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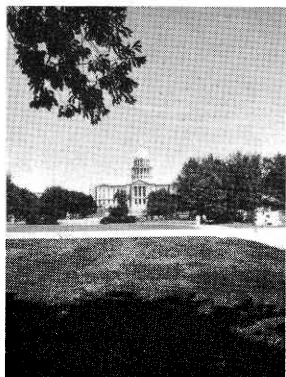
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28mm

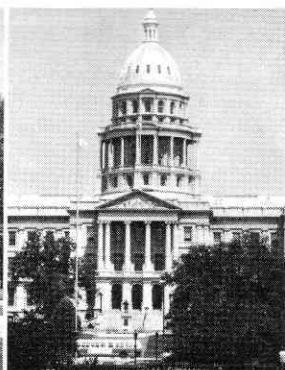
DIFFERENCE OF ANGLE OF TAKUMAR LENSES



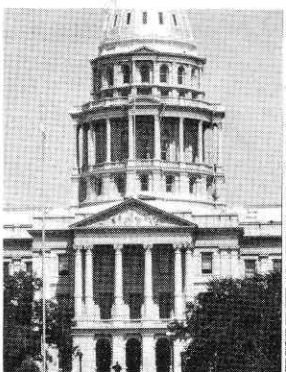
50~55mm



85mm



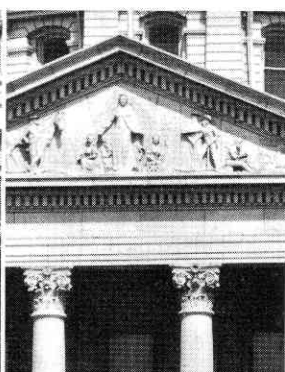
135mm



200mm



400mm



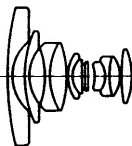
1000mm

All photographs were taken from the same location and distance from the subject.

Fish-Eye Takumar 17mm f/4 *

The world's most efficient fish-eye lens with maximum brightness of f/4. Covers an angle of vision of about 180°. Enables you to view and focus through the viewfinder without keeping the reflex mirror flipped up.

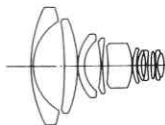
Lens element 11 (including 3 filters)
 Minimum aperture f/22
 Minimum distance 0.66 ft. (0.2 m)
 Angle of view 180° (diagonal)
 Weight 7.98 ozs. (228 gr.)



Super-Takumar 20mm f/4.5 *

The new Super-Takumar 20mm f/4.5 — the widest of the Takumar wide-angle family — lets you view and focus at a 94° angle of vision without keeping the reflex mirror flipped up. Superb perspective effect and a minimum focusing distance of 20cm also make it one of the most exciting lenses of the whole range.

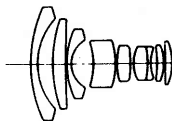
Lens element 11
 Minimum aperture f/16
 Minimum distance 0.65 ft. (0.2 m)
 Angle of view 94°
 Weight 8.79 ozs. (251 gr.)



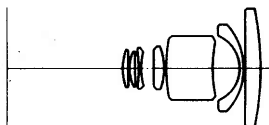
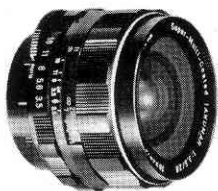
Super-Takumar 24mm f/3.5 *

The new Super-Takumar 24mm f/3.5 is an ultra-wide-angle lens that increases even further the versatility of your Asahi Pentax. Compact in size and light in weight, it enables you to view and focus at an 84° angle of vision without keeping the reflex mirror flipped up. A wonderful lens to create pictures with dramatic impact.

Lens element 9
 Minimum aperture f/16
 Minimum distance 0.8 ft. (0.25 m)
 Angle of view 84°
 Weight 8.71 ozs. (247 gr.)



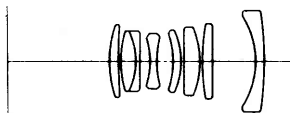
SMC Takumar 28mm f/3.5 *



A new super-wide-angle lens of 7 elements, designed and produced to meet the most exacting of the professional requirements, this is *the* lens you professionals and advanced amateurs need to shoot more artistic photographs. Equipped with fully automatic diaphragm; ideal for architecture, fast-action and *artistic* photography.

Lens element 7
 Minimum aperture f/16
 Minimum distance 1.3 ft. (40 cm)
 Angle of view 75°
 Weight 7.6 ozs. (218 gr.)

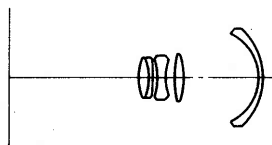
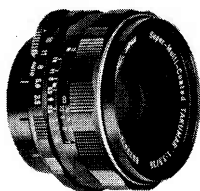
Super-Takumar 35mm f/2 *



One of the fastest wide-angle lenses for 35mm single-lens reflex cameras. Edge-to-edge sharp resolution at full aperture; unique lens design without distortion; perfect for pictures of large groups, buildings, sports events, and other large spectacles.

Lens element 8
 Minimum aperture f/16
 Minimum distance 1.25 ft. (0.4 m)
 Angle of view 62°
 Weight 8.53 ozs. (242 gr.)

SMC Takumar 35mm f/3.5 *



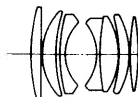
A medium speed lens with extremely high resolving power, this is an excellent general purpose wide-angle optic extremely useful for scenic, industrial, and architectural photography. Compact and light in weight.

