

# PENTAX

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## 6x7 System

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## THE SUPER SLR!

A stampeding stallion . . . An athlete making a flying tackle . . . A hummingbird darting from blossom to blossom . . . A glamorous model posing atop a sand dune . . .

Regardless of the subject, photography with the Pentax 6x7 combines unmatched image quality with maximum handling ease. That's why we call it the "Super SLR." For it is a perfect balance of two picture-taking personalities. It's the large format camera guaranteeing the high-quality results and non-waste enlargements inherent in its 6x7 "ideal" negative format; and from its very inception it was designed to incorporate all of the outstanding features of a 35mm SLR — including well-positioned controls, precise eye-level operation, superb balance, smooth and steady shutter release, an electronic focal plane shutter, well-dampened mirror action and a host of other outstanding features. And, enhancing its versatility even more is a wide array of

interchangeable lenses from ultra-wide to ultra-telephoto, fish-eye to macro, and also a full range of close-up accessories. Optional viewfinders permit the camera to be used at waist and ground levels, on vertical copy stands or on low-height tripods. A highly accurate TTL metering pentaprism finder is also available which provides full-aperture readings with automatic diaphragm lenses. In addition, there's an assortment of focusing screens with varied alignment patterns for a wide variety of studio, architectural and other applications.

But, these are not the only reasons we call the Pentax 6x7 the "Super SLR." It would be hard to overlook its rugged body and durable construction. Photographers really appreciate its capability to take the day-in, day-out battering of studio work and yet render unwavering performance on location in a scorching desert one moment or on a freezing mountain top the next.

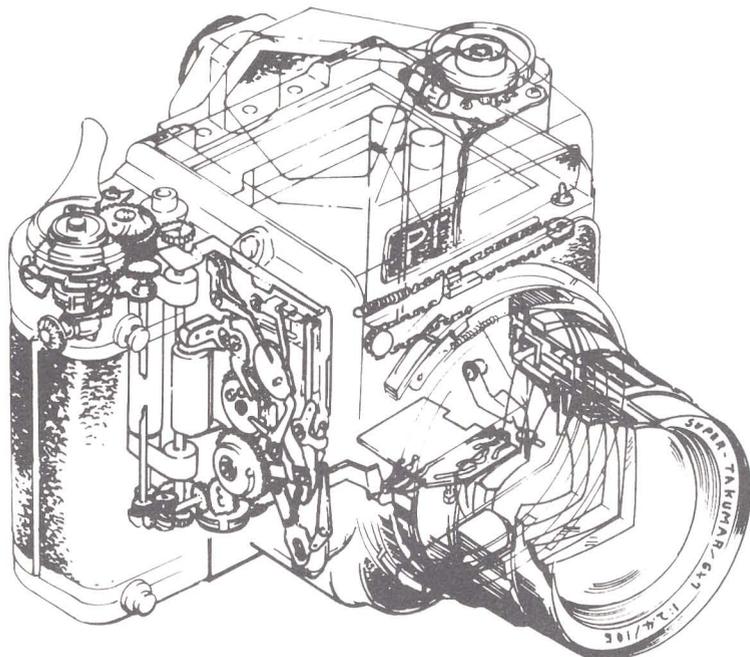
There's yet one more superlative which can be applied to the "Super SLR" — the quality of its SMC Takumar 6x7 lenses, acclaimed the world over for their brilliance and clarity. Like the camera, these also have been designed along 35mm SLR lines, featuring a bayonet mount for quick changes, and automatic diaphragm action on all models up to 400mm telephoto. Moreover, as the only medium format lenses treated with Super-Multi-Coating, SMC Takumars retain their crisp sharpness and dramatic contrast even in the harshest lighting conditions.

That about sums up the Pentax 6x7, except for one thing — the 6x7 Marine, a highly sophisticated underwater housing which lets you take the Pentax 6x7 even to the bottom of the ocean . . .

It all adds up to "The Super SLR." The Super Camera . . . The Super Lenses . . . The Super System!

# PENTAX

## 6x7 System



### Specifications

#### Type

6x7 ideal-format single-lens reflex

#### Film

120 roll-film (10 exposures)/220 roll-film (20 exposures)

#### Image Size

55mmx70mm (2<sup>1</sup>/<sub>4</sub>"x2<sup>3</sup>/<sub>4</sub>" )

#### Standard Lens

SMC Takumar/6x7 105mm f/2.4, 6 elements; fully-automatic diaphragm; 67mm filter size

#### Minimum Focusing Distance

1 meter (3.3 ft.) with standard lens

#### Shutter

Electronically-timed, double-curtain focal plane shutter; X, B, 1-1/1000 sec.

#### Power Source

6V silver oxide battery (Eveready # 544 or Mallory PX28)

#### Battery Check

Push button with indicator lamp

#### Viewfinders

Interchangeable Pentaprism Finder; TTL (Exposure Meter) Prism Finder; Folding Focusing Hood; Rigid Magnifying Hood. Matte field with central microprism spot focusing screen supplied as standard. Life size image with standard lens.

#### Reflex Mirror

Swing-up-and-back instant return mirror with lock-up provision

#### Film Transport

Rapid-wind lever (180° angle); Shutter is cocked when film is advanced.

#### Exposure Counter

Automatic reset exposure counter

#### Lens Mount

Dual bayonet mounts, inner bayonet: 35mm-300mm lenses/outer bayonet: 400mm-1000mm lenses

#### Flash Synchronization

FP and X terminals/electronic flash at 1/30-1 sec., B

#### Exposure Meter

Accessory pentaprism with through-the-lens meter couples with shutter speed and aperture

#### Dimensions

184mm W x 149mm H x 156mm D (7.2"x5.8"x6.1")

#### Weight

Body: (1,280 grams) 45.9 ozs.  
Standard lens: (628 grams) 22.1 ozs.  
Pentaprism housing: (460 grams) 16.2 ozs.

Cat. No.

**15411** 6x7 Body w/body cap, strap and battery

#### Basic 6x7 Set:

Cat. No.

