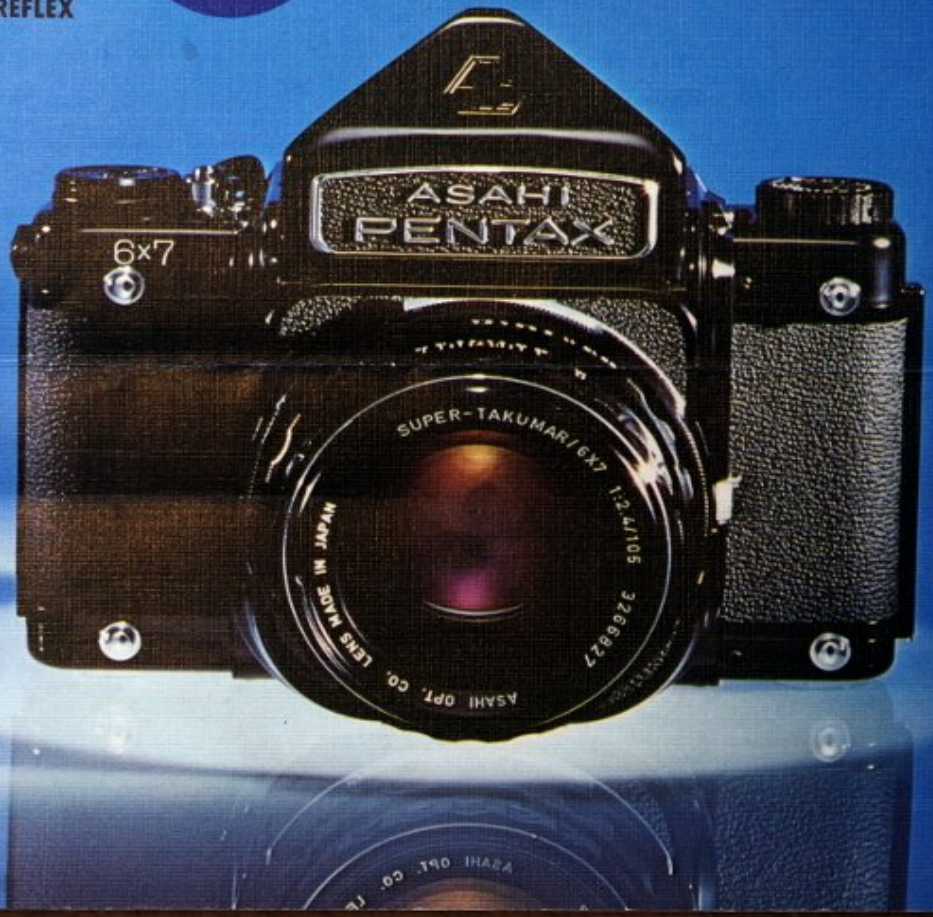
ASAHI PENTAX 6x7

IDEAL-FORMAT SINGLE-LENS REFLEX



Asahi Optical Company, in pursuit of ceaseless improvement of SLR photography, with 50 years of technological background, proudly presents the new Asahi Pentax 6x7 — fully usable 6x7 ideal-format SLR — new professional camera for the colour age. (SLR = single-lens reflex)

. . . birth of a new professional-size ideal-format SLR . . .