Lens element 5
 Minimum aperture f/16
 Minimum distance 1.5 ft. (45 cm)
 Angle of view 62°
 Weight 5.4 ozs. (152 gr.)

SMC Takumar 50mm f/1.4

Newest high-speed 7-element standard lens for Spotmatic II. Super-multi-coated for higher light transmission, it has become a much brighter lens. You get improved contrast and richer colours. No irritating "ghost" images or flare when shooting directly against the light. An ideal all-around lens for colour photography.

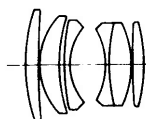
Lens element	7
Minimum aperture	f/16
Minimum distance	1.5 ft. (45 cm)
Angle of view	46°
Weight	8.1 ozs. (230 gr.)



SMC Takumar 55mm f/1.8

Also super-multi-coated standard lens for Spotmatic II, it reduces flare and boosts contrast to a degree far beyond what was previously possible in optical technology. You can get pictures with more detail and richer colours than is possible with any other system at any price. It also features a tougher coating which means the super-multi-coated lenses are more scratch-resistant and durable.

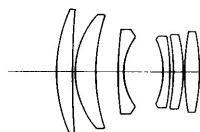
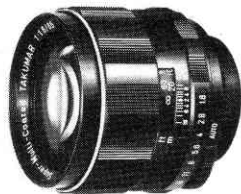
Lens element	6
Minimum aperture	f/16
Minimum distance	1.5 ft. (45 cm)
Angle of view	43°
Weight.....	7.5 ozs. (215 gr.)



SMC Takumar 85mm f/1.8

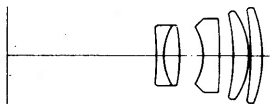
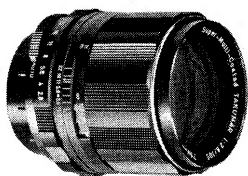
This lens is brighter than the predecessor, 85mm f/1.9 lens, but smaller in size. With a focal length of 85mm, perfect for portraiture, and a maximum aperture of f/1.8, this lens is also very suitable for indoor stage shots and outdoor night photography.

Lens element	6
Minimum aperture	f/16
Minimum distance	0.85 m (2.75 ft.)
Angle of view	29°
Weight	341 gr. (11.9 ozs.)



SMC Takumar 105mm f/2.8

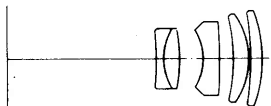
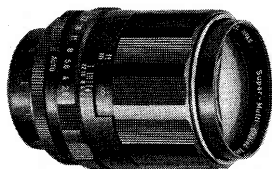
A quality medium telephoto lens of 5 elements, with well corrected aberrations. Light-weight design for portability and easy handling. Recommended for scenery, portrait, news photos and other moderate telephoto effects. Equipped with fully automatic diaphragm; supplied with special lenshood.



Lens element	5
Minimum aperture	f/22
Minimum distance	4 ft. (1.2 m)
Angle of view	23°
Weight	10.2 ozs. (290 gr.)

SMC Takumar 120mm f/2.8

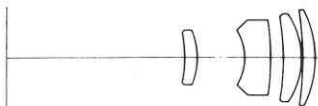
The latest addition to the Super-Multi-Coated Takumar medium telephoto family. So light-weight and compact, this fast lens is most ideal for taking snapshots, portraits and telephoto-graphs.



Lens element	5 in 4 groups
Minimum aperture	f/22
Minimum distance	4 ft. (1.2 m)
Angle of view	20°
Weight	11.9 ozs. (340 gr.)

SMC Takumar 135mm f/3.5

Produces a brilliant image in all corners of the picture even with the diaphragm fully open. Indispensable for distant subject matter and for portrait. Ideal for close-ups of animals or plants even at a distance. Recommended as the ideal long telephoto lens for handheld camera operation. Equipped with fully automatic diaphragm; supplied with special lenshood.

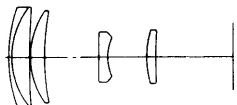
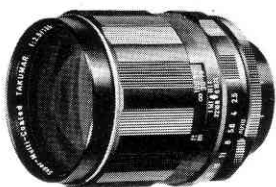


Lens element	4
Minimum aperture	f/22
Minimum distance	5 ft. (1.5 m)
Angle of view	18°
Weight	12.1 ozs. (343 gr.)

SMC Takumar 135mm f/2.5

A faster f/2.5 lens has joined the superb Takumar 135mm lens family. Well balanced, its total length is rather short so it is light in weight. Most suitable for shooting night scenes, stage, indoors, sports and snap portraits. An excellent lens also for colour photography.

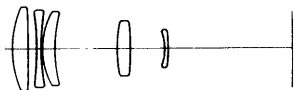
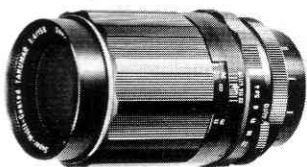
Lens element	5
Minimum aperture	f/22
Minimum distance	5 ft. (1.5 m)
Angle of view	18°
Weight	15.5 ozs. (444 gr.)



SMC Takumar 150mm f/4

This new fully automatic 150mm SMC Takumar with a focal length three times as long as the standard lens has been designed and produced to suit the purpose of photographing subjects requiring an intermediate angle between the 135mm and 200mm lenses. So compact, so light-weight, it looks like a 135mm lens, yet it is only 7mm longer. New-type, all-purpose telephoto lens ... for telephoto snaps, sceneries, sports, news events, stage photographs, nature life, etc.

