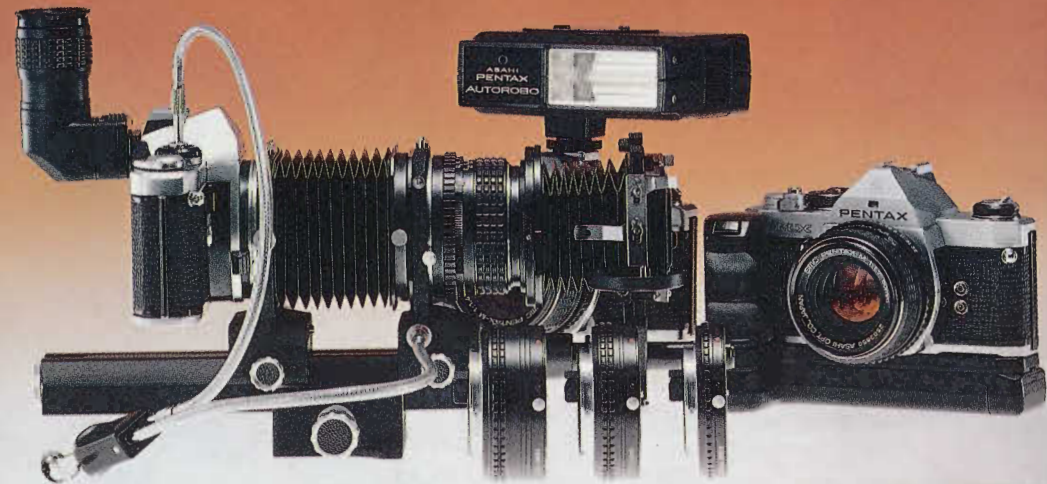




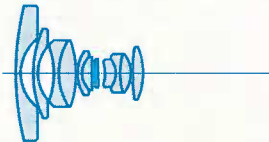
ASAHI OPTICAL CO., LTD. C.P.O. 895, Tokyo 100-91, JAPAN
ASAHI OPTICAL EUROPE N.V. Weveldlaan 3-5, 1930 Zaventem, BELGIUM
ASAHI OPTICAL EUROPE N.V. (Deutschland-Niederlassung) 2000 Hamburg 54 (Lokstedt), Grandweg 64, WEST GERMANY
ASAHI OPTICAL BRASILEIRA IND. E COM. LTDA. Rua Estados Unidos, 1053, São Paulo-SP, BRASIL
PENTAX CORPORATION No. 9 Inverness Drive East, Englewood, Colorado 80110, U.S.A.



ASAHI **PENTAX** LENSES AND ACCESSORIES



FISH-EYE LENS



SMC PENTAX FISH-EYE 17mm f/4

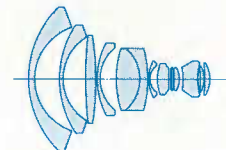
The world's most efficient fish-eye lens with a maximum brightness of f/4. The angle of view is approx. 180°, enabling you to view and focus through the viewfinder without locking the reflex mirror up.



ULTRA-WIDE-ANGLE LENSES

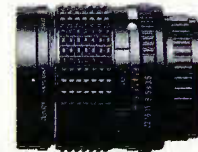
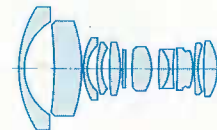
SMC PENTAX 15mm f/3.5

This is an ultra-wide-angle lens with a 111° diagonal field of view and a 100.5° horizontal field of view. An angle of view so large that it will encompass the tallest building or engulf a sweeping landscape. All traces of distortion, even at the edges, have been virtually eliminated, because of its unique optical design. In addition to a colorless filter, there are four built-in filters: UV, Skylight, Y2, O2.

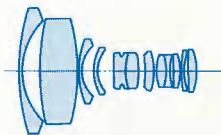


SMC PENTAX 18mm f/3.5

This lens lies between the SMC Pentax 15mm f/3.5 and 20mm f/4 ultra-wide-angle lenses in order of focal length. Compared to the 20mm f/4 ultra-wide, the 18mm f/3.5 offers additional lens speed (f/3.5 vs f/4), greater coverage (100° vs 94°), and four built-in filters. In addition to the built-in filters, the 18mm f/3.5 has provision to accept gelatin filters at the rear of the lens, which is not feasible on the 15mm f/3.5 because of its protruding rear element.



ULTRA-WIDE-ANGLE LENSES

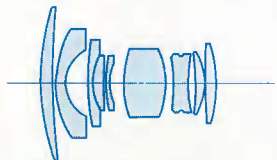


SMC PENTAX 20mm f/4

Relatively compact ultra-wide-angle lens, with a 58mm screw-in filter diameter. Useful for almost every kind of wide-angle photography, especially when photographing sweeping landscapes and towering structures, or when desiring extensive depth of field.

SMC PENTAX 24mm f/2.8

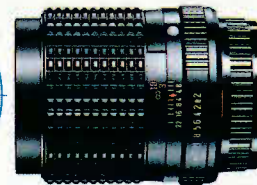
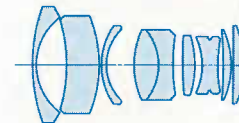
This 24mm optic offers a maximum aperture of f/2.8, which not only makes available-light photography more accessible to the photographer, but also simplifies focusing because of the shallower depth-of-field and brighter image. Moreover, despite its large maximum aperture, it weighs about the same as the standard SMC Pentax-M 50mm lens.



WIDE-ANGLE LENSES

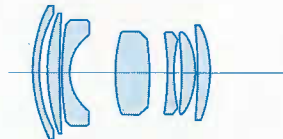
SMC PENTAX 28mm f/2

This lens utilizes a deluxe lens construction of 9 elements in 8 groups, including a floating group of elements to completely eliminate aberrations. Thus, both outstanding performance and high speed are characteristics of this lens.



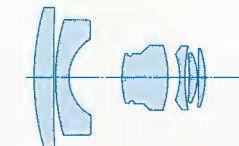
SMC PENTAX-M 28mm f/2.8

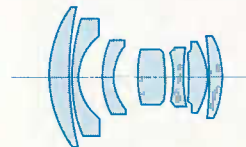
The ideal wide-angle lens for the photographer for whom light weight and compactness are of prime importance. At 156g it is the second lightest in weight and shares the same 49mm filter size as the SMC Pentax-M standard lenses.



SMC PENTAX-M 28mm f/3.5

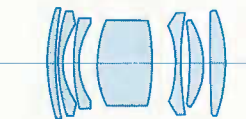
Its wide angle of view (75°), outstanding optical performance, compact size, and moderate price make this wide-angle lens extremely appealing. It is virtually the same in size and weight as the compact SMC Pentax-M 50mm f/1.7 standard lens and shares the same 49mm filter size. Boasting a new lens construction of 6 elements in 6 groups, this new optic attains new heights in resolution and contrast, making it an ideal general purpose wide-angle lens.





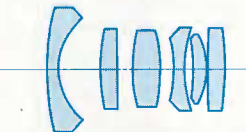
SMC PENTAX 30mm f/2.8

The perfect solution for those trying to choose between the 35 and 28mm focal lengths, as it lies between the two, making an excellent compromise. Other attractive features include light weight and ample (f/2.8) lens speed.



SMC PENTAX-M 35mm f/2

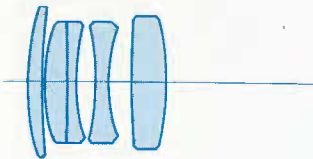
A masterpiece in optical design, because it retains the same lens speed and superb optical performance of its predecessor, the SMC Pentax 35mm f/2, which was 33% greater in length, 36% greater in weight, and used 52mm filters instead of 49mm.



SMC PENTAX-M 35mm f/2.8

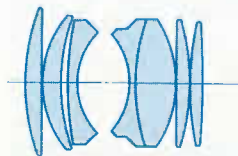
For those not requiring the one stop additional speed offered by the 35mm f/2 model, the SMC Pentax-M 35mm f/2.8 will be found very attractive, as it is approximately 20% lighter in weight and, needless to add, more attractively priced.





SMC PENTAX-M 40mm f/2.8

The incredible standard lens everyone is speaking about. A mere 18mm in depth and 110g in weight, it represents the ultimate in compactness. Moreover, offering 10° more coverage than a 50mm lens, it is extremely versatile.

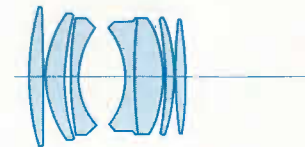


SMC PENTAX 50mm f/1.2

A superlative standard lens, created out of Asahi Pentax's rich experience in the field of optical technology. Excellent in contrast and resolution, and suited for almost all picture-taking needs.

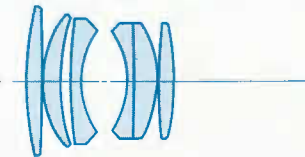
SMC PENTAX-M 50mm f/1.4

Designed in keeping with the compactness of the Pentax ME and MX cameras, this high speed standard lens weighs approximately 20% less than most other lenses of similar focal length and lens speed, and is one of the very few accepting 49mm filters.

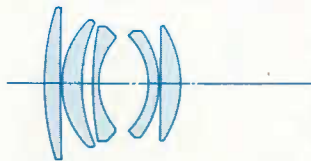


SMC PENTAX-M 50mm f/1.7

An excellent choice for those seeking both compactness and high speed combined in a single lens. It is more than a full stop faster than the SMC Pentax-M 40mm f/2.8 lens, as well as 16% shorter and 20% lighter than the SMC Pentax-M 50mm f/1.4 lens.



STANDARD LENSES

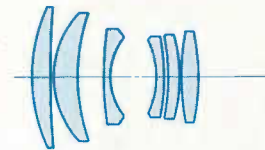


SMC PENTAX-M 50mm f/2
Slightly longer in focal length than the 40mm standard lens, this lens offers more pleasing perspective for portraiture. Additionally, it is "fast" enough for use in dim light without the need of flash.