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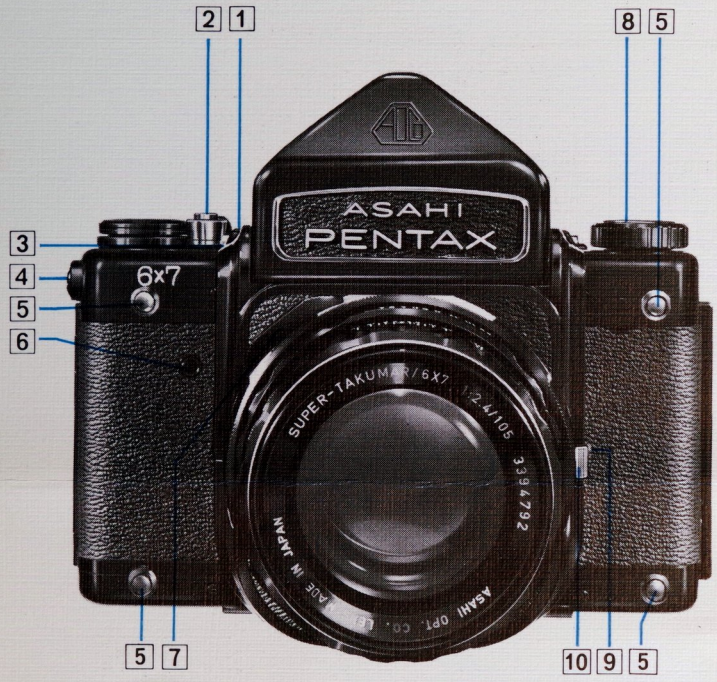
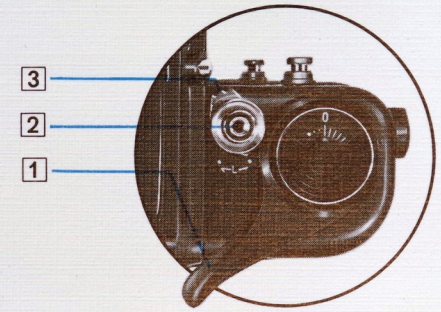
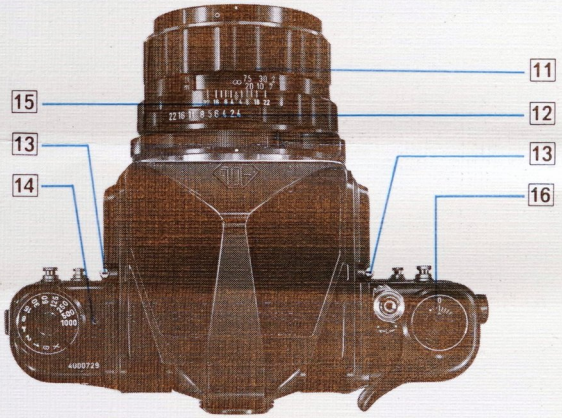
22 16 11 8 5.6 4 2.8 16 22