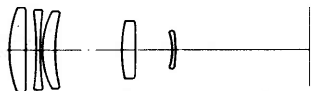
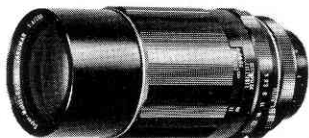
Lens element	5
Minimum aperture	f/22
Minimum distance	6 ft. (1.8 m)
Angle of view	16.5°
Weight	11.3 ozs. (324 gr.)



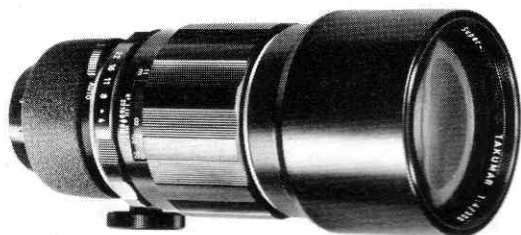
SMC Takumar 200mm f/4

A new member to the superb Takumar telephoto lens family. Equipped with a fully automatic diaphragm. Compact, light, and elegantly designed for fast handleability.

Lens element	5
Minimum aperture	f/22
Minimum distance	8.2 ft. (2.5m)
Angle of view	12.5°
Weight	19.3 ozs. (550 gr.)



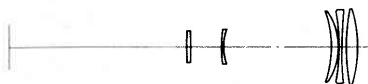
Super-Takumar 300mm f/4



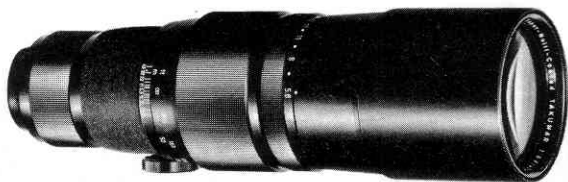
Light enough for hand-held picture taking, this lens is the most ideal for spectacular telephotographic effects. Even with the diaphragm fully open, the aberrations are corrected to the greatest extent possible. Gives needle-sharp resolution to every corner of the picture. Equipped with fully automatic diaphragm; supplied

with special lenshood.

Lens element	5
Minimum aperture	f/22
Minimum distance	18 ft. (5.5m)
Angle of view	8°
Weight	33.1 ozs. (946 gr.)



SMC Takumar 400mm f/5.6



Especially designed for those professionals who specialize in outdoor sports, news and nature-life photography. Because of its f/5.6 aperture, this tele-lens is extremely compact and light for its focal length of 400mm. Also because of its portability, it can be easily hand-held for fast and successive shooting, depending upon the shutter speed to be used. Equipped with click-

stop manual diaphragm; supplied with special lenshood.

Lens element	5
Minimum aperture	f/45
Minimum distance	27 ft. (8 m)
Angle of view	6°
Weight	45 ozs. (1.3 kg.)



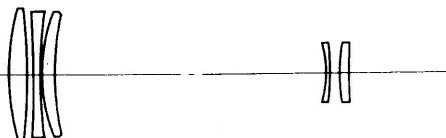
SMC Takumar 500mm f/4.5



Comparatively light and small for its performance, this powerful long-focus lens brings the inaccessible within reach. Its bright f/4.5 image simplifies composition and focusing, and it produces edge-to-edge coverage of high resolution. Equipped with manual diaphragm; supplied with

special lenshood.

Lens element	4
Minimum aperture	f/45
Minimum distance	32.8 ft. (10 m)
Angle of view	5°
Weight	122.5 ozs. (3.5 kg.)



SMC Takumar 1000mm f/8



Photographs subjects which are too far away to be seen by the naked eye. The ultimate in fine optics for the photographer who specializes in news, sports, scientific or wildlife photography. Fast, accurate focusing with manual diaphragm. Furnished with built-on lenshood, rigid

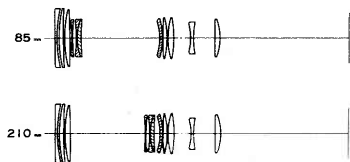
wooden tripod and in wooden cases.

Lens element	5
Minimum aperture	f/45
Minimum distance	98 ft. (30 m)
Angle of view	2.5°
Weight of lens	192.5 ozs. (5.5 kg.)
Weight of tripod	26 lbs. (11.8 kg.)

SMC Takumar-Zoom 85mm~210mm f/4.5

With the new SMC Takumar-Zoom 85~210mm f/4.5, zooming and focusing are done in one action. So you get the kind of speed that's so essential to zoom shooting. With a zoom ratio of 2.5 and focal calibrations of 85, 100, 120, 135, 150, 180, 210, and any point within this range, this one lens takes the place of the most frequently used group of interchangeable lenses. It's compact and lightweight, too. Truly the most versatile lens you can own.

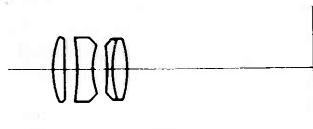
Lens element 11
 Minimum aperture f/22
 Minimum distance 11.5 ft. (3.5m)
 6.24 ft. (1.9m) with attachment
 Angle of view 28° 5'~11° 5'
 Weight 24.86 ozs. (705 gr.)



SMC Macro-Takumar 50mm f/4

The new SMC Macro-Takumar 50mm f/4 lens is equipped with a fully automatic diaphragm to further increase its high performance. The magnification range is from 1/2 to infinity, but by applying the Auto Extension Tubes, you can shoot from life size to infinity. The automatic diaphragm enables you to shoot such difficult subjects as moving insects, while holding your camera and looking through the viewfinder.

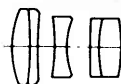
Lens element 4
 Minimum aperture f/22
 Minimum distance 0.77 ft. (0.234 m)
 Angle of view 46°
 Weight 8.74 ozs. (248 gr.)