**15411** 6x7 Body w/body cap, strap and battery.

**37403** Folding Focusing Hood

**29224** SMCT 6x7 75mm f/4.5

#### Standard 6x7 Set:

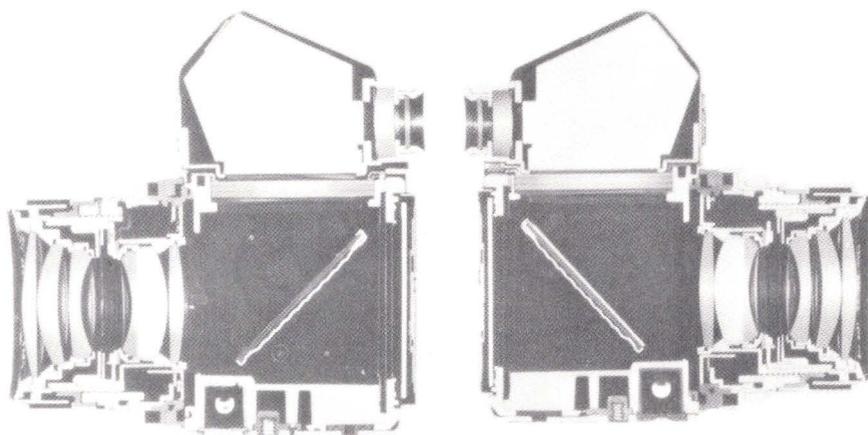
Cat. No.

**15411** 6x7 body w/body cap, strap and battery.

**37965** TTL Meter Pentaprism Finder

**29014** SMCT 6x7 105mm f/2.8

*For replacement of supplied accessory items, refer to Special Products Section.*



Cross-sections of 6x7 camera from both sides

# PENTAX

## 6x7 System

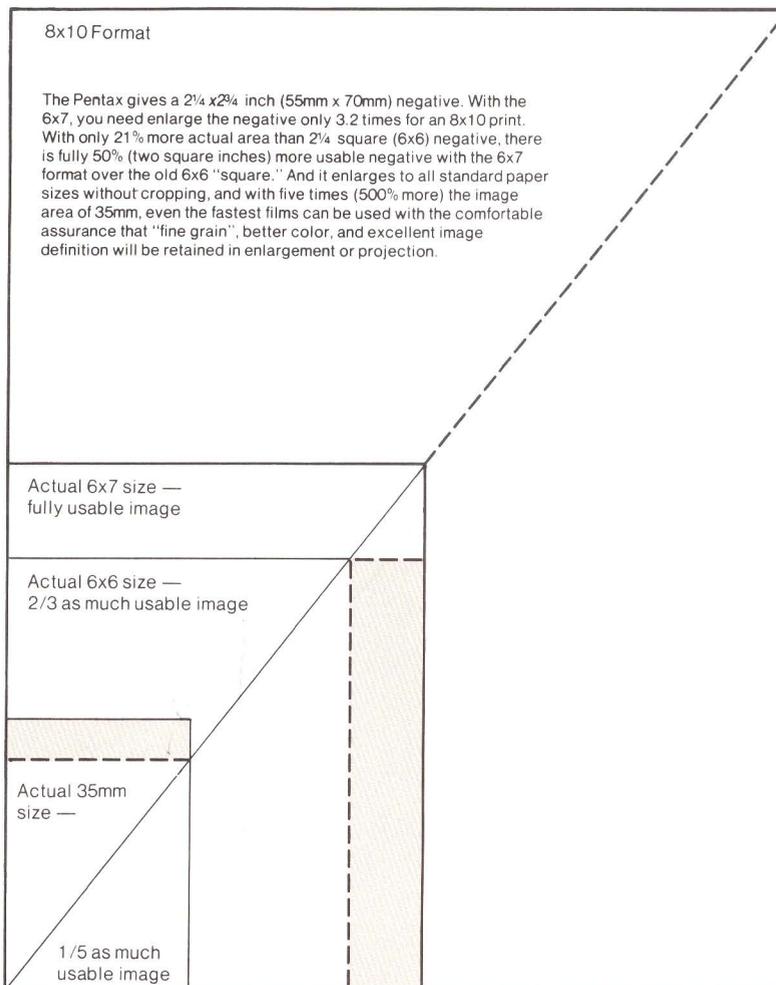
### Not a format designed to match the camera, but a camera designed to match the format.

With the advent of roll film, box-shaped cameras were designed to accommodate it. But, whether inexpensive plastic box cameras or deluxe twin lens and single lens reflexes, they were too awkward to be held both horizontally and vertically; consequently, the film format was designed as a square. This way, no matter how the camera was held, the result was the same. Later, when attempts were made to extend the format size of roll film to 6x7, the box was enlarged, but not redesigned to permit holding the camera sideways; it was decided to rotate the film instead.

Both of the above examples may be considered as designing the format to match the camera. Or reworded, placing the cart before the horse.

But, the solutions created more problems than they solved. Although the original square format design eliminated the need to hold the camera sideways, it created a large waste, as negatives required cropping to create a rectangular picture. The rotating back design eliminated the problem of negative waste, but added significant bulk and weight, thereby restricting the use of the camera.

Smaller "ideal" format cameras were then designed to eliminate the rotating back, however, the awkward square box was retained, and the resulting small 6x4.5 format, as the cropped 6x6 square, results in more grain and less sharpness in enlargements.



### The Pentax Answer

When the engineers at Asahi Optical Company set out to design the Pentax 6x7, they started from the right premise: they chose the 6x7 format because it is only slightly larger than the 6x6 square format, but offers a full 50% more usable area. And it enlarges to all standard paper sizes without cropping. That's why it is referred to as the ideal format — "It eliminates the problem of negative waste."

Furthermore, as the 6x7 negative is merely 21% larger than the square format, the engineers were able to make it almost as small as cameras using the smaller negative, but designed it exactly like a 35mm SLR. Thus, it offered superb balance and far excelled the box-shaped cameras in handling ease. And while the box cameras were designed principally for waist-level viewing or use with a tripod and later adapted for eye-level use, the Pentax 6x7 was designed for both hand-holding and eye-level viewing from the very beginning. Its easy handling and rapid response to action facilitates concentration on the image, eliminating the cumbersome operation associated with box-shaped cameras. It's also sealed off from dirt and can be used anywhere — on the ground, vertically on a copy stand, on low-height tripods, in the air, or beneath the sea. . . . The Pentax engineers had the answer. From the very beginning they designed the "ideal camera to match the ideal format."

## 6x7 Viewfinders



### TTL Meter Pentaprism Finder

#### Through-the-lens meter

CdS average metering either at full aperture or stopped-down aperture. Meter needle visible through the viewfinder window. Couples to both shutter-speed dial and diaphragm.

#### Measurement Range

EV 2.5-19 (with ASA 100 film and f/2.4-f/22 lens.)

#### Film Speed and Scale

ASA 12-3200

#### Working Range

Shutter speeds from 1 to 1/1000 sec. with ASA 100 film. Diaphragm settings from f/2 to f/22.

#### Power Source and Consumption

6V silver oxide battery (Eveready # 544) which also powers the shutter mechanism; 4mA.