Dynamic Contour and Classic Construction Plus Hidden Maneuverability

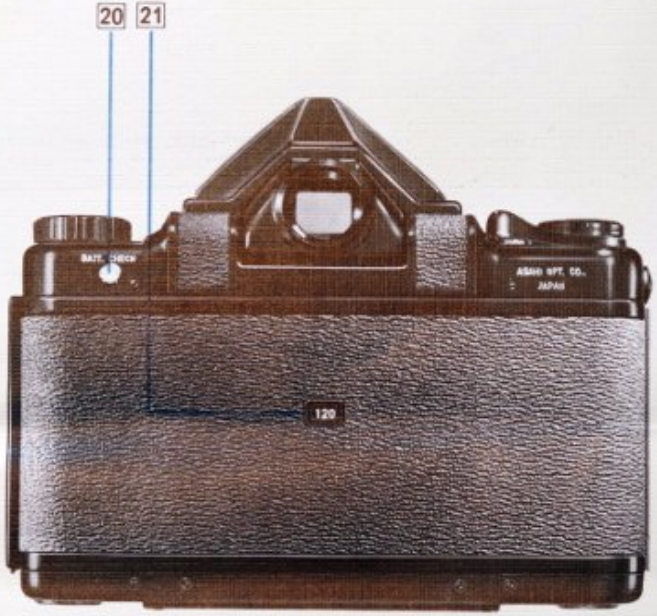


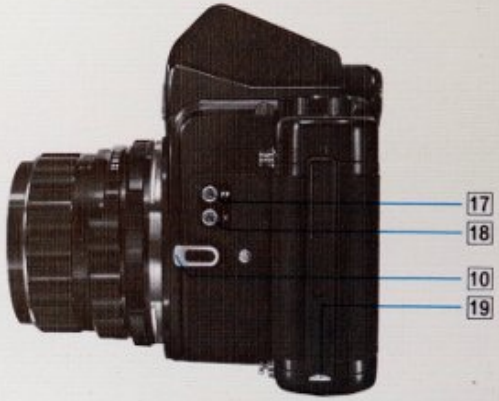




1 Rapid wind lever
2 Shutter button
3 Shutter lock lever
4 Frame number control dial
5 Neck strap hooks
6 Safety device release button
7 Depth-of-field preview lever
8 Shutter speed dial
9 Accessory positioning button
10 Bayonet lock
11 Distance scale
12 Diaphragm scale

The 6 x 7 film size is practically twice as large as the 6 x 6 size. Yet the size of the Asahi Pentax 6 x 7 camera is just like the size of the 6 x 6. Handles as easily, as fast as the 35mm. It is the combination of superb research/development talents and technological background of such an organization as Asahi Optical Company concentrating in SLR technology.





13 Push-button side locks
14 Battery checker lamp/Shutter speed index
15 Depth-of-field scale
16 Self-starting exposure counter
17 FP flash terminal
18 X flash terminal

19 Back cover locking lever
20 Battery check button
21 120/220 window
22 Battery housing cover
23 Film spool retainer knobs
24 Tripod socket

Complete System of Photography Satisfies Exacting Photographic Requirements

● SPECIFICATIONS OF ASAHI PENTAX 6 x 7

Type	6 x 7 ideal-format single-lens reflex
Film	120 roll-film (10 exposures) / 220 roll-film (21 exposures)
Picture size	55mm × 70mm
Standard lens	Super-Takumar / 6 x 7 105mm f/2.4; 6 elements; fully-automatic diaphragm; 67mm filter size
Focusing distance	1m (3.3 ft.) to infinity
Shutter	Electronically-timed, double-curtain focal-plane shutter; X, B, 1~1/1000 sec.
Power source	6V silver battery (Eveready #544)
Battery checker	Push-button battery checker + checker lamp
Viewfinders	Detachable pentaprism finder; cross-microprism focusing screen; life size image with standard lens
Reflex mirror	Swing-back-type instant return mirror
Film transport	Rapid wind lever (180° : one stroke); self-cocking shutter
Exposure counter	Self starting exposure counter
Lens mount	Double coaxial bayonet mounts; inner bayonet for 35mm~300mm / outer bayonet for 400mm~1000mm lenses
Flash synchronization	FP and X terminals / electronic flash at 1/30~1 sec., B
Exposure meter	Accepts TTL pentaprism housing coupled with shutter speeds
Dimension	184mm (width) × 149mm (height) × 156mm (depth)
Weight	Body 1,280 g / standard lens 628 g / pentaprism housing 460 g

● TAKUMAR / 6 x 7 INTERCHANGEABLE LENSES

		Elements	Diaphragm	Angle	Minimum Focusing Distance (m)	Minimum Aperture	Maximum Diameter (mm)	Length (mm)	Weight (g)	Filter (mm)
Fish-Eye-Takumar/6x7	35mm f/4.5	11	FA	180°	0.45	22	102	73	920	(1)
Super-Takumar/6x7	55mm f/3.5	8	FA	78°	0.45	22	103	82	920	100
Super-Takumar/6x7	75mm f/4.5	5	FA	61°	0.70	22	89	81	600	82
Super-Takumar/6x7	105mm f/2.4	6	FA	45°	1.00	22	89	60	628	67
Super-Macro-Takumar/6x7	135mm f/4	5	FA	36°	0.85	22	89	99	767	67
Super-Takumar/6x7	150mm f/2.8	5	FA	33°	1.50	22	89	92	768	67
Super-Takumar/6x7	200mm f/4	4	FA	26°	2.50	22	89	120	900	67
Super-Takumar/6x7	300mm f/4	5	FA	17°	5.00	45	93	186	1,425	82
Takumar/6x7	400mm f/4	5	M	12°	8.00	45	115	287	2,570	77
Takumar/6x7	600mm f/4	6	M	8°	12.00	45	170	370	6,000	77
Takumar/6x7	800mm f/4	6	M	6°	20.00	45	236	611	17,700	77
Reflex-Takumar/6x7	1000mm f/7	7	(2)	5°	35.00	—	170	352	6,400	67 (1)