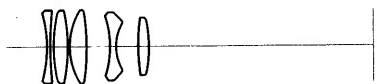
SMC Bellows-Takumar 100mm f/4

Used with the standard Bellows Unit, this short-barrel lens enables you to photograph from life size to infinity. Extremely convenient for close-ups from a distance.

Lens element 5
 Minimum aperture f/22
 Angle of view 24°
 Weight 4.9 ozs. (139 gr.)



Ultra-Achromatic-Takumar 85mm f/4.5



The new Ultra-Achromatic-Takumar 85mm f/4.5 is corrected against chromatic aberration from ultraviolet to infrared wavelength bands. Not only is it a high-resolution lens for visible light photography, but also it gives unmatched optical performance in ultraviolet and infrared photography.

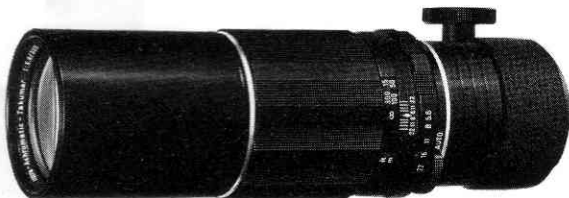
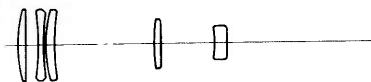
The lens uses no glass; it uses fluorite and quartz. This unique lens answers some of the optical quality and performance problems in ultraviolet and infrared photography. Although it is superb for infrared and visible light photography, its main design emphasis is placed on ultraviolet photography at a close



distance. It is corrected against chromatic aberration from $220m\mu$ to $1000m\mu$, and photographic tests without filters show good results within these wavelength bands.

Lens element	5
Minimum aperture	f/22
Minimum distance	2 ft. (0.6m)
Angle of view	29°
Weight	8.7 ozs. (248 gr.)

Ultra-Achromatic-Takumar 300mm f/5.6



The new Ultra-Achromatic-Takumar 300mm f/5.6 uses glass and fluorite elements to achieve high resolution and extreme chromatic aberration correction over a wide range wavelength. It is corrected against chromatic aberration from $400m\mu$ up to $850m\mu$. The visible portion of the spectrum extends from $400m\mu$ to $700m\mu$. This lens is excellent for telephotography in the visible and infrared portion of the spectrum.

The use of fluorite elements allow a design that is very compact for its focal length and sharp in contrast and definition.

Lens element	5
Minimum aperture	f/22
Minimum distance	16 ft. (4.85m)
Angle of view	8°
Weight	29 ozs. (825 gr.)

SPECIFICATIONS OF TAKUMAR LENSES

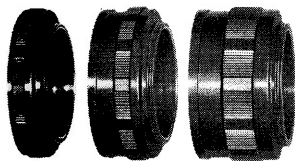
NAME OF LENSES	FOCAL LENGTH & MAXIMUM APERTURE	MINIMUM APERTURE	LENS ELEMENT	DIAPHRAGM	MINIMUM FOCUSING DISTANCE		ANGLE OF VIEW	WEIGHT		FILTER SIZE	LENSHOOD SIZE	LENS CAP SIZE
					m.	ft.		gr.	ozs.			
Fish-Eye Takumar	17mm f/4	22	11	FA	0.2	0.66	180°	228	7.98	61	—	60
Super-Takumar	20mm f/4.5	16	11	FA	0.2	0.65	94	251	8.79	77	58*	60
Super-Takumar	24mm f/3.5	16	9	FA	0.25	0.8	84	247	8.71	58	60*	60
SMC Takumar	28mm f/3.5	16	7	FA	0.4	1.3	75	218	7.6	49	51*	51
Super-Takumar	35mm f/2	16	8	FA	0.4	1.25	62	242	8.53	49	49*	51
SMC Takumar	35mm f/3.5	16	5	FA	0.45	1.5	62	152	5.4	49	49	51
SMC Takumar	50mm f/1.4	16	7	FA	0.45	1.5	46	230	8.1	49	49	51
SMC Macro-Takumar	50mm f/4	22	4	FA	0.234	0.77	46	248	8.74	49	—	51
Super-Takumar	55mm f/2 ②	16	6	FA	0.45	1.5	43	215	7.5	49	49	51
SMC Takumar	55mm f/1.8	16	6	FA	0.45	1.5	43	215	7.5	49	49	51
SMC Takumar-Zoom	85-210mm f/4.5	22	11	FA	3.5	12	11-29	705	24.9	58	58	60
SMC Takumar	85mm f/1.8	16	6	FA	0.85	2.75	29	341	11.9	58	58*	60
SMC Bellows-Takumar	100mm f/4	22	5	PS	—	—	24	139	4.9	49	49*	51
SMC Takumar	105mm f/2.8	22	5	FA	1.2	4	23	290	10.2	49	49*	51
SMC Takumar	120mm f/2.8	22	5	FA	1.2	4	20	340	11.9	49	49*	51
SMC Takumar	135mm f/3.5	22	4	FA	1.5	5	18	343	12.1	49	49*	51
SMC Takumar	135mm f/2.5	22	5	FA	1.5	5	18	444	15.5	58	58*	60
SMC Takumar	150mm f/4	22	5	FA	1.8	6	16.5	324	11.3	49	49*	51
SMC Takumar	200mm f/4	22	5	FA	2.5	8.2	12.5	550	19.3	58	58*	60
Super-Takumar	300mm f/4	22	5	FA	5.5	18	8	946	33.1	77	*	85
SMC Takumar	400mm f/5.6	45	5	M	8	27	6	1300	45	77	*	85
SMC Takumar	500mm f/4.5	45	4	M	10	32.8	5	3500	122.5	49	*	127
SMC Takumar	1000mm f/8 ③	45	5	M	30	98	2.5	5500	192.5	49	*	143
UA Takumar	85mm f/4.5	22	5	FA	0.6	2	29	248	8.7	49	49	51
UA Takumar	300mm f/5.6	22	5	FA	4.85	16	8	825	29.1	58	*	65