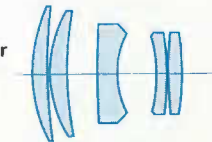


TELEPHOTO LENSES

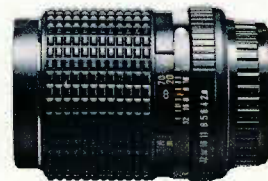
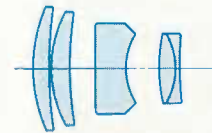
SMC PENTAX 85mm f/1.8
Creates a soft-focus effect in the areas just beyond the depth-of-field. Ideal for portraiture, indoors or out. The moderate distance required between the photographer and the subject makes this lens particularly excellent for pictures of children, animals, night time street scenes, illuminated buildings, and for theater and ceremonial pictures.

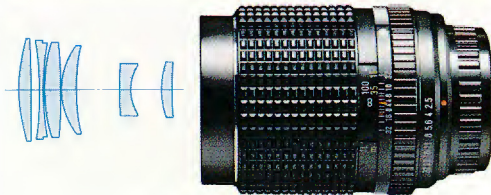


SMC PENTAX-M 100mm f/2.8
Although this lens is 15mm longer in focal length than the 85mm f/1.8, it is physically 1/2 millimeter shorter in length and weighs 32% less, making it an ideal telephoto lens. Moreover, it shares the 49mm filter size of the SMC Pentax-M standard lenses.

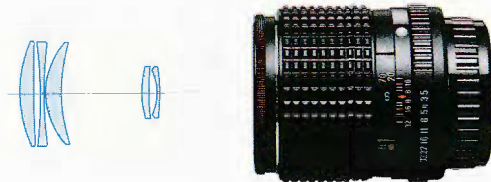


SMC PENTAX 120mm f/2.8
Extremely versatile, light-weight and compactly designed. Useful for snapshots, portraiture and other kinds of telephotography.

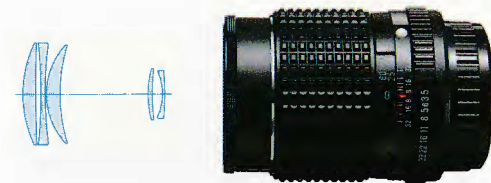


**SMC PENTAX 135mm f/2.5**

One of the fastest of the SMC Pentax telephoto lenses. Well-balanced and lightweight with an unusually short lens barrel. Ideal for night scenes, theater shooting, sports and snapshot portraits. Highly effective for color photography.

**SMC PENTAX-M 135mm f/3.5**

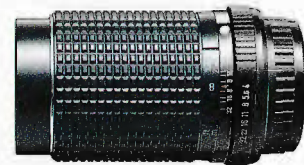
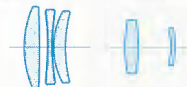
Here is a lens that offers 2.7x greater magnification than the SMC Pentax-M 50mm f/1.4 lens and yet weighs only 13% more. It is ideal for all applications of telephotography: portraiture, wildlife, sports, and candid photography.

**SMC PENTAX-M 150mm f/3.5**

21mm shorter and 50g lighter than its highly popular predecessor, this new, compact 150mm lens weighs less than the standard SMC Pentax 50mm f/1.2 lens while offering 3x magnification. You will find this handholdable telephoto lens the ideal solution for following action, as well as useful for candid photography, portraiture, and "close-ups" of distant subjects. Moreover, while its size has been reduced, the already outstanding optical performance of the previous model has been further enhanced in the compact SMC Pentax-M 150mm f/3.5 telephoto lens.

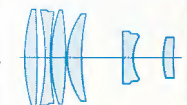
SMC PENTAX 150mm f/4

Having three times the focal length of the standard lens, this lens is particularly suitable for shooting subjects which require an intermediate angle between the 135mm and 200mm lenses. Compact and lightweight, this lens looks and handles like a 135mm lens, and is only 7mm longer. Excellent for candid shots, scenics, sports, news events, stage performances, nature, etc.

**SMC PENTAX 200mm f/2.5**

In testimony of its role as a leader in the field of optics and ever mindful of the needs of the professional photographer, Asahi Optical has introduced the first 200 lens with an f/2.5 maximum aperture. This ultra high-speed telephoto lens is well suited for available light photography, such as at indoor and nighttime sporting events.

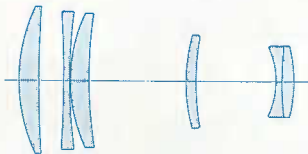
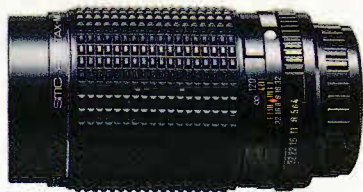
Even when used wide-open, its 6 element, 6-group optical design ensures high contrast and definition, as well as attractive out-of-focus highlights.



TELEPHOTO LENSES

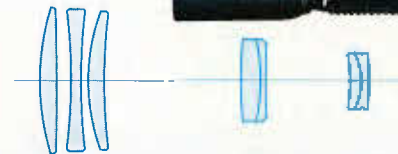
SMC PENTAX-M 200mm f/4

It is easy to smash the distance barrier when you are working with this 4x magnification telephoto lens. Furthermore, the shallow depth of field automatically isolates your subject from a distracting background.



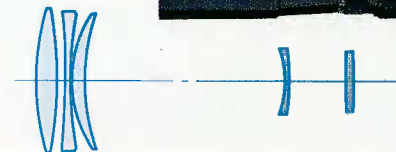
SMC PENTAX 300mm f/4

Light enough for handheld shooting, this lens provides spectacular telephotographic effects. Even with the diaphragm fully open, aberrations are reduced to a minimum. Gives needle-sharp resolution to every picture.

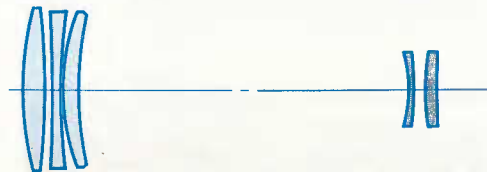
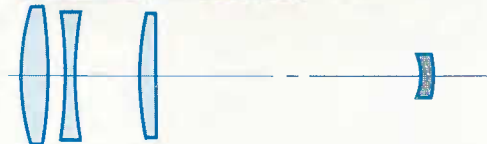


SMC PENTAX 400mm f/5.6

Ideal for professionals, especially for outdoor sports, news and night-life photography. For a lens with a focal length of 400mm, it is extremely compact and light in weight.



ULTRA-TELEPHOTO LENSES



SMC PENTAX 500mm f/4.5

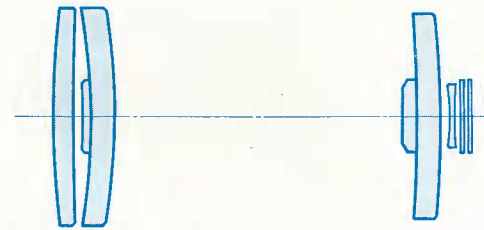
Compact and lightweight for such a high-performance lens, this powerful long-focus lens brings the inaccessible within reach. The image is bright enough to make composing and focusing easy, and produces edge-to-edge coverage with very high resolution.

SMC PENTAX 1000mm f/8

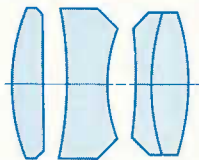
Pulls in subjects which are too far away even to be seen by the naked eye. The ultimate in fine optics for the photographer who specializes in news, sports, scientific and wildlife photography. Fast, accurate focusing with manual diaphragm. Furnished with built-on lenshood and rigid wooden tripod.

SMC PENTAX REFLEX 1000mm f/11

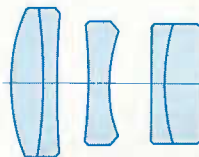
The Reflex 1000mm f/11 is approximately 1/3 that of the SMC Pentax 1000mm f/8 in length, and less than half of it in weight. In addition to its highly welcome portability, this new reflex optic focuses down to 8m, equalling the minimum focusing distance of most 400mm lenses while offering 2.5x additional magnification.



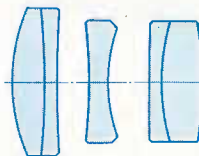
MACROPHOTOGRAPHIC LENSES



SMC PENTAX-M MACRO 50mm f/4
Designed chiefly for excellence in macrophotographic work, this highly versatile lens can also be used as a standard focal length lens. In combination with a Reverse Adaptor K, it can also provide greater-than-life-size magnification.



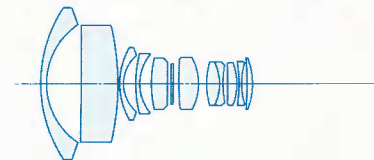
SMC PENTAX M MACRO 100mm f/4
Suitable for close-up and macrophotography, as well as normal shooting. Especially useful for shooting nature pictures, for reproduction work and for portraiture. Because of its longer focal length, this lens provides greater magnification than the Macro 50mm f/4.



SMC PENTAX BELLOWS 100mm f/4
This compact and lightweight lens and a Pentax Bellows unit K is all you need to be prepared for all types of nature studies. Whether it is a blackbird perched on a tree, a pine cone dangling from a branch, or an insect basking in the sun, they are all within your grasp, as the SMC Pentax Bellows 100mm f/4 offers uninterrupted focusing from infinity to greater than life-size.

SHIFT LENS

SMC PENTAX SHIFT 28mm f/3.5
A problem constantly plaguing photographers, especially in architectural photography, is that of converging lines. This lens is the intelligent solution to the above dilemma. More than merely a solution, it serves as creative tool. For one always has a choice of correcting, not correcting, or overcorrecting to achieve the most attractive, dynamic, or creative effect. And because the shifting movement is continuously variable, any in-between setting may be used to accomplish the perfect effect.