#### Dimensions

123mm (4.84") W x 58mm (2.28") H x 89mm (3.5") D

#### Weight

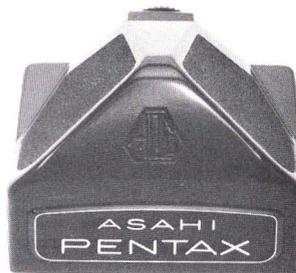
520 grams (1lb. 2 ozs.)

Shutter Dial Adapter



Cat. No.

**37965** TTL Meter Pentaprism Finder 6x7 w/Shutter Dial Adapter w/Case

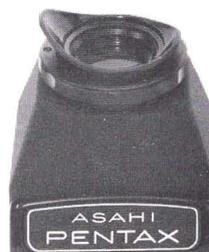


### Pentaprism Finder

This is the standard eye-level, pentaprism finder unit. Extremely compact, it provides large, bright viewing in spite of its size. It weighs only 460 grams and detaches instantly from the camera body for interchanging with the three other finder units. 90% of the taking image on the focusing screen can be seen through the finder eyepiece.

Cat. No.

**37400** Pentaprism Finder 6x7 w/Case

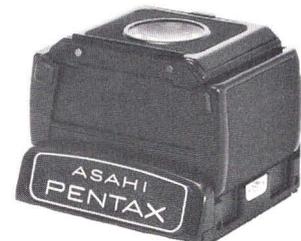


### Rigid Magnifying Hood

This deluxe waist-level type finder completely shields the focusing screen from ambient light for crisp, clear viewing. The 1.3X magnifier can be adjusted to the viewer's eyesight for maximum viewing comfort. The entire focusing screen is visible for a 100% view of the negative area.

Cat. No.

**37406** Rigid Magnifying Hood 6x7 w/Case



### Folding Focusing Hood

The ultra bright waist-level viewing offered by this compact folding finder is ideal for macrophotography and ultra-telephotography. It has a built-in 1.6X magnifier for critical focusing. The magnifier folds out of the way for full-screen focusing and composition. The Folding Focusing Hood simplifies low-angle shooting and shows 100% of the negative area on the screen.

Cat. No.

**37403** Folding Focusing Hood 6x7 w/Case

*For replacement of supplied accessory items, refer to Special Products Section.*

# 6x7 Lenses

## 13 ADDITIONAL REASONS FOR SELECTING THE PENTAX 6x7

Any photographer knows that a precision SLR camera is only as good as its lenses. And the 13 superb SMC Takumar 6x7 lenses give you 13 more substantial reasons for selecting the Pentax 6x7 camera.

While the majority of camera companies are camera manufacturers first and lens makers second, Asahi Optical began as a lens maker, and today is the world's only leading lens maker manufacturing a large format camera. This fact, combined with the company's advanced lens-making technology, assures owners of the Pentax 6x7 the following additional benefits:

- All thirteen SMC Takumar 6x7 lenses are designed exclusively for the Pentax 6x7 camera and feature a precision bayonet mount which matches the camera perfectly. Each lens is as rugged and exact as the camera, providing years of reliable use.

- Asahi Optical's obsession with quality has made PENTAX a household word. All lenses bearing the names SMC Takumar (6x7 lenses) and SMC Pentax (35mm lenses) are computer-generation optics designed in the Company's own engineering department, manufactured in its own factories, and tested in its own laboratories. Meticulous quality control over each step of the manufacturing process assures maximum optical performance with every lens in the line.

- And, because each SMC Takumar lens is made by Asahi Optical Company — and not subcontracted to others — you do not have to pay inflated prices. Each dollar you spend on an SMC Takumar lens pays for quality, nothing more.

- Every SMC Takumar lens features Super-Multi-Coating, Pentax's own unique 7-layer coating process which eliminates flare and squelches ghost images to deliver unexcelled image quality. SMC treated lenses transmit a remarkable 99.8% of the incident light to produce extra-bright images, offer higher resolution, better contrast, and also superb color balance and saturation.

## 6x7 Takumar Lens Specification Cross Reference

Cat. No.	Lens	Diaphragm	Lens Construction	Lens Type	Min. Aperture	Minimum Focal Dist.		Angle of View	Weight		Filter Size	Lens-hood Size (In mm)	Length		Minimum Diameter	
						Feet	Meters		Ozs.	Gm.			In.	mm	In.	mm
29114	Fish-Eye 35mm SMCT 6x7 f/4.5	Fully-Auto.	7-11	Wide Angle Retrofocus	f/22	1.5	0.45	180°	32.5	920	①	—	2.9	73	4.0	102
29214	55mm SMCT 6x7 f/3.5	Fully-Auto.	7-8	Wide Angle Retrofocus	f/22	1.5	0.45	78°	32.5	920	100	100	3.2	82	4.1	103
29224	75mm SMCT 6x7 f/4.5	Fully-Auto.	4-5	Wide Angle Retrofocus	f/22	2.3	0.70	61°	21.2	600	82	82	3.2	81	3.6	91.5
29234	90mm SMCT 6x7 f/2.8	Fully-Auto.	5-6	Leaf Shutter	f/22	2.8	.85	52.5°	21.5	610	67	67	2.5	63	3.6	91.5
29014	105mm SMCT 6x7 f/2.4	Fully-Auto.	5-6	Normal	f/22	3.3	1.00	45°	22.2	628	67	67	2.4	60	3.6	91.5
29814	Macro 135mm SMCT 6x7 f/4.0	Fully-Auto.	3-5	Macro	f/32	2.7	0.85	36°	22.8	645	67	Not Required	3.8	95	3.6	91.5
29314	150mm SMCT 6x7 f/2.8	Fully-Auto.	5-5	Telephoto	f/22	4.9	1.50	33°	27.1	768	67	67	3.6	92	3.6	91.5
29324	200mm SMCT 6x7 f/4.0	Fully-Auto.	4-4	Telephoto	f/22	8.2	2.50	26°	31.7	900	67	*	4.7	120	3.6	91.5
29334	300mm SMCT 6x7 f/4.0	Fully-Auto.	5-5	Telephoto	f/45	16.4	5.00	17°	50.3	1425	82	*	7.3	186	3.7	93
29414	400mm SMCT 6x7 f/4.0	Manual	5-5	Telephoto	f/45	26.2	8.00	12°	90.6	2570	77	*	11.3	287	4.5	115
29424	600mm SMCT 6x7 f/4.0	Manual	5-6	Telephoto	f/45	39.4	12.00	8°	211.6	6000	77	*	14.6	370	6.7	170
29434	800mm SMCT 6x7 f/4.0	Manual	6-6	Telephoto	f/45	65.6	20.00	6°	624.3	17000	77	*	24.1	611	9.3	236
29454	1000mm SMCT-Reflex 6x7 f/8.0	②	4-6	Mirror Reflex-Telephoto	—	114.8	35.00	5°	225.9	6400	③	*	13.9	352	7.1	180

① UV, Y2, O2 & R2 filters built-in.