FA = Fully Automatic M = Manual (2) ND filters built-in (1) 4 filters built-in

SUPER-TAKUMAR
300mm

SUPER-TAKUMAR
200mm

SUPER-TAKUMAR
150mm

SUPER-MACRO-TAKUMAR
135mm

SUPER-TAKUMAR
105mm

SUPER-TAKUMAR
75mm

SUPER-TAKUMAR
55mm

FISH-EYE-TAKUMAR
35mm

From 35mm Fish-Eye to 1000mm Super-Telephoto

TAKUMAR
400mm

REFLEX-TAKUMAR
1000mm

TAKUMAR
600mm

TAKUMAR
800mm

Highest Precision in Solid Durability

1

Swing-Back Instant Return Mirror

Reflex mirror backs up, flips up at the same time. New design in reflex mirror movement. Mirror is large enough, so the waist-level viewfinder shows 100% picture image, and all lenses are designed without sacrifice in quality.

2

Double Coaxial Bayonet Mounts

Inner bayonet takes Takumar/6 x 7 lenses from 35mm to 300mm. Outer bayonet securely takes lenses from 400mm to 1000mm. Lenses stay solid. Much faster lens interchangeability.

3

Double Fresnel Lenses

Two Fresnel lenses are used, instead of a conventional thick condenser lens. Also a new design for making the finder optics more compact. It makes viewing and focusing brilliantly easier.

4

Correction Lenses

7 "+" and 7 "−" dioptry lenses are available separately for insertion into the viewfinder eyepiece frame.

5

Shutter Cocking After Film Loading

It is a completely new self-cocking system. You can cock the shutter only after you loaded a film. For cocking the shutter without loading a film, a tiny shutter cocking key is supplied. Further, only after you released the shutter, you can transport the film. Double exposure completely prevented.

6

Easy 120/220 Film Switching

Simply move the pressure plate to 120 or 220 position. The back window shows at which position (120 or 220) the pressure plate is positioned. Just turn the frame number control dial to "10" or "21" depending upon the film used. This completes the adjustment for 120 or 220 film. After the set number of exposures were taken, the shutter automatically stops working. Rapid wind lever just keeps winding up the roll paper without cocking the shutter. 3 turns of the rapid wind lever completely takes up the roll paper.

7

Easy, Strainless Film Take-up

To improve the film plane, the film should be wound according to its natural curl. The easy strainless film take-up of the Asahi Pentax 6 x 7 is natural—just ideal for finest colour photography.

8

Electronically-Timed Focal Plane Shutter

With the incorporation of the new electronically-timed shutter, the camera is made so compact for its format, overcoming shutter design problems. Electronic shutter timing improves the precision and durability of the meticulously constructed shutter.

Interchangeable Finders and Focusing Screens

Depress the push-button side locks and detach the pentaprism finder. Depending upon your subjects, mount the Folding Focusing Hood or the Rigid Magnifying Hood. The Folding Focusing Hood, with a 1.6× magnifier, folds flat. The Rigid Magnifying Hood is a rigid focusing magnifier/finder with an adjustable 1.3× magnifier.

4 different focusing screens are available for your various professional works.

◈ Folding Focusing Hood ◈

◈ Pentaprism finder being detached ◈

◈ Rigid Magnifying Hood ◈

Mat+Cross

Mat+Cross+Cross-Microprism

Mat + Cross-Microprism

Mat

Accessories for ASAHI PENTAX 6×7

Lenshoods

Bayonet lenshoods, which are supplied separately, fit directly onto the front bayonet of the lens. When using a filter, they fit onto the filter ring.