All these lenses fit any Pentax model which has a 42mm threaded lens mount.
 BI=3 filters built-in. M=Manual. FA=Fully Automatic. PS=Preset. SMC=Super-Multi-Coated.
 UA=Ultra-Achromatic. ①=Diagonal coverage. ②=Supplied only with SP 500 body as its standard lens. ③=Supplied with wooden tripod and carrying cases. All lenses, including standard lenses purchased separately, are supplied with leather case, straps, front and rear caps. All filters and lenshoods are screw-in type unless otherwise indicated. (*Lenshood supplied with lens. *Clip-on type)

Complete System of Asahi Pentax Accessories for Close-Ups, Macrophotography, Photomicrography, and other Miscellaneous Accessories

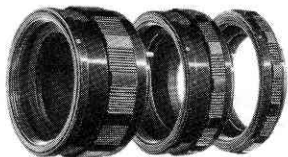
● EXTENSION TUBE SET

A set of 3 rings, #1, #2 and #3 of 9.5mm, 19mm and 28.5mm respectively. They may be used singly or in combination as desired. When all three are used simultaneously with the 55mm Super-Takumar lens, the subject is enlarged on film to a magnification of 1.17 life size.



● AUTO-EXTENSION TUBE SET

New extension tube set of 3 rings, 9.5mm (#1), 19mm (#2) and 28.5mm (#3), with coupled automatic diaphragm release pins. Mounted singly or in combination between an Asahi Pentax and a 55mm automatic diaphragm lens, this set of Auto Extension Tubes permits focusing at magnification from $1.17\times$ to $0.17\times$ and operation of the automatic diaphragm.



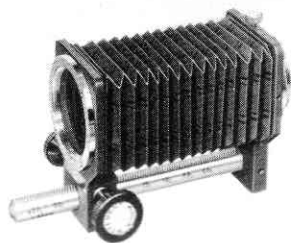
● HELICOID EXTENSION TUBE

Like the lens helicoid, the new Asahi Pentax Helicoid Extension Tube extends from 16.8mm to 30.6mm. It serves the purposes of the Asahi Pentax Extension Tubes #2 and #3. Mounted between an Asahi Pentax and a 55mm lens, it permits photography at magnification from $0.30\times$ to $0.7\times$. It is extremely versatile variable extension ring.



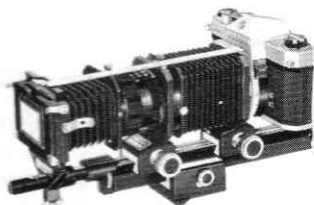
● BELLOWS UNIT I

Extremely flexible for ultra-close-up photography, the Bellows Unit I permits use of the camera's own lens. Provided with a special precision-calibrated gear shaft for reading continuous magnification from 0.62 to 2.45 with the standard 55mm lens.

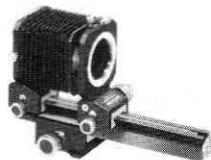


● AUTO BELLOWS & SLIDE COPIER

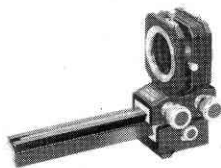
The Asahi Pentax Auto-Bellows is a highly flexible close-up and macro-photographic instrument. The bellows extension is longer than the extension of the standard Bellows Unit. The Auto-Bellows is more versatile. With the double cable release supplied with the Auto-Bellows, you release the shutter and activate the automatic diaphragm simultaneously if you use a fully-automatic diaphragm lens. With its lens reverse system, you can use a lens in reversed position for higher macro resolution.



The geared rail of the Auto-Bellows is meticulously engineered with high precision. The freely movable tripod seat underneath the rail rod maintains the whole equipment on tripod in complete balance. Micro-action extension knobs are equipped on the camera body and lens sides for precise bellows extension.



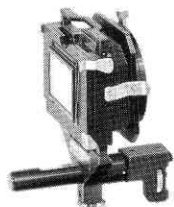
The Slide Copier attaches to the front end of the Auto-Bellows for easy duplication of color films.



With the Bellows-Takumar 100mm f/4 lens, you can photograph from $1.32\times$ magnification to infinity (∞). You easily obtain high magnification with a 28mm to 35mm lens. By adding the standard Bellows Unit or Extension Tubes to the front or back of the Auto-Bellows, you can reach $10\times$ to $20\times$ magnification.



The Asahi Pentax Auto-Bellows is a precisely designed close-up and macro equipment for professional photographers, research workers, scientists and specialists in close-up and macro works.



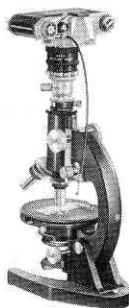
● REVERSE ADAPTER

This allows 50mm or 55mm Takumar lenses to be used on bellows or extension tubes in reverse position for better macrophotographic results.



● MICROSCOPE ADAPTER

Fitting between the Asahi Pentax camera body and the microscope tube, this adapter permits utilization of the microscope's optics in place of the camera's lens. It may be used with any microscope which has a tube of 25mm diameter. Complete set consists of an adapter tube, fastening knob, light sealing tube, and stopper.