② ND 2X, 4X, 8X filters built-in.

③ Y2, R2, & ND filters built-in.

\*Lenshood supplied w/lens.

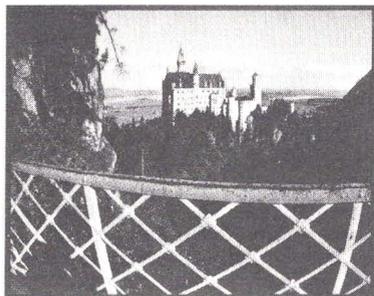
# PENTAX

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## 6x7 Lenses

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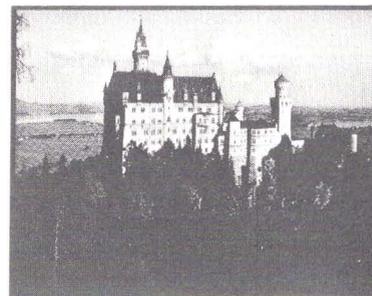
SMC Takumar 6x7 lenses: How focal length alters angle of view.



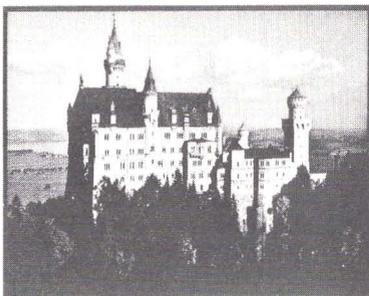
35mm 180°



55mm 78°



75mm 61°



90mm 53°



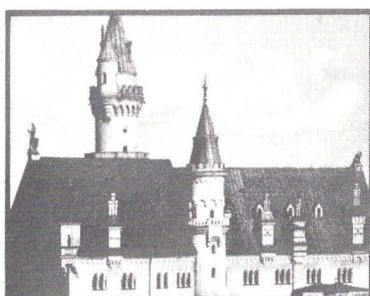
105mm 45°



150mm 33°



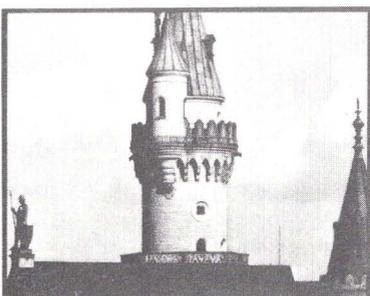
200mm 26°



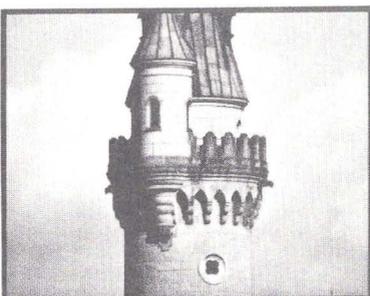
300mm 17°



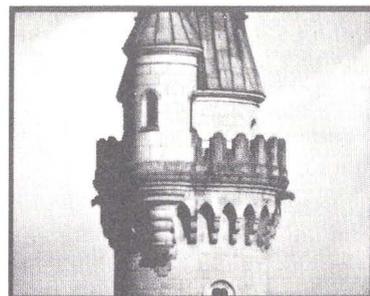
400mm 12°



600mm 8°



800mm 6°



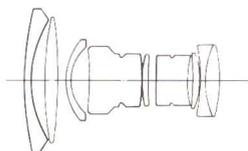
1000mm 5°

NEW 6x7 PRODUCTS

PENTAX

## 6x7 SYSTEM

### New, compact 6x7 Wide-angle... SMC Pentax/6x7 55mm f/4.0



Almost 11 ounces lighter and nearly 1/2 inch slimmer than its predecessor, the new SMC Pentax/6x7 55mm f/4.0 Wide Angle Lens is the perfect complement for the Pentax 6x7 camera providing handling ease, mechanical reliability and exceptional image quality.

#### Specifications

**Minimum Aperture**  
f/22

**Construction**  
9 Elements in 8 Groups

**Diaphragm**  
Full Automatic  
(Inner Bayonet Mount)

**Minimum Focusing Distance**  
0.4 meters (1.3 ft)

**Angles Of View**  
Diagonal: 77° 30'  
Horizontal: 64°  
Vertical: 53°

**Filter Size**  
77mm threaded or bayonet

**Lens Hood Size**  
77mm Spring-type

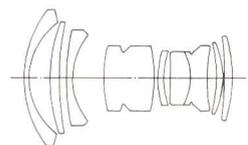
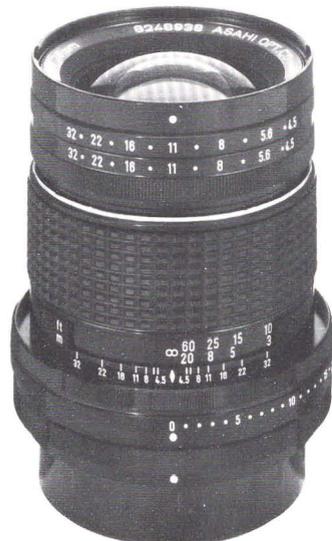
**Overall Size**  
75mm (3") Maximum Diameter  
91.5mm (3.6") Minimum Length (excluding mount)

**Weight**  
615g (21.7 oz)

Cat. No.  
**29264** SMCP/6x7 55mm f/4.0 w/Case  
**37624** Lens Hood for 6x7 55mm f/4.0  
**37707** Case for 6x7 55mm f/4.0 (replacement)

*Note: SMCP/6x7 55mm f/4.0 is not compatible with 6x7 Marine Housing and 95307 Gear Ring Set or 95304 Compensation Lens. Use SMCT/6x7 55mm f/3.5.*

### A Unique Tool For The Architectural Photographer... SMC Pentax 6x7 Shift 75mm f/4.5



Designed for the professional in architectural photography, this unique lens features a continuously variable shift movement up to 20mm off axis for complete control over the degree of correction plus a full 360° lens barrel rotation. Exclusive Super-Multi-Coating minimizes flare and enhances resolution, contrast and color balance.