● Type	● Name of Lens	● Minimum Aperture		● Angle of View (Degrees)	● Lens Construction (Groups-Elements)	● Diaphragm	● Minimum Focusing Distance		● Maximum Diameter & Length (mm x mm)	● Weight		● Filter Size (mm)
		● m.	● ft.				● m.	● ft.		● gr.	● oz.	
Fish-eye	SMC Pentax Fish-Eye 17mm f/4	22	180	7-11	FA		0.2	0.66	64.5 x 34	234	8.19	BI
Ultra-wide-angle	SMC Pentax 15mm f/3.5	22	111	12-13	FA		0.3	1.0	80 x 81.5	550	19.25	BI
	SMC Pentax 18mm f/3.5	22	100	11-12	FA		0.25	0.79	63 x 61.5	328	11.48	BI
	SMC Pentax 20mm f/4	22	94	10-12	FA		0.25	0.8	63 x 57	300	10.5	58
	SMC Pentax 24mm f/2.8	22	84	8-9	FA		0.25	0.79	63 x 41.5	194	6.79	52
	SMC Pentax 28mm f/2	22	75	8-9	FA		0.30	1.0	62.5 x 69	423	14.8	52
Wide-angle	● SMC Pentax-M 28mm f/2.8	22	75	7-7	FA		0.30	1.0	63 x 31	156	5.50	49
	● SMC Pentax-M 28mm f/3.5	22	75	6-6	FA		0.30	1.0	63 x 31.5	180	6.35	49
	SMC Pentax 30mm f/2.8	22	72	7-7	FA		0.30	1.0	63 x 39.5	215	7.52	52
	● SMC Pentax-M 35mm f/2	22	62	7-7	FA		0.30	1.0	63 x 42	205	7.18	49
	● SMC Pentax-M 35mm f/2.8	22	62	6-6	FA		0.30	1.0	63 x 35.5	174	6.14	49
Standard	● SMC Pentax-M 40mm f/2.8	22	56	4-5	FA		0.60	2.0	63 x 18	110	3.88	49
	SMC Pentax 50mm f/1.2	22	46	6-7	FA		0.45	1.5	65 x 48.5	385	13.48	52
	● SMC Pentax-M 50mm f/1.4	22	46	6-7	FA		0.45	1.5	63 x 37	238	8.4	49
	● SMC Pentax-M 50mm f/1.7	22	46	5-6	FA		0.45	1.5	63 x 31	185	6.53	49
	● SMC Pentax-M 50mm f/2	22	46	5-5	FA		0.45	1.5	63 x 31	170	6.0	49
Telephoto	SMC Pentax 85mm f/1.8	22	29	6-6	FA		0.85	2.75	64 x 56	331	11.59	52
	● SMC Pentax-M 100mm f/2.8	22	24.5	5-5	FA		1.0	3.3	62.5 x 55.7	225	7.88	49
	SMC Pentax 120mm f/2.8	32	21	4-5	FA		1.2	4	62.5 x 74.5	355	12.43	52

● Type	● Name of Lens	● Minimum Aperture		● Angle of View (Degrees)	● Lens Construction (Groups-Elements)	● Diaphragm	● Minimum Focusing Distance		● Maximum Diameter & Length (mm x mm)	● Weight		● Filter Size (mm)
		● m.	● ft.				● m.	● ft.		● gr.	● oz.	
Telephoto	SMC Pentax 135mm f/2.5	32	18	6-6	FA		1.5	5	67.5 x 85.9	470	16.45	58
	● SMC Pentax-M 135mm f/3.5	32	18	5-5	FA		1.5	5	62.5 x 65.7	276	9.74	49
	● SMC Pentax-M 150mm f/3.5	32	17	5-5	FA		1.8	6	62.5 x 75	290	10.23	49
	SMC Pentax 150mm f/4	32	17	5-5	FA		1.8	6	62.5 x 96	338	11.83	52
	SMC Pentax 200mm f/2.5	32	12	6-6	FA		2.0	6.5	89 x 145	1019	35.9	77
	● SMC Pentax-M 200mm f/4	32	12	5-6	FA		2	6.5	63.5 x 111.0	405	14.18	52
Ultra telephoto	SMC Pentax 300mm f/4	32	8	5-7	FA		4	13	85 x 188	942	32.97	77
	SMC Pentax 400mm f/5.6	45	9	5-5	M		8	27	85 x 277	1,240	43.4	77
	SMC Pentax 500mm f/4.5	45	5	4-4	M		10	35	126.5 x 440	3,330	116.6	52
	SMC Pentax 1000mm f/8	45	2.5	5-5	M		30	100	143 x 738	5,250	183.8	52
	SMC Pentax Reflex 1000mm f/11	—	2.5	4-6	ND		8	26.24	119 x 248	2,300	80.5	BI/52
	SMC Pentax Zoom 45~125mm f/4	22	50.5-20	11-14	FA		1.5	5	69 x 127	612	21.42	67
Zoom	SMC Pentax Zoom 85~210mm f/3.5	32	29-12	11-12	FA		3.5	6.23	76.5 x 207.5	1,050	36.75	67
	SMC Pentax Zoom 135~600mm f/6.7	45	18-4	12-15	M		6	20	105 x 582	4,070	142.5	52
	● SMC Pentax-M Macro 50mm f/4	32	46	3-4	FA		0.234	0.77	63 x 42.5	160	5.6	49
Macro	● SMC Pentax-M Macro 100mm f/4	32	24.5	3-5	FA		0.45	1.48	64.6 x 77.5	355	12.43	49
	SMC Pentax Bellows 100mm f/4	32	24.5	3-5	FA/M		—	—	60 x 40	186	6.51	52
Shift	SMC Pentax Shift 28mm f/3.5	22	75	11-12	M		0.3	1.0	80 x 92.5	611	21.39	BI

BI... Filters built-in FA... Fully automatic M... Manual ND... ND filters built-in ●... Supplied only with K 1000 ●... Compact lens



Taken with Asahi Pentax ME and
SMC Pentax-M 50mm lens.

Taken with Asahi Pentax MX and
SMC Pentax-M 200mm lens.



donated to www.bulky.us

ASAHI PENTAX ACCESSORIES: TO BROADEN YOUR PHOTOGRAPHIC HORIZONS

To help you get the most out of the Asahi Pentax camera you've just bought, on the following pages you will find descriptions of the broad range of accessories Pentax offers. By selecting various items from these pages, you can actually tailor an entire "Pentax System" to your own particular photographic needs. And naturally if you have any questions or problems, your Asahi Pentax dealer is always ready to help.

FILTERS

Filters have an important function in photography. They affect some of the light rays which pass through to the film so that the color or nature of this light is changed.

Filters may be classified roughly into three groups: (1) filters for black-and-white film, (2) filters for color reversal film, and (3) filters for all color (reversal and negative) film.

The principal filters for black-and-white film are: UV, Y1, Y2, O2, R2, and YG. Principal filters for color reversal work are: Skylight, Cloudy, and Morning and Evening. Available for all color films are: filters for flash and filters for photoflood.

Applications —

- UV (ultra-violet) filter — absorbs (or holds back) ultraviolet light rays (invisible to the human eye) and reduces distant haze in the picture. This filter is often kept on the lens constantly for protection.
- Y1 (pale yellow) filter — slightly absorbs blue, emphasizing the contrast between the blue sky and white clouds.
- Y2 (medium yellow) filter — has a stronger effect than Y1, bringing out the white of the clouds.
- O2 (orange) filter & R2 (red) filter — have stronger correction of blue than the Y2, giving the maximum sky/cloud contrast. The R2 filter is absolutely necessary for infra-red photography.



LENS ACCESSORIES



Size	COLOR					BLACK & WHITE					
	Skylight	Cloudy	Morning & Evening	Flash	Flood	UV	Y1	Y2	O2	R2	YG
49mm Standard	●	●	●	●	●	●	●	●	●	●	●
" SMC	●	●				●		●	●	●	
82mm Standard	●	●	●	●	●	●	●	●	●	●	●
" SMC	●	●				●		●	●	●	
58mm Standard	●					●		●	●		
" SMC	●	●				●		●	●	●	
67mm Standard	●					●		●	●		
" SMC	●	●				●		●	●	●	
77mm Standard	●					●		●	●		
" SMC	●	●				●		●	●	●	

- YG (yellow green) filter — slightly darkens the sky and all red tones. Recommended for outdoor portraits as this filter darkens flesh tones slightly.

Of the above filters, the Y2 and O2 are a "must" for landscape photography.

- Skylight filter — absorbs blue and ultra-violet light rays. Preferable for landscape photography when the bright sky is to be toned down while the foreground requires no correction. Note: The Skylight filter may be very useful for color photography. But remember that the color rendering abilities of a film vary according to its brand.

- Cloudy — suitable for use on cloudy days to lighten excess blue.
- Morning & Evening — suitable for use at sunset and sunrise to lighten excess red.
- Filter for flash — used to bring light from a flash into balance with daylight film. It should not be used with a color flash bulb, sealed in blue glass.
- Filter for photoflood — used to bring photoflood lighting into balance with daylight film. It should not be used with a color photoflood or photospot.

Polarizing Filter

Light is "polarized" when it is reflected from the surface of glass, water or any other high-gloss medium. The light from the sky, particularly at an angle of 60° – 90° to the position of the sun, is also polarized. A polarizing filter reduces or eliminates surface reflections when photographing subjects behind glass, under the sea, etc.; it also darkens blue skies without affecting the rest of the scene. This type of filter can be used very effectively for color photography. (You can examine the actual effect of a polarizing filter by attaching one to a Pentax camera and looking through the viewfinder as you adjust the filter.)

SMC Filters

SMC filters are multi-layer coated as precisely as are SMC Pentax lenses themselves. They never impair the performance of these lenses, nor do they ever cause a loss of sharpness or contrast. They are very useful aids for photography. SMC filters are available in four sizes: 49mm (UV, Y2, O2, R2, Skylight, Cloudy), 52mm (UV, Y2, O2, R2, Skylight, Cloudy), 58mm (UV, Y2, O2) Sklight), 67mm (UV, Y2, O2, Skylight) and 77mm (UV, Y2, O2, Skylight).



LENS ACCESSORIES



LENS HOOD

The main purpose of a lens hood is to shield the lens from the light outside the picture area, which might otherwise cause unwanted reflections inside the lens.

In addition, a lens hood protects the lens against dust, dirt and fingerprints; it even helps keep out rain. Therefore, this lens accessory is often used simply for lens protection.

Using a spring mechanism, Pentax lens hoods fit directly onto the rim of the lens. They will not slip off easily, even if the camera is handled roughly.