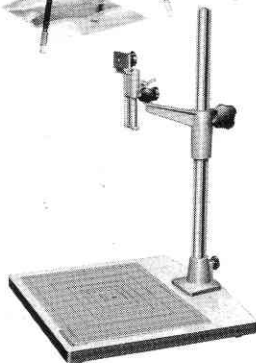


● COIPOD

Light-weight, but extremely rigid and sturdy. This portable copying tube fits all models of the Asahi Pentax and can be used anywhere for copying documents, artwork, stamps, etc. Consists of a lens board complete with adapter rings for 46mm and 49mm lenses, and four calibrated telescoping legs. Sets up easily in seconds and is quickly disassembled. Supplied in small black pouch for storage or carrying convenience.

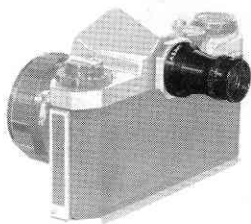


● COPY STAND



● CLIP-ON MAGNIFIER

For added convenience in critical focusing for close-ups, copying, macro-photography, etc. This can be easily attached to the slotted frame of the viewfinder of your Asahi Pentax and enlarges your viewing image $2\times$.



● CLOSE-UP LENS

Ground and polished to the superb Takumar lens standards and has screw-in mount for lenses of 49mm thread. Magnification of 0.32 to 0.15 with the 55mm SMC Takumar lens.



● RIGHT ANGLE FINDER

Attaches quickly and easily to the viewfinder of all Asahi Pentax models. Designed for added convenience in low angle and close-up photography, photomicrography, etc.



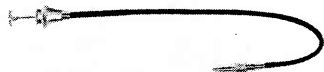
● MIRROR ADAPTER

An interesting adapter for detective photographers, this allows you to take photographs by NOT pointing your camera and lens to your subjects. Fits the Takumar 200mm f/3.5, Super-Takumar or SMC Takumar 200mm f/4 and Tele-Takumar 300mm f/6.3 lenses only.



● CABLE RELEASE

With floating collar, thread mounting and locking screw for time exposure.



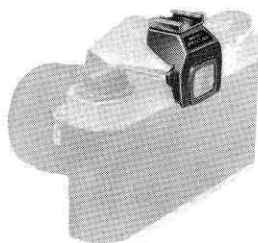
● FILTERS AND LENSHOODS

Asahi Pentax lenshoods are recommended for use whenever possible to guard against off-angle light which will cause flare in your pictures. (All Takumar lenses from 85mm up to 1000mm are supplied with a special lenshood.) Improve your picture quality by using the Asahi Pentax filters that are precision-ground, polished and coated for your Asahi Pentax.



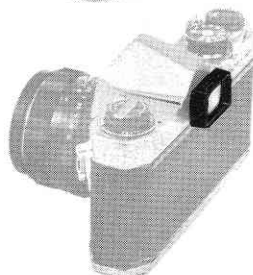
● ACCESSORY CLIP II

Deluxe type, precision-made accessory clip model II fits the viewfinder frame of Asahi Pentax cameras.



● CORRECTION LENS ADAPTER

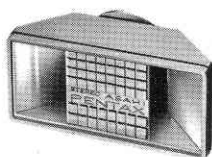
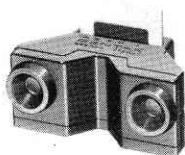
A clip-on eyepiece for prescription lens (*eyepiece only*). Also a convenient eye-cup for everyday photography.



● STEREO ADAPTER SET

The new Asahi Pentax Stereo Adapter consists of a stereo adapter and a viewer. The adapter is for taking stereo pictures (reversal colour pictures) and the viewer is for viewing stereo colour slides. The Stereo Adapter fits the front frame of the Takumar 55mm lens. The screw of the Stereo Adapter fastens itself onto the front frame of the lens after it is positioned in parallel with the camera body. Since the Stereo Adapter reduces the amount of light coming through the taking lens aperture, the diaphragm should be opened by a half f/stop for optimum exposure.

The new Asahi Pentax Stereo Adapter is valuable accessory for making stereo pictures of "ikebana," hair dressing, architecture, sculpture, etc.



● FILM MAGAZINE

For bulk film loading.



● SHORT SOFT CASE

Especially designed soft case without a nose for the lens. This allows you to take pictures with the camera in the case for quieter operation.

For use with SV and S1a only



● SOFT CASE JUMBO FRONT

Jumbo-size front for the soft camera case to contain an Asahi Pentax with a 135mm, 105 mm or 85mm telephoto lens.



● GADGET BAG

A deluxe Asahi Pentax Gadget Bag for an assortment of Asahi Pentax camera, lenses and accessories with inside partition and strong shoulder strap and front clasp.



● LEATHER CASE FOR STANDARD LENSES

When the standard Takumar lens is removed from your Asahi Pentax camera body, protect it in this leather case, available as a separate accessory.



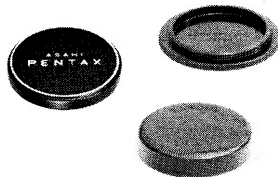
● ASAHI MOUNT ADAPTER

For use of Asahiflex-mount Takumar lenses with your Asahi Pentax camera body.



● MISCELLANEOUS CAPS

Front and rear lens caps, and Asahi Pentax body mount cap are also available.