#### Specifications

**Minimum Aperture**  
f/32

**Construction**  
9 Elements in 8 Groups

**Diaphragm**  
Manual  
(Inner Bayonet Mount)

**Minimum Focusing Distance**  
0.7 meters (2.3 ft)

**Angle of view**  
Diagonal: 61°

**Maximum Shift**  
20mm; Click-stops for each mm of shift

**Lens Rotation**  
360°; Click-stops at 30° intervals

**Filter Size**  
82mm threaded or bayonet  
Gelatin filter holder in rear section of mount

**Overall Size**  
97mm (3.8") Maximum Diameter  
106.5mm (4.2") Minimum Length (excluding mount)

**Weight**  
950g (33.5 oz.)

Cat. No.  
**29225** SMCP/6x7 Shift 75mm f/4.5 w/Case

# PENTAX

## 6x7 SYSTEM

NEW 6x7 PRODUCTS



### The Professional's Choice . . . SMC Pentax 6x7 500mm f/5.6 Telephoto

For the sports or nature professional, the Pentax 6x7 500mm telephoto provides the magnification power necessary to meet even the toughest assignments. It features fully automatic diaphragm control, a lens hood with built-in sight and, like all Pentax optics, exclusive Super-Multi-Coating to minimize flare and improve overall picture quality.

#### Specifications

**Minimum Aperture**  
f/45

**Construction**  
4 elements in 4 groups

**Diaphragm**  
Fully automatic  
(Inner bayonet mount)

**Minimum Focusing Distance**  
8.0 meters (26.3 ft)

**Angle of View**  
Diagonal: 10°

**Filter Size**  
95mm threaded

**Lens Hood**  
Built-in

**Overall Size**  
106.5mm (4.2") Maximum Diameter  
398mm (15.7") Maximum Length (excluding mount)

**Weight**  
3,200 grams (112.9 ounces)

Cat. No.  
**46140** SMCP/6x7 500mm f/5.6 w/Case  
Case for 6x7 500mm f/5.6  
(replacement)

### NEW! SMC 6x7 T6-2X Rear Converter



An ideal accessory for the 6x7 professional who needs telephoto lens versatility with the least amount of added bulk and weight. Doubles the effective focal length of Takumar and Pentax 6x7 telephotos of 135mm or longer (not including 500mm or 1000mm) yet adds only 2.4" (61mm) in length and 15.6 ounces (443g) in weight to ensure maximum handling ease. Super-Multi-Coated 6 element in 5 groups construction.

Cat. No.  
**37956** 6x7 T6-2X Rear Converter w/Case  
**37769** Case for 6x7 T6-2X Rear Converter (replacement)

### NEW! SMC 6x7 Close-Up Lenses



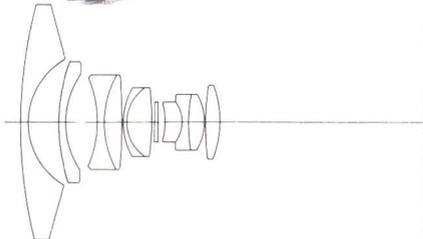
For the ultimate in close-up convenience, SMC 6x7 Close-Up Lenses thread quickly and easily into the filter thread of most standard and medium telephoto 6x7 lenses. Super-Multi-Coated to deliver exceptional image quality even at higher magnifications.

	Lens	Close-Up Lens	Magnification
	SMCT 90mm f/2.8	S82	.11X ~ .24X
	SMCT 105mm f/2.4	S82	.13X ~ .27X
	SMCT 150mm f/2.8	T132	.11X ~ .24X
	SMCT 200mm f/4.0	T132	.15X ~ .26X
		T226	.09X ~ .19X

Cat. No.  
**37830** 6x7 Close-Up Lens 67mm, S82 w/Plastic Case  
**37831** 6x7 Close-Up Lens 67mm, T132 w/Plastic Case  
**37832** 6x7 Close-Up Lens 67mm, T226 w/Plastic Case

# 6x7 Lenses

## 35mm SMCT Fish-Eye 6x7 f/4.5



**Minimum aperture:**  
22

**Diaphragm:**  
Fully Automatic (Inner Bayonet Mount)

**Nearest focus distance:**  
0.45m (1.48 ft.)

**Image magnification at nearest distance:**  
0.117x

**Ratio of image size at infinity to image of 105mm lens:**  
1:3

**Angles of view**  
Diagonal: 180°  
Horizontal: 119°30'  
Vertical: 92°30'

**Filter size (inside screw diameter):**  
UV, Y2, O2 & R2 filters built-in

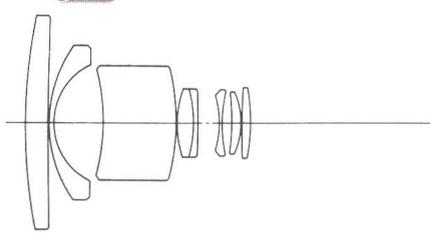
**Lens hood size:**  
None

**Overall size:**  
102mm (diameter); 73mm (length)

**Weight:**  
920 g (32.5 oz)

Cat. No.  
**29114** SMCT Fish-Eye 6x7 35mm f/4.5 w/Case

## 55mm SMCT 6x7 f/3.5



**Minimum aperture:**  
22

**Diaphragm:**  
Fully Automatic (Inner Bayonet Mount)

**Nearest focus distance:**  
0.45m (1.48 ft.)

**Image magnification at nearest distance:**  
0.197x

**Ratio of image size at infinity to image of 105mm lens:**  
1:1.9

**Angles of view**  
Diagonal: 77°30'  
Horizontal: 64°  
Vertical: 53°

**Filter size (inside screw diameter):**  
100mm

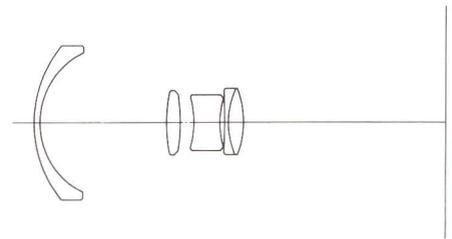
**Lens hood size:**  
100mm

**Overall size:**  
103mm diameter; 82mm length

**Weight:**  
920 g (32.5 oz)

Cat. No.  
**29214** SMCT 6x7 55mm f/3.5 w/Case

## 75mm SMCT 6x7 f/4.5



**Minimum aperture:**  
22

**Diaphragm:**  
Fully Automatic (Inner Bayonet Mount)

**Nearest focus distance:**  
0.70m (2.3 ft.)

**Image magnification at nearest distance:**  
0.145x

**Ratio of image size at infinity to image of 105mm lens:**  
1:1.4

**Angles of view**  
Diagonal: 61°  
Horizontal: 49°30'  
Vertical: 40°15'

**Filter size (inside screw diameter):**  
82mm

**Lens hood size:**  
82mm

**Overall size:**  
91.5mm (diameter); 81mm (length)

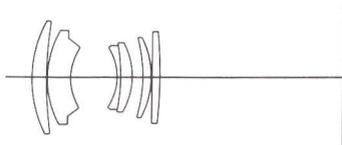
**Weight:**  
600 g (21.2 oz)

Cat. No.  
**29224** SMCT 6x7 75mm f/4.5 w/Case

All SMCT 6x7 Pentax lenses include a front and rear lens cap and are supplied with a genuine black leather case with strap.