• Rectangular hoods

There are 5 types of rectangular hoods available, one each for the following groups of SMC Pentax lenses:

(1) 49mm	(a) SMC Pentax-M	50mm f/1.4
	SMC Pentax-M	50mm f/1.7
	(b) SMC Pentax-M	28mm f/2.8
	SMC Pentax-M	35mm f/2
	SMC Pentax-M	35mm f/2.8

(2) 52mm	(a) SMC Pentax	50mm f/1.2
	SMC Pentax	50mm f/1.4
	SMC Pentax	55mm f/1.8
	SMC Pentax	55mm f/2
	(b) SMC Pentax	28mm f/2
(3) 58mm	SMC Pentax	30mm f/2.8
	SMC Pentax	18mm f/3.5
	SMC Pentax	20mm f/4

• Round hoods

There are 9 types of round hoods available, one each for the following groups of SMC Pentax lenses:

(1) Rubber lens hood 49mm

SMC Pentax-M	40mm f/2.8
SMC Pentax-M	50mm f/1.4
SMC Pentax-M	50mm f/1.7

(2) 49mm	(a) SMC Pentax-M	50mm f/1.4
	SMC Pentax-M	50mm f/1.7
	(b) SMC Pentax-M	100mm f/2.8
	SMC Pentax-M Macro	100mm f/4

(3) 52mm	(a) SMC Pentax	50mm f/1.2
	SMC Pentax	50mm f/1.4
	SMC Pentax	55mm f/1.8

(3) 52mm	(a) SMC Pentax	55mm f/2
	(b) SMC Pentax	85mm f/1.8
	SMC Pentax Bellows	100mm f/4
	(c) SMC Pentax	120mm f/2.8
	SMC Pentax	150mm f/4

(4) 58mm	SMC Pentax	135mm f/2.5
	SMC Pentax	200mm f/4
	SMC Pentax Zoom	85-210mm f/4.5

(5) Foldable lens hood 58mm

SMC Pentax Zoom	45-125mm f/4
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(6) 67mm	SMC Pentax Zoom	85-210mm f/3.5
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• Built-on hoods

Built-on hoods are fixed on the following telephoto and ultra telephoto lenses:

SMC Pentax-M	135mm f/3.5
SMC Pentax	300mm f/4
SMC Pentax	400mm f/5.6
SMC Pentax	500mm f/4.5
SMC Pentax	1000mm f/8
SMC Pentax Zoom	135-600mm f/6.7

To use this type of hood, simply extend it.

CLOSE-UP ACCESSORIES



CLOSE-UP LENSES

An SMC Close-Up Lens can be threaded into the front lens frame of an SMC Pentax lens for crisp macrophotography. The entire range gives you the convenience of automatic diaphragm setting and open-aperture metering.

These attachment lenses are available in the following types:

• Type	• SMC Pentax Lens	• Lens-to-subject distance range	• Magnification
S40	50mm f/1.7, 50mm f/1.4, 55mm f/1.8, 40mm f/2.8	48.0~27.0cm (with 50mm f/1.7 lens)	1/7.6~1/3.5 (with 50mm f/1.7 lens)
S25	50mm f/1.7, 50mm f/1.4, 55mm f/1.8, 40mm f/2.8	32.6~22.0cm (with 50mm f/1.7 lens)	1/4.8~1/2.7 (with 50mm f/1.7 lens)
T80	85mm~150mm	91.6~50.5cm (with 85mm f/1.8 lens)	1/9.4~1/4.2 (with 85mm f/1.8 lens)
T160	100mm~150mm	175.0~89.5cm (with 135mm f/3.5 lens)	1/11.9~1/4.9 (with 135mm f/3.5 lens)
T95	135mm f/2.5, 200mm f/4	114.0~84.0cm (with 200mm f/4 lens)	1/4.8~1/2.6 (with 200mm f/4 lens)
T183	135mm f/2.5, 200mm f/4	202.0~113.0cm (with 200mm f/4 lens)	1/9.1~1/3.8 (with 200mm f/4 lens)

AUTO EXTENSION TUBE SET K

The Auto Extension Tube Set K consists of three different rings, which can be used either individually or in combination. Magnifications up to life-size can be provided by attaching the #3 ring to the SMC Pentax Macro 50mm f/4 lens. This set allows you the convenience of automatic diaphragm operation and open-aperture metering.



MANUAL EXTENSION TUBE SET K

The Manual Extension Tube Set K is identical with the automatic one except that it provides manual diaphragm operation and stop-down metering.



CLOSE-UP ACCESSORIES



HELICOID EXTENSION TUBE K

The Helicoid Extension Tube K provides variable tube extension for close-up work. Magnification is 0.47x to 0.99x with the 55mm lens.



49mm AND 52mm REVERSE ADAPTOR K

Regardless of the lens being used, whenever working at magnifications greater than life-size, better results can be achieved by reversing the lens.

One side of Reverse Adaptor K screws into the 49mm or 52mm front threads of the lens, and the opposite side bayonets into the K Mount of the camera body.



CLOSE-UP ACCESSORIES



HELICOID EXTENSION TUBE K

The Helicoid Extension Tube K provides variable tube extension for close-up work. Magnification is 0.47x to 0.99x with the 55mm lens.

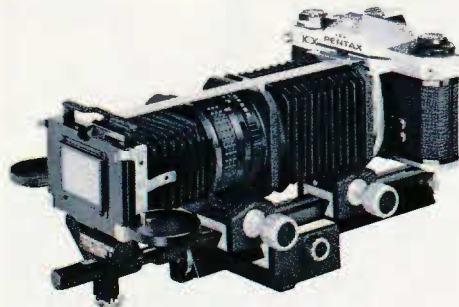


49mm AND 52mm REVERSE ADAPTOR K

Regardless of the lens being used, whenever working at magnifications greater than life-size, better results can be achieved by reversing the lens.

One side of Reverse Adaptor K screws into the 49mm or 52mm front threads of the lens, and the opposite side bayonets into the K Mount of the camera body.





AUTO BELLOWS K & SLIDE COPIER K

Auto Bellows K can be extended from 38mm to 170mm. This unit has a lens-reversing system, double cable release for operating the automatic diaphragm and a measuring scale that indicates how far the bellows has been drawn out. The tripod receptacle is movable. Auto Bellows K has a minimum extension of 38mm; the minimum magnification is 0.73 with a 50mm lens. The Slide Copier K attaches to the Auto Bellows for quick, accurate slide duplication and partial slide magnification.



Bellows Unit K

Compactly designed, Bellows Unit K can be extended from 32mm to 137mm. This unit does not permit automatic diaphragm setting, nor is it used with the Slide Copier K. The tripod receptacle is movable. With a 50mm lens this unit provides a minimum magnification of 0.62x.

Slide Holder 1x, K

Slide Holder 1x, K serves the same purpose as Slide Copier K of Auto Bellows K. When used with an Auto Extension Tube K or Extension Tube K, this unit allows the standard lens or Macro 50mm f/4 lens to make slide duplications with 1x magnification. The cost of such slide duplications is less than that of copying the original picture onto transparency film.



MICRO-MOVING ATTACHMENT

When close-ups are to be made with a large magnification (e.g., 5x or more), focusing can easily be done by using the Micro-Moving Attachment for precisely setting the position of the lens, or extension tube. This device is also useful for making close-ups with a predetermined magnification. (If the lens alone is moved for focusing, it causes a change in magnification.) Provided with a tripod receptacle.



FOR FLASH PHOTOGRAPHY



AUTOROBO

An automatic electronic flash unit with hot-shoe contact. This unit has an electronic 'eye' which measures the light reflected from the subject and automatically controls flash output for perfect exposure. The guide number is 24 for ASA 100 (manual setting). Angular spread is 50° vertically and 65° horizontally. Other features of this unit include the automatic light output stabilizer, open flash button and 2-step pilot lamp indication.



COPY STAND III & III P

The Copy Stand aligns the camera quickly and accurately for copy work. It is equipped with a fine adjustment device which facilitates accurate focusing.

Model III is a fixed type. Model III P is portable, its base serving as a carrying case when the unit is disassembled. Each model has an 18% standard reflector which facilitates exposure measurement.

TABLE CLAMP

The table clamp is useful for fixing the Copy Stand III's leg to a table top less than 6cm thick.

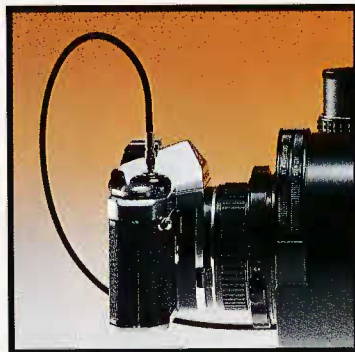
49mm AND 52mm COPIPOD

The Copipod is a compact, portable copy stand which attaches to the 49mm or 52mm threads of the camera lens or close-up lens. The lens board has four calibrated, telescoping legs, and Copipod is packed with a soft, pouch case.

COPYING ACCESSORIES



COPYING ACCESSORIES



CABLE RELEASES

A cable release is a "must" for preventing camera movement, especially when the camera is being used on a tripod, copy stand or copipod. This unit has a locking collar to allow time exposures. Available in the following three types:

Type I — For time exposures, release the shutter at the B setting and then lock the release by screwing in the stopper.

Type II — Loosen the stopper and release the shutter at B (Bulb); the release is locked automatically.

Long Type — 50cm long, convenient for releasing the shutter from a distance.



Type I

Type II

Long Type

CORRECTION LENS ADAPTOR CORRECTION LENS ADAPTOR-M

A clip-on prescription eyepiece designed for eyeglass wearers. Specially ground corrective lenses are available in 8 diopters. Adaptor-M is designed for use with the Pentax MX and ME. For the Pentax KM, KX, and K2, use the adaptor without the "M" designation.

SMC CORRECTION LENSES SMC CORRECTION LENSES-M

SMC Correction Lenses are available in -5, -4, -3, -2, -1, +1, +2 and +3 D (Diopter). Since the eyepiece lens of your Pentax camera is between -0.5 D and -1.0 D, a farsighted person normally requiring +2 D, should utilize a +3 D (+2 D - [-1.0 D] = +3 D) SMC Correction Lens. Similarly, a nearsighted person normally requiring -2 D should utilize a -1 D (-2 D - [-1.0 D] = -1 D) SMC Correction Lens.

SMC Correction Lenses-M are designed for use with the Pentax MX and ME. For the Pentax K 1000, KM, KX, and K2, use the correction lenses without the "M" designation.

FOR CRITICAL FOCUSING



MAGNIFIER MAGNIFIER-M

Simply attach it to the grooves of the eyepiece to magnify the central portion of the focusing screen 2X for critical focusing. The hinged magnifier can be raised to view the entire focusing screen, and is designed to accept SMC Correction Lenses as well.

Magnifier-M is for use with the Pentax MX and ME. For the Pentax K 1000, KM, KX, and K2, use the magnifier without the "M" designation.