Eye-Cup

Caps

Front lens cap (67mm size)
Rear lens cap
Body mount cap

Cable Release II

Filters

Following 67mm-size bayonet filters are available: (Screw-in filters can also be used.)

UV, Y1, Y2, R2 & YG for black-and-white.

Skylight, Cloudy, Morning & Evening, Flash & Flood for colour.

Polarizing filter.

Correction Lenses

(for pentaprism viewfinder)

Neck/Shoulder Strap

This strap can be used to carry camera vertically or horizontally.

Extension Tube Sets

Inner bayonet extension tube set of 3 rings couples with automatic diaphragm release for lenses up to 300mm focal length.

Outer bayonet extension tube set of 2 rings for lenses over 400mm focal length.

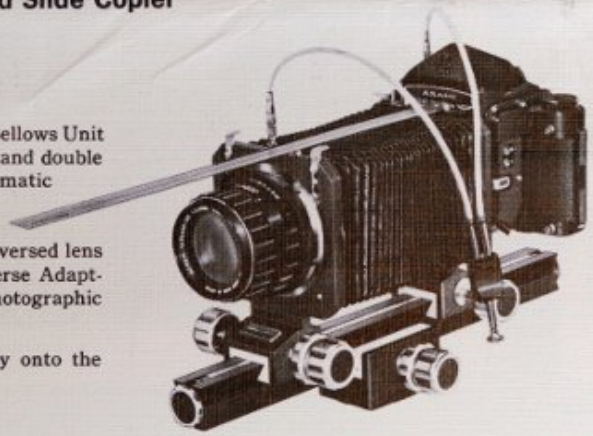
Magnifier

Adjustable 2× magnifier for critical focusing at the centre of the focusing screen; equipped with a hinge at the top for lifting this magnifier for broader viewing through the camera's viewfinder eyepiece.

Auto-Bellows and Slide Copier

High-precision Auto-Bellows Unit with adjustable front and double cable release for automatic diaphragm release.
Equipped with
a special device for reversed lens position with the Reverse Adapter for better macrophotographic definition.

Slide Copier fits easily onto the Auto-Bellows.



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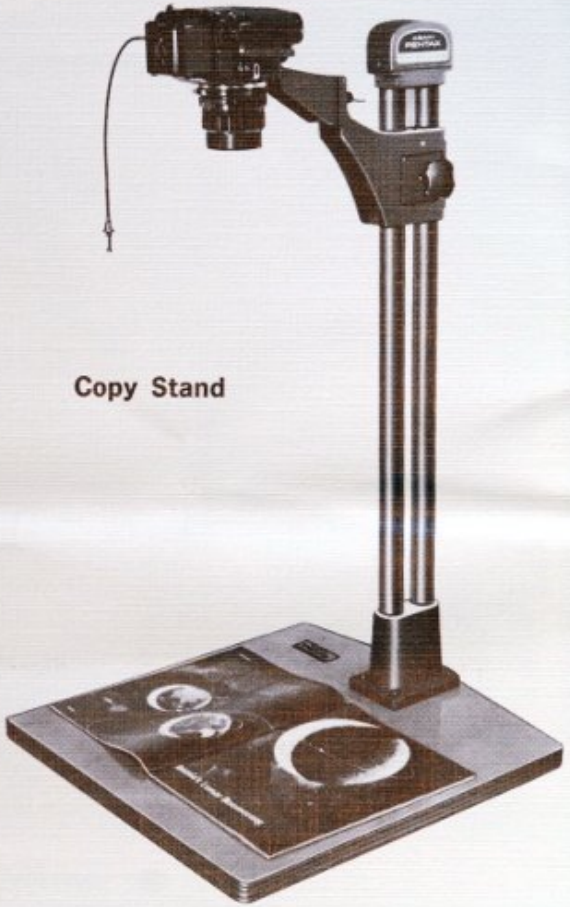

The fine trio from Asahi Pentax.
Hold any one of these, and you'll never let go.

ASAHI PENTAX

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