# PENTAX

## 6x7 Lenses



### LEAF SHUTTER LENS FOR MULTIPLE EXPOSURES, FILL-IN FLASH SYNCHRONIZATION

## 90mm SMCT 6x7 f/2.8

**Minimum aperture:**  
22

**Diaphragm:**  
Fully-automatic (Inner Bayonet Mount)

**Nearest focus distance:**  
0.85m (2.79 ft)

**Image magnification at nearest distance:**  
0.136x

**Image ratio at nearest distance:**  
1: 7.37 (0.136x)

**Ratio of image size at infinity to image of 105mm lens:**  
1:1.2

**Angles of view**  
Diagonal: 52°15'  
Horizontal: 42°  
Vertical: 34°

**Filter size (inside screw diameter):**  
67mm

**Lens hood size:**  
67mm

**Overall size:**  
91.5mm (diameter) × 62.5mm (length)

**Weight:**  
610 g (21.5 oz)

Cat. No.  
**29234** SMCT 6x7 90mm f/2.8 (Leaf Shutter) w/Case

All Takumar 6x7 Pentax lenses include a front and rear lens cap and are supplied with a genuine black leather case with strap.

The 90mm f/2.8 Leaf Shutter SMC Takumar 6x7 lens greatly increases the picture-taking versatility of the 6x7 camera. This multi-functional lens features its own shutter speed settings for flash synchronization from 1/30 to 1/500 sec., and also produces easy and efficient multiple exposures. In addition, it features a built-in X flash terminal as well as a cable-release contact.

Used as is without cocking the leaf shutter, it functions as a normal lens. And, depending upon how it is set when the leaf shutter is cocked, it may be used either for flash synchronization or multiple exposures. For flash synchronization at speeds in excess of 1/30 of a second — a must for outdoor portraits requiring fill-in flash — simply set the camera's shutter speed dial to 1/8 sec. or slower (so that the camera shutter will not interfere with the operation of the lens shutter) and set the U-S lever on the leaf shutter lens to "U." Then set an appropriate shutter speed for the lens shutter and connect an electronic flash to the lens' X terminal.

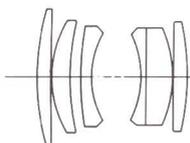
Now, when you compose and trip the camera shutter, your exposures will be made by the leaf shutter lens.

For maximum creative freedom with minimum trouble in producing multiple exposures, set the U-S lever to "S," cock the lens shutter and set its speed. Then, lock the camera shutter open by setting the camera's shutter dial to the special "time" position and make the exposure with the lens shutter. And you have a choice: trip the lens shutter by connecting a cable release to the lens and cocking the lens after each exposure. Or, manually slide the U-S lever back to "U." Then cock, reset and shoot again. When you've made as many exposures as you desire, simply release the camera shutter from the "time" position by turning the shutter-speed dial to 1/1000 or X.

Add new Dimensions to your Creativity with the 90mm Takumar Leaf Shutter Lens — another reason why we call the Pentax 6x7 "the Super SLR."

# 6x7 Lenses

## 105mm SMCT 6x7 f/2.4



**Minimum aperture:**  
22

**Diaphragm:**  
Fully Automatic (Inner Bayonet Mount)

**Nearest focus distance:**  
1.00m (3.3 ft)

**Image magnification at nearest distance:**  
0.134x

**Angles of view**  
Diagonal: 45°30'  
Horizontal: 36°30'  
Vertical: 29°30'

**Filter size (inside screw diameter):**  
67mm

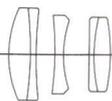
**Lens hood size:**  
67mm

**Overall size:**  
91.5mm (diameter); 60mm (length)

**Weight:**  
628 g (22.2 oz)

Cat. No.  
**29014** SMCT 6x7 105mm f/2.4 w/case.

## 135mm SMCT Macro 6x7 f/4.0



**Minimum aperture:**  
32

**Diaphragm:**  
Fully Automatic (Inner Bayonet Mount)

**Nearest focus distance:**  
0.85m (2.8 ft)

**Image magnification at nearest distance:**  
0.31x  
**Ratio of image size at infinity to image of 105mm lens:**  
1.3:1

**Angles of view**  
Diagonal: 36°  
Horizontal: 28°45'  
Vertical: 23°

**Filter size (inside screw diameter):**  
67mm

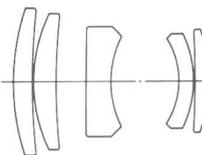
**Lens hood size:**  
Not required

**Overall size:**  
91.5mm (diameter) x 95mm (length)

**Weight:**  
645 g (22.75 oz)

Cat. No.  
**29814** SMCT Macro 6x7 135mm f/4.0 w/Case.

## 150mm SMCT 6x7 f/2.8



**Minimum aperture:**  
22

**Diaphragm:**  
Fully Automatic (Inner Bayonet Mount)

**Nearest focus distance:**  
1.50m (4.9 ft)

**Image magnification at nearest distance:**  
0.125x  
**Ratio of image size at infinity to image of 105mm lens:**  
1.4:1

**Angles of view**  
Diagonal: 33°  
Horizontal: 25°30'  
Vertical: 20°30'

**Filter size (inside screw diameter):**  
67mm

**Lens hood size:**  
67mm

**Overall size:**  
91.5mm (diameter); 92mm (length)

**Weight:**  
768 g (27.1 oz)

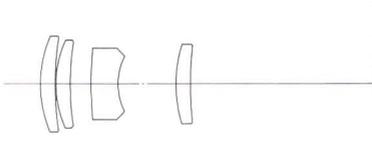
Cat. No.  
**29314** SMCT 6x7 150mm f/2.8 w/Case.

All SMCT 6x7 Pentax lenses include a front and rear lens cap and are supplied with a genuine black leather case with strap.