EYECUP II EYECUP-M

A useful aid for non-eyeglass wearers as it eliminates reflections for clear viewing, and also prevents extraneous light from entering the eyepiece and influencing the meter. Use Eyecup-M for the Pentax MX or ME, and Eyecup II for the Pentax K1000, KM, KX, or K2.

REFCONVERTERS

Asahi Pentax Refconverters, also referred to as right-angle finders, serve as an invaluable aid when copying, working from a low angle, or whenever it is difficult to directly view through the viewfinder.

REFCONVERTER II REFCONVERTER-M

These Refconverters are extremely easy to use as the image appears exactly as it does when directly viewing through the viewfinder of the camera, non-reversed and laterally correct. The Refconverters have provision for diopter adjustment, and come with rubber eyecups.

Refconverter-M has a built-in 2X magnifier which is brought into action by simply moving a switch. For the Pentax MX or ME, use Refconverter-M. For the Pentax KX or K2, use Refconverter II.

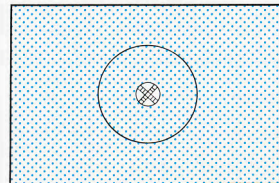
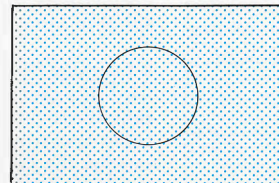
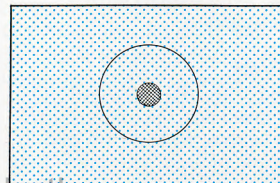
REFCONVERTER

The image in the Refconverter without the "II" designation appears laterally reversed. Therefore, if it were to be used with the KX or K2, the figures in the shutter speed scale or aperture read-out in the viewfinder would appear backwards, making it inconvenient to use. For the above reason, this Refconverter is only recommended for use with the Pentax K 1000 or KM.

INTERCHANGEABLE FOCUSING SCREENS

In addition to the microprism and split-image focusing screens, the following three types are available for the Pentax K2, KX and KM:

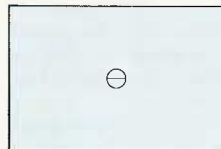
- The cross-microprism type is to be used with a high-speed lens. When used with a relatively fast lens, $f/1.2$ to $f/2.8$, this type of focusing screen improves focusing accuracy. (It is not suited for use with $f/4$ or $f/4.5$ lenses.)
- The matte screen has neither a cross-microprism nor split-image focusing spot. It is suitable for lenses slower than $f/5.6$.
- The photomicrographic type has a cross-microprism spot surrounded by a Fresnel lens on the ground glass. The cross-microprism area is used for normal focusing. But when the image is dark and the depth of field is relatively deep, the spot surrounding the central microprism is used.



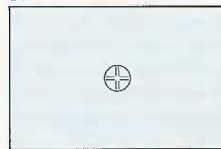
SA-1



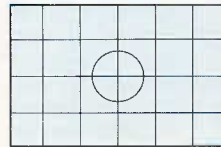
SB-1



SD-1



SG



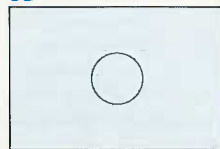
SA-3



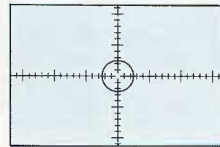
SC-1



SE



SI



INTERCHANGEABLE FOCUSING SCREENS FOR THE ASAHI PENTAX MX

The SMC Pentax family of lenses has grown over a relatively short period of time from a group of modest size to the complete system of nearly 40 lenses that it is today. Because it is comprised of a large variety of lenses, including fish-eye, ultra-wide, high speed, shift, macro, and ultra-telephoto, it is desirable to have a set of interchangeable focusing screens available to assist the photographer in coping with the problems of trying to attain the highest degree of focusing accuracy with an extremely wide range of lenses. As the interchangeable focusing screens are specifically designed for use with SMC Pentax lenses, the photographer is assured of the ultimate in focusing ease. The focusing screens are easily inserted in, or removed from the mirror chamber of the Pentax MX. Furthermore, each screen is packed with a tool to simplify replacement.

• Focusing Screen Types

SA-1 The same screen as the SC-1, but with the split-image circle removed and the micro-prism collar appearing as a central micro-prism grid. It satisfies the needs of the photographer who finds the range-finder distracting and desires a relatively

plain screen with the emphasis upon a large ground glass area. The versatility of the screen nearly equals that of the SC-1, and it can be used with an equal number of lenses.

SA-3 Similar to SA-1, but the angle formed by the prisms in the micro-prism grid is greater to simplify focusing with high speed ($f/1.2 - f/2.8$) lenses.

SB-1 Like the SA-1 screen, this focusing screen is designed for the photographer who desires a relatively plain screen. But a split-image circle is used instead of a micro-prism grid. Since it is the same as SC-1, minus the microprism collar, it is nearly as versatile and can be used with an equal number of lenses.

SC-1 This is the standard screen of the MX which is equipped with a central range-finder circle surrounded by a micro-prism collar in a ground glass field. Its three-way focusing capabilities make it the most versatile of the available screens.

SD-1 An all mat focusing screen with central cross hairs. Ideal for photomicrography and astro-photography. Also suitable for macrophotography when working with a dark viewfinder because of the large magnification.

SE Equipped with an all mat ground glass. Because of the absence of a split-image or micro-prism focusing aid which blacks out at small

apertures, this screen is ideally suited for focusing with ultra telephoto lenses having apertures of $f/5.6$ or smaller. It is also well suited for work with macro lenses, or even for general purpose work when the photographer favors a plain focusing screen to concentrate on composition without distraction.

SG The same as the SE screen, but with etched lines forming 6mm squares. In addition to serving the same purpose as an SE screen, it is useful in architectural photography, especially when working with the SMC Pentax shift lens, as the etched lines serve as guide lines to assure that the lines of the subject appear parallel and perpendicular. The points of the grid are also useful as a compositional aid as well as an aid for the alignment of images when creating double exposures.

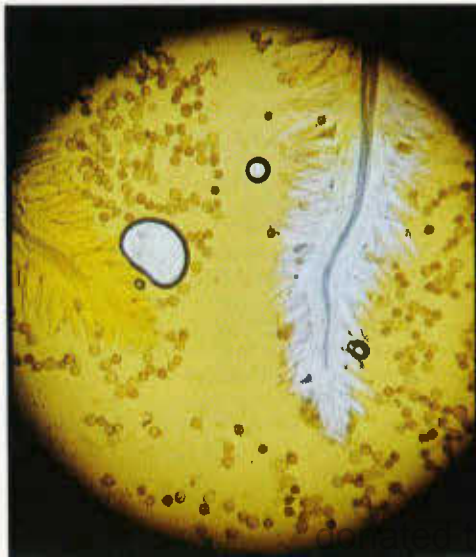
SI An all mat screen, the same as SE, but with the addition of engraved scales. Designed for use with bellows and microscopes, as the scales can be used to learn the subject size and image magnification.

FOR PHOTOMICROGRAPHY



MICROSCOPE ADAPTOR K

This adaptor is designed to fit the camera body directly onto a microscope. It can be used with any microscope having a 25mm diameter tube.



49mm AND 52mm STEREO ADAPTOR STEREO VIEWER II

Stunning 3-D slides are extremely simple to make. Merely attach the Stereo Adaptor to your standard 50 or 55mm lens and shoot at f/5.6 or f/8. After receiving the slides back from your photofinisher, view them in Stereo Viewer II. The most dramatic effects are obtained when the subject is photographed from a distance of four meters or less.

MIRROR ADAPTOR

The Mirror Adaptor consists of a 45° reflex mirror which enables the user to take candid or clandestine shots through a window in the side of the adaptor. (The front of the adaptor has a dummy lens.) This Adaptor fits the SMC Pentax 200mm f/4 lens.

FOR SPECIAL PHOTOGRAPHY



LENS ADAPTORS



MOUNT ADAPTOR K

The Mount Adaptor K fits the new Pentax cameras and permits screw-mount Takumar lenses to be used on them. When used with this adaptor, a screw-mount lens will focus to infinity but it cannot be used for automatic diaphragm operation or open-aperture metering.

6 x 7 LENS MOUNT ADAPTOR K

This Adaptor fits the new Pentax cameras and permits a 6 x 7 camera lens to be used with them. With this adaptor, the lens will focus to infinity but can only be used for manual diaphragm operation and stop-down metering. When used with an ultra-telephoto lens, this Adaptor allows the camera to change its position vertically or horizontally while the lens remains on the tripod.

SOFT EVEREADY CASES

Perfectly contoured to fit your Pentax cameras, thereby offering optimum protection. The front cover of the soft case for the MX or ME is designed to hold the SMC Pentax-M 50mm f/1.4 or f/1.7 lens. Separate front cases are available for the SMC Pentax-M 40mm f/2.8 and SMC Pentax 50mm f/1.2 lenses. Soft cases are available in three types: MX/ME, K2, and KX/KM.

TELEPHOTO LENS FRONT CASES

Telephoto lens front cases are available in two sizes, Medium and Jumbo, to fit the soft cases designed for the Pentax MX/ME, K2, and KX/KM. These large front cases are designed to hold telephoto or large wide-angle lenses.

Medium: Will comfortably hold 18mm f/3.5, 20mm f/4, 28mm f/2, and 85-105mm telephoto lenses.

Jumbo: Will comfortably hold 120-150mm telephoto lenses; however, will not accept 15mm f/3.5 or Shift 28mm f/3.5.

SHORT SOFT CASE

The short soft case, which fits around rather than over the lens, allows you to use the camera without removing it from the case. It makes the shutter "click" practically inaudible, so it is very useful for shooting on-stage performers. This case also protects the camera against rain and snow and even against cold temperatures. In addition, it allows you to focus, advance film or change lenses without removing the camera from the case. It comes complete with an exclusive short cable release. It is available in four types: MX, ME, K2/KX, KM.

CASES AND BAGS



- 1 K2 Soft Eveready Case
- 2 MX Soft Eveready Case
- 3 ME Soft Eveready Case
- 4 Jumbo Front Case
- 5 Short Soft Case



STANDARD LENS CASE (HARD)

This case protects a standard lens while it is not in use.

SOFT LENS CASES

Black, buckskin cases available in two sizes:

Large: (80mm D x 200mm L) Accepts telephoto lenses up to 200mm.