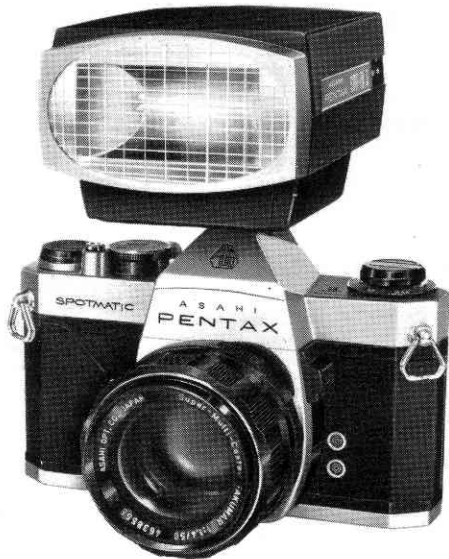


Super-Lite II Electronic Flash

The Asahi Pentax Super-Lite II is a compact easy-to-operate electronic flash unit produced with the same engineering skill that perfects the Asahi Pentax System of Photography. Light and compact, it simply attaches to your Asahi Pentax camera.

- The angle of light distribution of most flash guns is designed to match the angle of standard lenses. The Super-Lite II is one of the widest-angle electronic flash units on the market today. Because of the specially designed curvature of the reflector, its angle of light distribution practically covers the angle of a 28mm super-wide-angle lens.
- The Super-Lite II has a unique automatic light output stabilizer. The light output of many other electronic flash units considerably decreases as you keep flashing the units. This means you will have to open up your lens aperture. The light output of some units goes down to as much as one f/stop extent after 40 flashes. The light output stabilizer of the Super-Lite II constantly maintains its output at its maximum at each flash.
- The Super-Lite II also operates on AC, powered by the AC Power Pack accessory.
- The circuitry of the Super-Lite II is designed for economical power consumption. Pen-light batteries are inexpensive – and you will not waste the battery power.
- The 1/2000 second flash duration of the Super-Lite II is so short, you may capture practically anything you may like to photograph.
- The recycling time (time interval between each flash) is short. You will be ready to follow fast actions if you act fast.

The Asahi Pentax Super-Lite II is a highly versatile electronic flash for Asahi Pentax enthusiasts—as ordinary flash — as bounce flash — as fill-in flash (when photographing back-lighted subjects.)



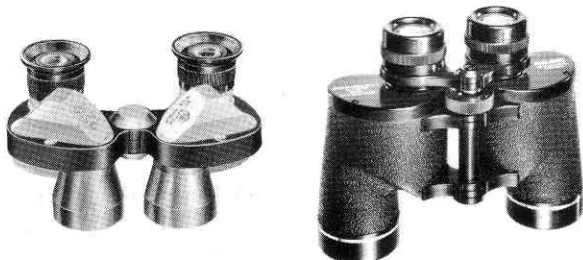
Spotmeter III



Selective exposure photography ... the most advanced concept in reflected light meters. The Spotmeter III utilizes an optical reflect system which gives a 21° angle of view on the ground glass screen. In the centre of this viewing screen is a 1° circle which represents the angle covered by the meter's CdS sensing element. For this reason, it is extremely selective, permitting precise exposure reading at longer distances, and gives greater control over exposure problems. Light intensity is read directly from engraved scales on the viewing lens. For dark area reading, a scale illuminator glows when the button is depressed. Exposure is calculated easily by turning movable scales on the side of the meter. The Spotmeter III is also equipped with an IRE (Institute of Radio Engineers) scale, which is especially useful for television filming and other special readings.

ASAHI PENTAX Prism Binoculars

The unique coated interference filter of the Asahi Pentax prism binoculars, another achievement of the Asahi Pentax engineering, eliminates ultraviolet and infrared rays which may be harmful to the eyes.



	Magnification	Diameter of Objective Lens	Diameter of Exit Pupil	Angle of View	Relative Brightness	Field of View at 1000 yds	Weight	Height and Width
6×, 15	6×	15mm	2.5mm	7.5°	6	120m	6.0 oz. (170 g)	2½" × 3⅛" (6.4 cm × 9.1 cm)
6×, 25 (Wide Angle)	6×	25mm	4.2mm	11.0°	17	176m	16.2 oz. (459 g)	2¾" × 4⅞" (6.7 cm × 11.1 cm)
6×, 30	6×	30mm	5.0mm	7.5°	25	120m	18.3 oz. (519 g)	4¾" × 6⅞" (11.8 cm × 16.9 cm)
8×, 30	8×	30mm	3.7mm	7.5°	14	120m	18.3 oz. (519 g)	4¾" × 6⅞" (11.1 cm × 16.9 cm)
8×, 40 (Wide Angle)	8×	40mm	5.0mm	9.5°	25	150m	28.3 oz. (802 g)	5⅝" × 7⅞" (14.4 cm × 18.2 cm)
7×, 35	7×	35mm	5.0mm	7.0° (B.L.) 6.5°	25	112m	24.3 oz. (689 g)	5⅝" × 6¾" (13.0 cm × 17.1 cm)
7×, 35 (Wide Angle)	7×	35mm	5.0mm	11.0°	25	176m	28.3 oz. (802 g)	4⅞" × 7⅞" (12.4 cm × 18.2 cm)
7×, 50	7×	50mm	7.1mm	7.1°	51	113m	38.8 oz. (1100 g)	7" × 8" (17.8 cm × 22.0 cm)
10×, 50	10×	50mm	5.0mm	5.5°	25	88m	35.8 oz. (1015 g)	6⅞" × 8" (17.3 cm × 22.0 cm)
12×, 50	12×	50mm	4.2mm	5.5°	17	88m	35.8 oz. (1015 g)	6⅞" × 8" (17.3 cm × 22.0 cm)
16×, 50	16×	50mm	3.1mm	4.0°	10	64m	35.8 oz. (1015 g)	6⅞" × 8" (17.3 cm × 22.0 cm)

ASAHI **PENTAX** Telescopes

The superb Asahi Pentax telescopes, also designed and produced by the Asahi Pentax engineering group, are available in the following sizes:

30X, 40mm telescope, in white or black finish, with tripod. 50X, 50mm telescope, in grey finish, with sun glass and tripod. 60mm astronomical telescope with micro-moving attachment, 4X finder, 4 eyepieces (6mm, 9mm, 12.5mm and 20mm), erecting and diagonal prisms, sun glass, wooden tripod and carrying case.