# PENTAX

## 6x7 Lenses

### 200mm SMCT 6x7 f/4.0



**Minimum aperture:**  
22

**Diaphragm:**  
Fully Automatic (Inner Bayonet Mount)

**Nearest focus distance:**  
2.50m (8.2 ft)

**Image magnification at nearest distance:**  
0.096x

**Ratio of image size at infinity to image of 105mm lens:**  
1.9:1

**Angles of view**  
Diagonal: 26°  
Horizontal: 19°30'  
Vertical: 15°30'

**Filter size (inside screw diameter):**  
67mm

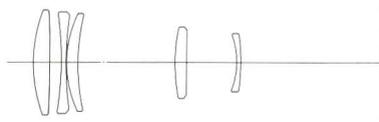
**Lens hood size:**  
Built-in

**Overall size:**  
91.5mm (diameter); 120mm (length)

**Weight:**  
900 g (31.7 oz)

Cat. No.  
**29324** SMCT 6x7 200mm f/4.0 w/Case

### 300mm SMCT 6x7 f/4.0



**Minimum aperture:**  
45

**Diaphragm:**  
Fully Automatic (Inner Bayonet Mount)

**Nearest focus distance:**  
5.0m (16.4 ft)

**Image magnification at nearest distance:**  
0.071x

**Ratio of image size at infinity to image of 105mm lens:**  
2.9:1

**Angles of view**  
Diagonal: 16°45'  
Horizontal: 13°  
Vertical: 10°30'

**Filter size (inside screw diameter):**  
82mm

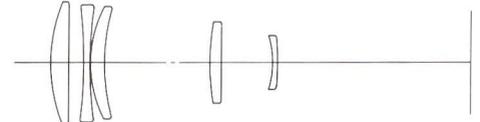
**Lens hood size:**  
Built-in

**Overall size:**  
93mm (diameter); 186mm (length)

**Weight:**  
1425 g (50.3 oz)

Cat. No.  
**29334** SMCT 6x7 300mm f/4.0 w/Case

### 400mm SMCT 6x7 f/4.0



**Minimum aperture:**  
45

**Diaphragm:**  
Manual (Outer Bayonet Mount)

**Nearest focus distance:**  
8.0m (26.2 ft)

**Image magnification at nearest distance:**  
0.057x

**Ratio of image size at infinity to image of 105mm lens:**  
3.8:1

**Angles of view**  
Diagonal: 12°30'  
Horizontal: 9°45'  
Vertical: 7°45'

**Filter size (inside screw diameter):**  
77mm

**Lens hood size:**  
Built-in

**Overall size:**  
115mm (diameter); 287mm (length)

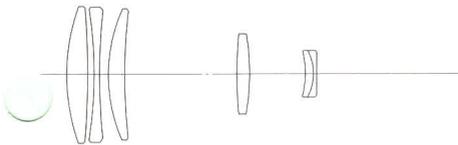
**Weight:**  
2570 g (90.6 oz)

Cat. No.  
**29414** SMCT 6x7 400mm f/4.0 w/Case

All SMCT 6x7 Pentax lenses include a front and rear lens cap and are supplied with a genuine black leather case.

**6x7 Lenses**

**600mm  
SMCT  
6x7 f/4.0**



**Minimum aperture:**  
45

**Diaphragm:**  
Manual (Outer Bayonet Mount)

**Nearest focus distance:**  
12.0m (39.4 ft)

**Image magnification at nearest distance:**  
0.059x

**Ratio of image size at infinity to image of 105mm lens:**  
5.7:1

**Angles of view**  
Diagonal: 8°15'  
Horizontal: 6°30'  
Vertical: 5°15'

**Filter size (inside screw diameter):**  
77mm (rear-mount)

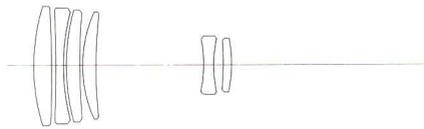
**Lens hood size:**  
Built-in

**Overall size:**  
170mm (diameter); 370mm (length)

**Weight:**  
6000 g (211.6 oz)

Cat. No.  
**29424** SMCT 6x7 600mm f/4.0 w/Metal Case

**800mm  
SMCT  
6x7 f/4.0**



**Minimum aperture:**  
45

**Diaphragm:**  
Manual (Outer Bayonet Mount)

**Nearest focus distance:**  
20.0m (65.6 ft)

**Image magnification at nearest distance:**  
0.044x

**Ratio of image size at infinity to image of 105mm lens:**  
7.6:1

**Angles of view**  
Diagonal: 6°15'  
Horizontal: 5°  
Vertical: 4°

**Filter size (inside screw diameter):**  
77mm (rear-mount)

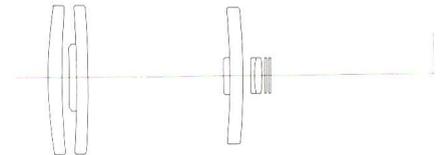
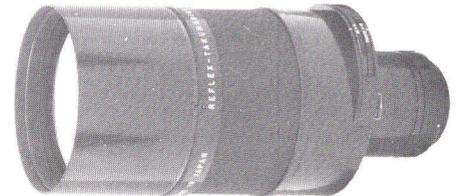
**Lens hood size:**  
Built-in

**Overall size:**  
236mm (diameter); 611mm (length)

**Weight:**  
17,700 g (624.3 oz.)

Cat. No.  
**29434** SMCT 6x7 800mm f/4.0 w/Metal Case

**1000mm  
SMCT Reflex  
6x7 f/8.0**



**Minimum aperture:**  
45

**Diaphragm:**  
None, single aperture; built-in ND filters adjust light intake. (Outer Bayonet Mount)

**Nearest focus distance:**  
35.0m (114.8 ft); rack-and-pinion focusing

**Image magnification at nearest distance:**  
0.037x

**Ratio of image size at infinity to image of 105mm lens:**  
9.5:1

**Angles of view**  
Diagonal: 5°  
Horizontal: 4°  
Vertical: 3°

**Filters:**  
Built-in Y2, R2 & ND (67mm rear-mount)

**Lens hood size:**  
Built-in

**Overall size:**  
180mm (diameter) x 352mm (length)

**Weight:**  
6,400 g (225.9 oz)

Cat. No.  
**29454** SMCT Mirror Reflex 6x7 1000mm f/8.0 w/Metal Case.

All SMCT 6x7 Pentax lenses include a front and rear lens cap and are supplied with a case.

# PENTAX

## 6x7 Marine Underwater Housing

Pentax introduces the all new Pentax 6x7 Marine — The first underwater housing ever made for an ideal format SLR. It lets you see the fantastic “world below” with clarity, ease and results never before possible.

Now, for the first time in history, you can shoot the big picture of the underwater universe — with the world's first housing made exclusively for an ideal format 6x7 SLR: the Pentax 6x7 Marine.

The fish, the plants, even the vibrating currents of the water itself are yours, thanks to the superb Super-Multi-Coated Takumar lenses.

And because the camera you're using is the Pentax 6x7 SLR, your underwater photography will combine greater ease of handling with more successful results than you've ever before considered possible.

The three interchangeable lens housings (ports) of the Pentax 6x7 Marine accommodate any of seven different SMC Takumar/6x7 lenses, transforming the Pentax 6x7 into the world's most versatile underwater camera. Whether fish-eye, wide-angle, standard, telephoto or macro, any of these lenses can accompany you on your journey 164 feet below the surface of the sea.