Small: (80mm D x 135mm L) Accepts lenses up to 135mm; however, will not accept 15mm f/3.5 or Shift 28mm f/3.5.



KIT BAG III

Kit Bag III is an easy-to-carry bag, spacious enough to contain a Pentax camera, spot meter, a few interchangeable lenses, filters and film. It has a removable partition inside, and is supplied with a shoulder strap.

Size: 28.5 x 23 x 16.5cm.

SPEED BAG II

This deluxe equipment bag is especially convenient for travelling. It holds two camera bodies, additional lenses, filters, film and other small accessories. Comes with a removable inside partition, shoulder strap and pad.

Size: 31 x 23 x 14.5cm

LEATHER JOY BAG L

A high quality bag which will hold a camera body and standard lens (without case) as well as a 135mm lens (in soft case), or two compact wide-angle lenses. Also useful for carrying accessories such as a flash unit, filters, extension tubes, lens hoods, or film.

Size: 22 x 19 x 14cm.

LEATHER JOY BAG S

Similar to Joy Bag L, but more compact.

Size: 15 x 21 x 13cm.



SPEED BAG II



LEATHER JOY BAG L



LEATHER JOY BAG S



49mm AND 52mm LENS CAPS

These spring-loaded caps can be attached to or removed from the lens just as easily as lens hoods, and fit most lenses (large diameter lenses use slip-on lens caps). For SMC Pentax-M 50mm f/1.4, 50mm f/1.7, and 40mm f/2.8 lenses, use a 49mm lens cap. For SMC Pentax 50mm f/1.2, 50mm f/1.4, and 55mm f/1.8 lenses, use a 52mm lens cap.

LENS MOUNT CAP K

Whenever the lens is not attached to the camera body, a lens mount cap should be fitted onto it so that dust, dirt or other foreign matter will not get in. A lens mount cap is furnished with each SMC Pentax lens.

BODY CAP K

A body cap should be fitted onto the camera body whenever the lens has been removed so that dust, dirt and other foreign matter cannot get in. A body cap is furnished with each SMC Pentax camera body.

49mm → 52mm ADAPTOR

This adaptor permits the use of a 52mm diameter SMC Pentax filter where normally you would use a 49mm diameter Takumar lens filter.

52mm → 49mm ADAPTOR

This adaptor permits the use of a 49mm diameter Takumar lens filter where normally you would use a 52mm diameter SMC Pentax lens filter. Note that this adaptor cannot be used for the SMC Pentax 85mm f/1.8 lens.

FILM MAGAZINE

The film magazine is designed to load bulk film into the Pentax camera.





● **SPOTMETER V**

To expand the scope of the Asahi Pentax Spotmeter even further, model V utilizes a silicon photo diode which makes possible a virtually instantaneous response as well as a broad measuring range of EV 1 - 19. The perfect exposure measurement tool for the professional photographer.

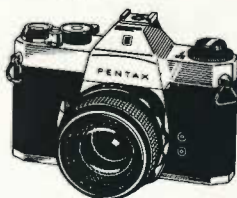
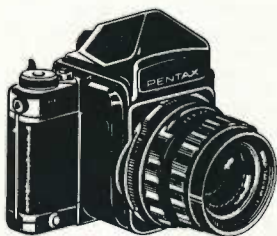
● **DIGITAL SPOTMETER**

This highly compact and lightweight model has an LED digital read-out in the viewfinder, thereby offering maximum visibility, regardless of the prevailing lighting conditions. Moreover, greater resistance to shock is a natural consequence of the elimination of a moving needle.

When the exposure measurement button is depressed, the correct exposure is immediately displayed within the viewfinder as an EV number rounded off to the nearest 1/3 EV.

PENTAX PRICE LIST

Effective July 1977



The prices shown in this list are suggested retail prices. They are subject to change without notice, and may not be the usual or customary retail price in your trade area. For current prices in your area, you may contact your Pentax dealer.

Code		Suggested List
PENTAX 35MM CAMERAS		
03310	K2DMD Body, Black (MP/SI)	566.50
03000	K2 Body, Chrome (MP)	448.50
03010	K2 Body, Black (MP)	471.46
02000	KX Body, Chrome (MP)	294.69
02010	KX Body, Black (MP)	317.77
04504	K1000 w/50mm f/2.0 (MP) without case	219.50
04505	K1000 w/50mm f/2.0 (MP) w/Case	249.50
04524	K1000 w/50mm f/2.0 (SI) without case	229.50
04525	K1000 w/50mm f/2.0 (SI) w/Case	259.50
05000	MX Body, Chrome (MP/SI)	316.17
05010	MX Body, Black (MP/SI)	336.17
06000	ME Body, Chrome (MP/SI)	303.50
06010	ME Body, Black (MP/SI)	321.50

DATA CAMERA		
05200	Data MX Body, Chrome (MP/SI)	663.00

SMC PENTAX STANDARD LENSES (BAYONET: SUPPLIED WITHOUT CASE)		
20167	SMCP-M 40mm f/2.8	108.50
20877	SMCP-M 50mm f/1.7	116.67
20887	SMCP-M 50mm f/1.4	199.50
20947	SMCP 50mm f/1.2	287.50

SMC PENTAX ACCESSORY LENSES (BAYONET: SUPPLIED WITH CASE)		
22960	SMCP-M 28mm f/2.8	239.50
22570	SMCP-M 28mm f/3.5	193.50
22760	SMCP-M 35mm f/2.0	289.50
22780	SMCP-M 35mm f/2.8	189.50
23660	SMCP-M 100mm f/2.8 w/Built-in Hood	219.50
23480	SMCP-M 135mm f/3.5 w/Built-In Hood	199.50
23760	SMCP-M 150mm f/3.5 w/Built-In Hood	212.50
24260	SMCP-M 200mm f/4.0 w/Built-In Hood	239.00
28160	SMCP-M Macro 50mm f/4.0	219.50
28960	SMCP-M Macro 100mm f/4.0 w/Hood	284.50
21240	SMCP Fish-Eye 17mm f/4.0	340.00
22040	SMCP 15mm f/3.5	850.00
22180	SMCP 18mm f/3.5	439.50
22841	SMCP 20mm f/4.0	315.00
22680	SMCP 24mm f/2.8	255.50
22561	SMCP Shift 28mm f/3.5	675.00
22941	SMCP 28mm f/2.0	429.50
22440	SMCP 30mm f/2.8	199.50
23040	SMCP 85mm f/1.8 w/Hood	264.50
23940	SMCP 120mm f/2.8 w/Hood	199.50
23840	SMCP 135mm f/2.5 w/Hood	239.50
24340	SMCP 300mm f/4.0 w/Hood	450.00
24540	SMCP 400mm f/5.6	550.00
24740	SMCP 500mm f/4.5	975.00
24940	SMCP 1000mm f/8.0	1,750.00
24960	SMCP 1000mm f/11.0 Reflex	978.00
27740	SMCP Zoom 45-125mm f/4.0 w/Hood	500.00
27580	SMCP Zoom 85-210mm f/3.5 w/Hood	613.50
27840	SMCP Zoom 135-600mm f/6.7	2,000.00
28240	SMCP Bellows 100mm f/4.0 w/Hood	109.00

SMC TAKUMAR LENSES (SCREW MOUNT: SUPPLIED WITH CASE)		
22550	SMCT 28mm f/3.5 w/Hood	199.50
22750	SMCT 35mm f/2.0 w/Hood	269.50
22351	SMCT 35mm f/3.5	149.50
23850	SMCT 135mm f/2.5 w/Hood	239.50
23450	SMCT 135mm f/3.5 w/Hood	179.50
24050	SMCT 200mm f/4.0 w/Hood	239.50
28151	SMCT Macro 50mm f/4.0	189.50
28950	SMCT Macro 100mm f/4.0 w/Hood	264.50

WINDERS		
37381	Winder MX	149.50
37382	Winder ME	149.50

SI: Split Image screen built in
MP: Micro prism screen built in

Code		Suggested List
MOTOR DRIVE MX/K2DMD ACCESSORIES		
37113	Motor Drive MD (K2DMD)	343.95
37114	Motor Drive MX —ATBA	415.50
30606	Standard Back Cover for MX	18.10
37123	Motor Drive Battery Grip M (MX, K2DMD)	124.95
37231	Motor Drive NiCad Battery Pack M (MX, K2DMD)	124.00
37141	Motor Drive Charge Pack M (MX, K2DMD)	33.35
37201	Motor Drive Power Pack M (MX K2DMD)	207.00
37215	Motor Drive Power Cord M 3m (MX, K2DMD)	12.50
37216	Motor Drive Power Cord M 10m (MX, K2DMD)	20.80
37380	Motor Drive Trigger Cord M (MX, K2DMD)	12.50

MOTOR DRIVE KX, KM ACCESSORIES		
37111	Motor Drive Unit II	475.00
37161	Bulk Film Magazine	299.50
37121	Motor Drive Battery Grip II (MD Unit II)	55.00
37280	Battery Loader for MD Battery Grip II	32.00
37140	Charge Pack 12V (MD Unit II)	32.00
37240	Battery Checker 12V (MD Unit II)	13.00
37200	Power Pack (MD Unit II)	201.00
37150	Relay Pack (MD Unit II)	36.00
37170	Film Cartridge for Bulk Film Magazine	37.50
37180	Cartridge Loader for Bulk Film Magazine	90.00
37213	Power Cord 3m	12.50
37155	Refconverter II for Bulk Film Magazine	99.50

DATA BACK		
37131	Data Back MD (K2DMD)	447.50

CAMERA CASES AND STRAPS		
32700	Soft Case for MX	30.00
32710	Front Cover for Soft Case MX	17.00
32711	Front Cover for Soft Case MX w/SMCP 50mm f/1.2	17.00
32712	Front Cover for Soft Case MX w/SMCP-M 40mm f/2.8	17.00
32720	Back Cover for Soft Case MX	13.00
32730	Soft Case for ME	30.00
32740	Front Cover for Soft Case ME w/SMCP-M 40mm f/2.8	17.00
32741	Front Cover for Soft Case ME w/SMCP 50mm f/1.2	17.00
32742	Front Cover for Soft Case ME w/SMCP-M 50mm f/2.8	17.00
32750	Back Cover for Soft Case ME	13.00
32600	Soft Case for K2	40.00
32610	Soft Case for KX, KM	30.00
32630	Soft Case for KX, K1000	30.00
32950	Neck Strap	4.50
82740	Belt Clip ME	15.50