GUIDE BOOK FOR ASAHI PENTAX SYSTEM OF PHOTOGRAPHY

The operating manual for the Asahi Pentax cameras is merely an instruction book for the proper care and operation of the Asahi Pentax cameras. It does not, and can not, deal fully with every possible application of the Asahi Pentax System of Photography because those applications are almost limitless.

The following book is therefore recommended to those amateurs who are eager to learn more about the Asahi Pentax System of Photography and photographic technique in general. It is available in English, German and Italian languages, and each can be obtained from your photo dealers or directly from the publishers listed on the next page.

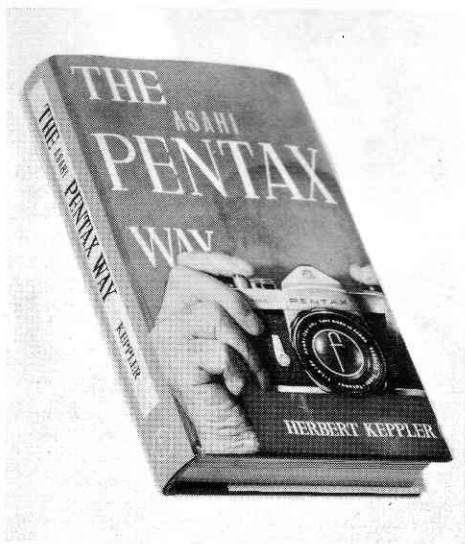
THE ASAHI PENTAX WAY by Herbert Keppler

Herbert Keppler has been associated with the U.S. photographic magazine *Modern Photography* for over 15 years as its editor and publisher. His column devoted exclusively to single-lens reflex cameras and photography is very famous throughout the world. He is well known for his objective outlook on all things photographic and for his healthy mistrust of any theory

that he has not tried out in practice. He has no interest in pushing the products of any particular manufacturer and brings to the Asahi Pentax Way a knowledgeable, independent and unprejudiced outlook.

This comprehensive book of 352 pages, containing 8 full-colour and 48 black-and-white picture pages, deals mainly with the following subjects:

OPERATION AND TECHNIQUE:
action, aperture, artificial light, camera care, carrying, choosing



films, close-ups, copying, depth of field, developers, exposure, exposure meter, films, film speed, filters, flash, focal length, focusing, holding, lighting, loading, long-range work, monocular, multiple flash, perspective, printing, shooting, slide projection, Spotmatic operation, storing negatives, telescope, tripod, unloading, viewing.

ACCESSORIES: accessory clip, bellows unit, body cover, cable release, cassettes, close-up lenses, copying unit, exposure meters, extension tubes, focusing magnifier, Leica adapter, lens cap, lenses, microscope adapter, prescription eyepiece, right-angle finder, slide copier, SPOT exposure meter.

ASAHI PENTAX SUBJECTS: animals, architecture, birds, candid, cinema, fireworks, flowers, groups, lights, low light, nature, night, portraits, scenics, sport, television, theatre, travel, under water, wildlife.

FINDING DATA: close-up exposure, colour temperature, depth of field, extension bellows, extension tubes, feet-metre conversion, films, film speed conversion, filters, filter equivalents, filters for colour film flash.

English edition:	Focal Press Ltd. 31 Fitzroy Square, London, W1, U.K.
German edition:	Verlag Die Schönen Bücher Dr. Wolf Strache, 7000 Stuttgart 1, Postfach 1124, WEST GERMANY
Italian edition:	Fotografare Via Macalle 2, Rome 00199, ITALY
Spanish edition:	Ediciones Omega, S.A. Casanova, 220-Barcelona SPAIN

CAUTION

Mercury Battery

The mercury battery should be kept dry and clean. Don't touch it with your finger unnecessarily. Before inserting it into its housing, wipe its surface completely with a dry piece of cloth. To prevent rapid deterioration, don't try to measure the short current or to charge the battery. Don't throw a used battery into fire ... it may explode. If a mercury battery is put into a mouth, it causes serious gripes or stomach inflammation. Always keep the battery from the reach of small children. When you do not intend to use the battery for sometime, keep it out of its housing.

ASAHI OPTICAL CO., LTD.

C.P.O. 895, Tokyo, 100-91, JAPAN

ASAHI OPTICAL EUROPE S.A.

Freight Bldg., Brussels National Airport, 1930 Zaventem, BELGIUM

ASAHI OPTICAL EUROPE S.A.

HAMBURG OFFICE

2000 Hamburg 50, Koenigstrasse 28, WEST GERMANY

ASAHI OPTICAL (AMERICA) INC.

31 East 28th Street, New York, New York 10016, U.S.A.

ASAHI OPTICAL BRASILEIRA IND. E COM. LTDA.

Cx. Postal 7839—São Paulo, BRASIL