 g 31.7 oz.	930 g 32.8 oz.	920 g 32.5 oz.
Accessories	Eyepiece lens cap, Objective lens cap, Neck strap, Case					

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



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