EXPOSURE METERS		
36130	Spotmeter V w/Case	275.00
36141	Digital Spotmeter w/Case	450.00

LENS & BODY CAPS		
31490	49mm Lens Cap (MX, ME)	3.50
31511	52mm Lens Cap B (Bayonet)	3.50
31571	38mm Lens Cap B (Bayonet)	3.50
31007	Body Mount Cap B (Bayonet)	3.50
31006	Lens Mount Cap B (Bayonet)	3.50
31001	Body Mount Cap S (Screw)	3.00
31002	Lens Mount Cap S (Screw)	3.00

LENS HOODS		
34260	49mm Rubber Lens Hood (for SMCP-M 40/2.8)	5.80
34020	49mm Round Lens Hood (for SMCP-M 50/1.4, 50/1.7)	9.50
34021	49mm Square Lens Hood (for SMCP-M 50/1.4, 50/1.7)	12.95
34110	49mm Lens Hood for Wide-Angle Lenses	19.15

B: Bayonet Mount
S: Screw Mount

ATBA — Availability to be announced

Code	Suggested List	Code	Suggested List
LENS HOODS (Cont.)		FILTERS	
34000	52mm Round Lens Hood (for SMCP 50mm, 55mm)	(SUPER-MULTI-COATING Cont.)	
34060	52mm A-Lens Hood B (for 28/3.5, 35/2.0, 35/3.5)	35431	SMC Filter 58mm Size, UV
34061	52mm B-Lens Hood B (for 24/2.8)	35432	SMC Filter 58mm Size, Y2
34090	58mm Lens Hood B (for 20/4.0, 24/3.5)	35433	SMC Filter 58mm Size, O2
34300	52mm Tele-Lens Hood B (for 120/2.8, 135/3.5, 150/4)	35436	SMC Filter 58mm Size, R2
34380	52mm Tele-Lens Hood B (for 85/1.8, 105/2.8, M100/4)	35531	SMC Filter 58mm Size, Skylight
34390	58mm Tele-Lens Hood B (for 135/2.5, 250/4, 85-210/4)	35532	SMC Filter 58mm Size, Cloudy
34730	58mm Tele-Lens Hood B (for 45-125/4)	35451	SMC Filter 67mm Size, UV
34751	67mm Tele-Lens Hood (85-210/3.5 Zoom)	35452	SMC Filter 67mm Size, Y2
FILTERS (REGULAR COATING)		35453	SMC Filter 67mm Size, O2
30141	49-52mm Adapter Ring	35454	SMC Filter 67mm Size, R2
30142	52-49mm Adapter Ring	35551	SMC Filter 67mm Size, Skylight
35011	Filter 49mm Size, UV	35552	SMC Filter 67mm Size, Cloudy
35012	Filter 49mm Size, Y2	35481	SMC Filter 77mm Size, UV
35013	Filter 49mm Size, O2	35482	SMC Filter 77mm Size, Y2
35014	Filter 49mm Size, Y1	35483	SMC Filter 77mm Size, O2
35015	Filter 49mm Size, YG	35484	SMC Filter 77mm Size, R2
35016	Filter 49mm Size, R2	35581	SMC Filter 77mm Size, Skylight
35018	Filter 49mm Size, Ghostless/UV	35582	SMC Filter 77mm Size, Cloudy
35019	Filter 49mm Size, Polarizing	FINDER ACCESSORIES	
35111	Filter 49mm Size, Skylight	30733	SMC Correction Lens Adapter M -3 (MX, ME)
35112	Filter 49mm Size, Cloudy	30734	SMC Correction Lens Adapter M -2 (MX, ME)
35113	Filter 49mm Size, Morning & Evening	30735	SMC Correction Lens Adapter M -1 (MX, ME)
35114	Filter 49mm Size, Flash	30736	SMC Correction Lens Adapter M +1 (MX, ME)
35115	Filter 49mm Size, Flood	30737	SMC Correction Lens Adapter M +2 (MX, ME)
35116	Filter 49mm Size, Ghostless/Skylight	30920	Magnifier M w/Case (MX, ME)
35119	Filter 49mm Size, Conversion "A"	30157	Refrconverter M w/Case (MX, ME)
35251	Filter 52mm Size, UV	30086	Eye Cup M (MX, ME)
35252	Filter 52mm Size, Y2	30831	Focusing Screen SA-1 (MX)
35253	Filter 52mm Size, O2	30832	Focusing Screen SD-1 (MX)
35254	Filter 52mm Size, Y1	30833	Focusing Screen SA-3 (MX)
35255	Filter 52mm Size, YG	30834	Focusing Screen SB-1 (MX)
35256	Filter 52mm Size, R2	30835	Focusing Screen SC-1 (MX)
35259	Filter 52mm Size, Polarizing	30836	Focusing Screen SI (MX)
35261	Filter 52mm Size, Skylight	30837	Focusing Screen SE (MX)
35262	Filter 52mm Size, Cloudy	30838	Focusing Screen SG (MX)
35263	Filter 52mm Size, Morning & Evening	30703	Correction Lens Adapter -3 (K, S)
35264	Filter 52mm Size, Flash	30704	Correction Lens Adapter -2 (K, S)
35265	Filter 52mm Size, Flood	30705	Correction Lens Adapter -1 (K, S)
35031	Filter 58mm Size, UV	30706	Correction Lens Adapter +1 (K, S)
35032	Filter 58mm Size, Y2	30707	Correction Lens Adapter +2 (K, S)
35033	Filter 58mm Size, O2	30151	Magnifier w/Case (K, S)
35039	Filter 58mm Size, Polarizing	30061	Refrconverter w/Case (K, S)
35131	Filter 58mm Size, Skylight	30153	Refrconverter w/Case (K, S)
35051	Filter 67mm Size, UV	30082	Rubber Eye Cup (K, S)
35052	Filter 67mm Size, Y2	30194	Accessory Clip II (K, S)
35053	Filter 67mm Size, O2	CLOSE-UP ACCESSORIES	
35151	Filter 67mm Size, Skylight	30023	Auto Bellows B Set with 49mm Adapter (MX, ME)
35081	Filter 77mm Size, UV	30029	Slide Copier B for Auto Bellows K (MX, ME)
35082	Filter 77mm Size, Y2	30332	Reverse Adapter M 49mm (MX, ME)
35083	Filter 77mm Size, O2	30450	SMC Close-Up Lens 49mm S25 (MX, ME)
35181	Filter 77mm Size, Skylight	30451	SMC Close-Up Lens 49mm S40 (MX, ME)
FILTERS (SUPER-MULTI-COATING)		30452	SMC Close-Up Lens 49mm T30 (MX, ME)
35601	SMC Filter 49mm Size, UV	30454	SMC Close-Up Lens 49mm T160 (MX, ME)
35602	SMC Filter 49mm Size, Y2	30026	Auto Bellows B Set
35603	SMC Filter 49mm Size, O2	30028	Slide Copier B for Auto Bellows B
35604	SMC Filter 49mm Size, R2	30054	Table Clamp for Copy Stand
35605	SMC Filter 49mm Size, Skylight	30069	Copy Stand III P
35606	SMC Filter 49mm Size, Cloudy	30075	Copy Stand III
35401	SMC Filter 52mm Size, UV	30130	Copipod 49mm
35402	SMC Filter 52mm Size, Y2	30135	Copipod 52mm
35403	SMC Filter 52mm Size, O2	30525	Extension Tube B Set
35406	SMC Filter 52mm Size, R2	30542	Helicoid Extension Tube B
35501	SMC Filter 52mm Filter, Skylight	37955	Reverse Adapter B 52mm
35502	SMC Filter 52mm Filter, Cloudy	30220	SMC Close-Up Lens 52mm S25
		30221	SMC Close-Up Lens 52mm S40
		30222	SMC Close-Up Lens 52mm T80
		30223	SMC Close-Up Lens 52mm T160
		30224	SMC Close-Up Lens 58mm T95
		30225	SMC Close-Up Lens 58mm T183
B: Bayonet		B: Bayonet	
S: Screw mount		S: Screw mount	

Code		Suggested List
CLOSE-UP ACCESSORIES (Cont.)		
30090	Cable Release I	4.00
30092	Cable Release II	5.00
30025	Bellows Unit (B)	89.50
30031	Auto Bellows Set (S)	175.00
30036	Slide Copier S for Auto Bellows	55.00
30331	Reverse Adapter S 49mm	5.00
30520	Extension Tube Set (S)	25.00
30530	Auto Extension Tube Set (S)	35.00
30536	Auto Extension Tube Set (B)	35.00

OTHER ACCESSORIES		
30043	Microscope Adapter (S)	35.00
30044	Microscope Adapter (B)	45.00
30070	Film Magazine	8.00
30120	Mount Adapter B (for Takumar Lens)	7.50
30344	Stereo Adapter 52mm Set	70.00
30347	Stereo Viewer II (MX, ME)	30.00
30348	Stereo Adapter 49mm Set (MX, ME)	70.00
30350	Mirror Adapter (for 200mm f/4.0 Lens)	120.00
37954	Adapter B for 6x7 Lenses	75.00
32904	D Rings	1.75
99040	Tripod for 1000/8.0	249.50

LENS CASE		
33920	Lens Soft Case, Small	15.50
33921	Lens Soft Case, Large	16.50
33216	Case for SMCP-M 28mm f/2.8	15.00
33216	Case for SMCP-M 28mm f/3.5	15.00
33223	Case for SMCP-M 35mm f/2.0	15.00
33270	Case for SMCP-M 35mm f/2.8	15.00
33325	Case for SMCP-M 100mm f/2.8	15.00
33352	Case for SMCP-M 135mm f/3.5	15.00
33372	Case for SMCP-M 150mm f/3.5	15.00
33482	Case for SMCP-M 200mm f/4.0	17.50
33472	Case for SMCP 200mm f/2.5	17.50
33832	Case for SMCP-M Macro 50mm f/4.0	15.00
33882	Case for SMCP-M Macro 100mm f/4.0	15.00
33000	Case for SMCP 50mm f/1.2	14.00
33011	Case for SMCP 50mm f/1.4	14.00
33021	Case for SMCP 55mm f/1.8	14.00
33212	Case for SMCP 28mm f/3.5	14.00
33231	Case for SMCP 35mm f/3.5	14.00
33351	Case for SMCP 135mm f/3.5	14.00
33371	Case for SMCP 150mm f/4.0	14.00
33481	Case for SMCP 200mm f/4.0	23.00
33831	Case for SMCP Macro 50mm f/4.0	14.00
33861	Case for SMCP Macro 100mm f/4.0	14.00
33821	Case for SMCP Bellows 100mm f/4.0	14.00
33752	Case for SMCP 85-210mm f/3.5 Zoom	45.00

