

ASAHI
PENTAX

PENTAX-110 Interchangeable Lenses

24mm F2.8 Standard
18mm F2.8 Wide-angle
50mm F2.8 Telephoto

Although they are the smallest interchangeable camera lenses available, Pentax-110 interchangeable lenses are precision optical instruments and should be handled with the same care given to larger 35mm format interchangeable lenses. Each Pentax-110 lens features its own independent focusing system. Moreover, aperture setting is not required, as this is performed by the diaphragm mechanism built into the camera's automatic exposure and programmed shutter system. Each Pentax-110 lens bayonets to the front of the camera in the same manner.

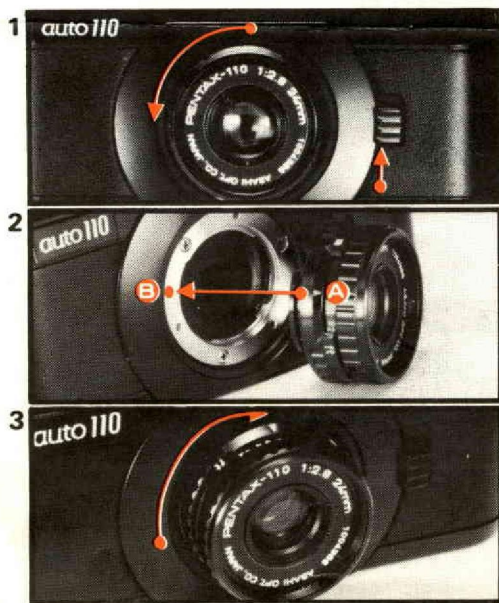


Lens Changing

To remove a lens previously mounted on the camera, push upwards on the lens release lever (Photo 1) and turn the lens approx. 85 degrees to the left until it slips out of the mount.

To mount a lens:

1. Match up the red distance scale index of the lens (A in Photo 2) with the red dot on the camera body (B in Photo 2) and insert the lens into the body.
2. Turn the lens to the right until it locks into place (the red distance scale index should be positioned at the top as shown in Photo 3).



Focusing

Each Pentax-110 interchangeable lens is provided with a focusing ring and features a calibrated distance scale for critical focusing at premeasured distances. When focusing through the viewfinder, simply turn the focusing ring until the split image in the center of the viewfinder aligns as one.

Lens Care

Although Pentax-110 Interchangeable Lenses are readily pocketable, they should not be stuffed directly into a pocket without protection as lint and dust will cling to them; they will also scratch easily. To avoid this, always cover the lens with both front and rear caps when keeping it in your pocket or not in use. Also make it a habit to protect the lens from rough objects with casing, cloth, etc., when carrying it in your pocket, and do not keep lenses in your hip pocket or other places where they might be damaged easily.

Tripod Spacer for the 50mm Telephoto Lens

The 50mm F2.8 telephoto lens is much larger than the others and will hit against the tripod mount when the camera is mounted directly to a tripod. The Tripod Spacer Ring, available as an optional accessory, is used to prevent this. To use the spacer, simply screw it to the camera's tripod socket; then, screw the tripod into the socket at the bottom of the spacer.

Lens Cleaning

Remove dust from the surface of the lens with a blower brush. To remove smears and smudges, periodically clean both front and rear glass surfaces of the lens by wiping them gently with lens cleaning paper or a soft cloth dampened in lens cleaning solution.

Type	Name of Lens	Lens Construction (Groups—Elements)	Angle of View (Degree)	Aperture Range*	Minimum Focus (m)	Filter & Lenshood Size (mm)	Close-Up Lenses (Size & Type) (mm)	Dia. & Length (mm)	Weight (g.)
Wide-angle	Pentax-110 18mm F2.8	6-6	61.5	*	F2.8-F13.5	0.25	30.5 (W21)	34 x 21	28
Standard	Pentax-110 24mm F2.8	5-6	47	*		0.35	25.5 (S31, S16)	29.6 x 12.8	13
Telephoto	Pentax-110 50mm F2.8	5-5	24	*		0.9 (lens hood only)	37.5 (T26, T43)	43 x 27.2	53

* Aperture varies automatically as controlled by camera diaphragm and programmed shutter.

Note: Length does not include mount portion.



Asahi Optical Co., Ltd. C.P.O. 895, Tokyo 100-91, JAPAN
Asahi Optical Europe N.V. Weiveldlaan 3-5, 1930 Zaventem Zuid-7, BELGIUM
Pentax Handelsgesellschaft mbH. 2000 Hamburg 54 (Lokstedt), Grandweg 64, WEST GERMANY
Pentax Corporation 9 Inverness Drive East, Englewood, Colorado 80112, U.S.A.
Pentax of Canada Ltd. 1760 West 3rd Avenue, Vancouver, B.C. V6J 1K5, CANADA
Asahi Optical Brasileira Ind. e Com. Ltda. Rua Estados Unidos, 1053, São Paulo-SP, BRASIL