6x7 CAMERAS		
15411	Asahi Pentax 6x7 Body	625.00

6x7 FINDERS (WITH CASE)		
37400	6x7 Penta-Prism Finder	170.00
37403	6x7 Folding Focusing Hood	57.00
37406	6x7 Rigid Magnifying Hood	96.00
37965	TTL Penta-Prism Finder	349.50

6x7 SMC TAKUMAR LENSES (WITH CASE)		
29014	SMCT 6x7 105mm f/2.4	399.50
29114	SMCT Fish Eye 6x7 35mm f/4.5	799.50
29214	SMCT 6x7 55mm f/3.5	574.30
29224	SMCT 6x7 75mm f/4.5	325.00
29234	SMCT 6x7 90mm f/2.8 (Leaf Shutter)	529.50
29314	SMCT 6x7 150mm f/2.8	369.50
29324	SMCT 6x7 200mm f/4.0	399.50
29334	SMCT 6x7 300mm f/4.0	899.50
29414	SMCT 6x7 400mm f/4.0	1,149.50
29424	SMCT 6x7 600mm f/4.0	1,700.00
29434	SMCT 6x7 800mm f/4.0	2,900.00
29454	SMCT Reflex 6x7 1000mm f/8.0	3,000.00
29814	SMCT Macro 6x7 135mm f/4.0	399.50

Code		Suggested List
6x7 CLOSE-UP ACCESSORIES		
37900	6x7 Extension Tube Set (for Outer Bayonet Lenses)	89.00
37910	6x7 Auto Extension Tube Set (for Inner Bayonet Lenses)	91.50
37919	6x7 Helicoid Extension Tube	99.50
37920	6x7 Copy Stand	400.00
37930	6x7 Auto Bellows Set	499.00
37941	6x7 Reverse Adapter, 67mm	29.50
37943	6x7 Reverse Adapter, 49mm	34.50
37945	6x7 Slide Copier	74.50

6x7 FINDER ACCESSORIES		
37420	6x7 Right Angle Finder	179.50
37421	6x7 Magnifier w/Case	55.00
37410	6x7 Eye Cup	3.50
37411	6x7 Correction Lens -5	4.50
37412	6x7 Correction Lens -4	4.50
37413	6x7 Correction Lens -3	4.50
37414	6x7 Correction Lens -2	4.50
37415	6x7 Correction Lens -1	4.50
37416	6x7 Correction Lens +1	4.50
37417	6x7 Correction Lens +2	4.50

6x7 GENERAL ACCESSORIES		
37970	6x7 Hand Grip	60.00
37980	6x7 Quick Focus Ring (A)	15.00
37982	6x7 Quick Focus Ring (B)	15.00
37990	6x7 Remote Battery Cord	24.50
37944	6x7 2x Converter w/Case	299.50

6x7 CAPS		
37432	6x7 Body Cap	5.00
37433	6x7 Prism Cover	4.00
37434	6x7 Finder Cap	4.00
37800	Rear Lens Cap, Inner Bayonet	5.00
37801	Rear Lens Cap, Outer Bayonet	5.00
37810	6x7 67mm Lens Cap	4.50

6x7 LENS CASES		
37700	Case for 6x7 105mm f/2.4	39.50
37701	Case for 6x7 35mm f/4.5	39.50
37702	Case for 6x7 55mm f/3.5	39.50
37703	Case for 6x7 75mm f/4.5	39.50
37704	Case for 6x7 90mm f/2.8	39.50
37710	Case for 6x7 150mm f/2.8	39.50
37711	Case for 6x7 200mm f/4.0	39.50
37712	Case for 6x7 300mm f/4.0	49.50
37780	Lens Soft Case, 6x7	19.50

6x7 LENS HOOD (WITH CASE)		
37600	Lens Hood for 6x7 105mm f/2.4	31.50
37602	Lens Hood for 6x7 90mm f/2.8	31.50
37620	Lens Hood for 6x7 55mm f/3.5	31.50
37622	Lens Hood for 6x7 75mm f/4.5	31.50
37830	Lens Hood for 6x7 150mm f/2.8	31.50

6x7 SMC FILTERS		
37506	6x7 SMC Filter 67mm Size, UV	43.50
37507	6x7 SMC Filter 67mm Size, Y2	43.50
37508	6x7 SMC Filter 67mm Size, O2	43.50
37509	6x7 SMC Filter 67mm Size, R2	43.50
37516	6x7 SMC Filter 67mm Size, Skylight	43.50
37517	6x7 SMC Filter 67mm Size, Cloudy	43.50
37526	6x7 SMC Filter 77mm Size, UV	46.50
37527	6x7 SMC Filter 77mm Size, Y2	46.50
37528	6x7 SMC Filter 77mm Size, O2	46.50
37529	6x7 SMC Filter 77mm Size, R2	46.50
37536	6x7 SMC Filter 77mm Size, Skylight	46.50
37537	6x7 SMC Filter 77mm Size, Cloudy	46.50
37546	6x7 SMC Filter 82mm Size, UV	51.50
37547	6x7 SMC Filter 82mm Size, Y2	51.50
37548	6x7 SMC Filter 82mm Size, O2	51.50
37549	6x7 SMC Filter 82mm Size, R2	51.50

6x7 SMC FILTERS (Cont.)

37556	6x7 SMC Filter 82mm Size, Skylight	51.50
37557	6x7 SMC Filter 82mm Size, Cloudy	51.50
37566	6x7 SMC Filter 100mm Size, UV	65.00
37567	6x7 SMC Filter 100mm Size, Y2	65.00
37568	6x7 SMC Filter 100mm Size, O2	65.00
37569	6x7 SMC Filter 100mm Size, R2	65.00
37576	6x7 SMC Filter 100mm Size, Skylight	65.00
37577	6x7 SMC Filter 100mm Size, Cloudy	65.00

6x7 FILTERS

37500	6x7 Filter 67mm Size, UV	39.50
37502	6x7 Filter 67mm Size, Y2	39.50
37503	6x7 Filter 67mm Size, O2	39.50
37504	6x7 Filter 67mm Size, R2	39.50
37505	6x7 Filter 67mm Size, YG	39.50
37513	6x7 Filter 67mm Size, Polarizing	69.50
37510	6x7 Filter 67mm Size, Skylight	39.50
37511	6x7 Filter 67mm Size, Cloudy	39.50
57512	6x7 Filter 67mm Size, Morning & Evening	39.50
37520	6x7 Filter 77mm Size, UV	42.00
37522	6x7 Filter 77mm Size, Y2	42.00
37523	6x7 Filter 77mm Size, O2	42.00
37524	6x7 Filter 77mm Size, R2	42.00
37525	6x7 Filter 77mm Size, YG	42.00
37530	6x7 Filter 77mm Size, Skylight	42.00
37531	6x7 Filter 77mm Size, Cloudy	42.00
37532	6x7 Filter 77mm Size, Morning & Evening	42.00
37540	6x7 Filter 82mm Size, UV	47.00
37542	6x7 Filter 82mm Size, Y2	47.00
37543	6x7 Filter 82mm Size, O2	47.00
37544	6x7 Filter 82mm Size, R2	47.00
37545	6x7 Filter 82mm Size, YG	47.00
37550	6x7 Filter 82mm Size, Skylight	47.00
37551	6x7 Filter 82mm Size, Cloudy	47.00
37552	6x7 Filter 82mm Size, Morning & Evening	47.00
37560	6x7 Filter 100mm Size, UV	59.00
37562	6x7 Filter 100mm Size, Y2	59.00
37563	6x7 Filter 100mm Size, O2	59.00
37564	6x7 Filter 100mm Size, R2	59.00
37565	6x7 Filter 100mm Size, YG	59.00
37570	6x7 Filter 100mm Size, Skylight	59.00
37571	6x7 Filter 100mm Size, Cloudy	59.00
37572	6x7 Filter 100mm Size, Morning & Evening	59.00

6x7 GELATIN FILTER FRAMES

37591	6x7 Gelatin Filter Frame, 67mm Size	30.50
37592	6x7 Gelatin Filter Frame, 82mm Size	34.00
37593	6x7 Gelatin Filter Frame, 100mm Size	35.00

**6x7 MARINE
UNDERWATER HOUSING**

95300	6x7 Marine Body Housing	1,743.00
95301	6x7 Marine Front Housing (Fish-Eye) (for 6x7 SMCT Fish-Eye 25mm f/4.5 only)	465.00
95302	6x7 Marine Front Housing (Standard) (for 6x7 SMCT 55mm f/3.5, 75mm f/4.5, 105mm f/2.4)	418.00
95303	6x7 Marine Front Housing (Macro) (for 6x7 SMCT Macro 135mm f/4.0, 150mm f/2.8, 200mm f/4.0)	294.00
95304	6x7 Marine Attachment Lens (for 6x7 SMCT 55mm f/3.5 only)	352.00
95305	6x7 Marine Fish-Eye Front Housing Protector	72.70
95313	6x7 Marine Flash Gun Adapter	41.20
95315	6x7 Marine Mirror Finder	177.90
95306	Gear Ring Set for 6x7 Marine SMCT Fish-Eye 35mm f/4.5	116.00
95307	Gear Ring Set for 6x7 Marine SMCT 55mm f/3.5 ..	116.00
95308	Gear Ring Set for 6x7 Marine SMCT 75mm f/4.5 ..	85.30
95309	Gear Ring Set for 6x7 Marine SMCT 105mm f/2.4 ..	85.30
95310	Gear Ring Set for 6x7 Marine SMCT Macro 135mm f/4.0	85.30
95311	Gear Ring Set for 6x7 Marine SMCT 150mm f/2.8 ..	85.30
95312	Gear Ring Set for 6x7 Marine SMCT 200mm f/4.0 ..	85.30