Maneuverability is assured, for the underwater housing, camera and 55mm wide-angle lens total only 2.2 pounds when used underwater — less than the weight of just the 6x7 camera body on land!

Additional features include oversize controls on the housing for ease of handling, special viewfinders, flash connections for all popular flash units, and a special coating applied to all three front lens housings.

The Super SLR and The Ultimate Underwater Housing. The Combination for the best results beneath the surface of the sea.



### Specifications

#### Camera:

Pentax 6x7 (up to 20 2¼ x 2¾" exposures per roll)

#### Interchangeable Lens Housings (Ports):

Standard Lens Housing  
Fish-Eye Lens Housing  
Macro/Tele Lens Housing

#### Depth Capability:

Up to 164 feet (50 meters);  
(6 atmospheres)

#### Flash Connection:

X and FP Sync; Supplied with Nikonos III waterproof connector and Rollei-type terminals. Adapts to E/O, Nikonos II, etc.

#### Construction:

Non-corrosive aluminum alloy, salt water resistant paint, O-Rings for each joining part, external shutter-speed dial, diaphragm ring dial and focusing knob with distance scale window, all dials are sure-grip.

#### Size:

12" W x 9.7" H (308mm x 246mm) Depth dimension varies by Lens Housing.

#### Weight:

Body Housing Only: 14.6 lbs (6.6kg) Out-Of-Water; Underwater with Body Housing plus Standard Lens Housing plus 55mm lens: 2.2 lbs (1kg)

#### Viewfinder:

Field of vision identical to 6x7 Camera. Supplied with Underwater Viewfinder with .6x magnification.

#### Other:

Supplied with Spare O-Ring and O-Ring Grease. Order Lens Housings (Ports), Gear Ring Sets and Accessories separately.

Cat. No.

**95300** 6x7 Marine Body Housing

Standard Set:

Cat. No.

**95300** 6x7 Marine Body Housing

**95302** 6x7 Standard Lens Housing

**95307** 6x7 Marine Gear Ring Set/SMCT 55/3.5

**95304** 6x7 Marine Compensation Lens SMCT 55/3.5

# 6x7 Marine Underwater Housing



**6x7 Marine Housing — Standard Lens Housing**



**Fish-Eye Port — Macro/Tele Lens Housing**

The Standard Lens Housing (Port) accommodates three 6x7 SMCT lenses: SMCT/6x7 55mm f/3.5; SMCT/6x7 75mm f/4.5; and the standard SMCT/6x7 105mm f/2.4, allowing you wide-angle to "normal" focal lengths with the use of only one port. With this lens housing, the total housing measures 12"W x 9.7"H x 9.6"D (308mm x 246mm x 245mm). Order respective gear-ring sets separately.

Cat. No.  
**95302** 6x7 Marine Standard Lens Housing



### Gear Ring Sets

Each set contains one ring to fit around the focusing mount of the lens, and another fits around the diaphragm ring of the lens. These precision gears connect with the gear controls of the body housing and insure easy and precise operation. A separate gear-ring set must be ordered for each different focal-length lens.

Cat. No.  
**95306** 6x7 Marine Gear Ring Set/SMCT 35mm/4.5  
**95307** 6x7 Marine Gear Ring Set/SMCT 55mm/3.5  
**95308** 6x7 Marine Gear Ring Set/SMCT 75mm/4.5  
**95309** 6x7 Marine Gear Ring Set/SMCT 105mm/2.4  
**95310** 6x7 Marine Gear Ring Set/SMCT 135mm/4.0  
**95311** 6x7 Marine Gear Ring Set/SMCT 150mm/2.8  
**95312** 6x7 Marine Gear Ring Set/SMCT 200mm/4.0



### Compensation Lens for SMCT/6x7 55mm f/3.5

When using wide-angle lenses with a flat front port, distortion will be evident in the corners and edges of the film. The use of this lens will correct for this distortion and will also correct chromatic aberration. It is only required for the SMCT/6x7 55mm lens (100mm filter size) and weighs 15.5oz (440g).

Cat. No.  
**95304** 6x7 Marine Compensation Lens 55mm/3.5



Nikonos Bracket Adapter



Adapter for Rollei flash gun adapter (Power supply battery)

### Marine Flash Bracket Adapters

These adapters attach to the Marine Body Housing and permit popular flash units with brackets to be easily attached. The Nikonos Bracket Adapter is used for Nikonos flash units, Sunpack Marine, Toshiba and other similar units. The Rollei Bracket Adapter is for Rollei type flash units which do not have their own power source. A Battery Holder is supplied with this adapter which fits inside the 6x7 Marine Body Housing and is powered by a 22.5v battery (M215 or equiv.).

The 6x7 Marine Housing is furnished with a Nikonos III type waterproof connector with both X and FP terminals available on the camera, in addition to exposed Rollei-type flash terminals on the housing. Adapters are readily available to adapt the Nikonos III type to E/O, Nikonos II, etc. If you are unable to obtain the required adapter, contact Pentax Corporation for a list of sources.

Cat. No.  
**95313** 6x7 Marine Nikonos Bracket Adapter  
**95314** 6x7 Marine Rollei Bracket Adapter (Includes battery holder)

For replacement O-Rings, and other supplied accessory items refer to Special Products Section.

The Fish-Eye Lens Housing port is for the exclusive use of the SMCT/6x7 35mm f/4.5 Fish-Eye lens, and it is mounted with a rugged flange to protect the protruding front element of the port. Spectacular effects are obtained with the use of this lens and housing, and the overall dimensions including the body housing are 12"Wx9.7"Hx8.3"D (308mm x 246mm x 210mm). Requires gear-ring set. Order Front Housing Protector flange separately.

The Macro/Tele Lens Housing Port has been designed to accommodate the SMCT/6x7 135mm f/4.0 Macro lens enabling you to obtain undistorted, factual, close-up underwater photographs. This lens housing will also accept the SMCT/6x7 150mm f/2.8 and SMCT/6x7 200mm f/4.0 lenses, and measures 12"W x 9.7"H x 11.4"D (308mm x 246mm x 290mm) when attached to the body housing. Order respective gear-ring sets separately.

Cat. No.  
**95301** 6x7 Marine Fish-Eye Lens Housing (requires 95305)  
**95305** 6x7 Marine Fish-Eye Housing Protector  
**95303** 6x7 Marine Macro/Tele Lens Housing



### Marine Mirror Finder Underwater Viewfinder

The Mirror Finder shows 100% of the negative area with 1.8x magnification (with normal lens). The image is laterally reversed (backwards and upside down) and is very useful when a large viewfinder image is required.

The Underwater Viewfinder is supplied with the Marine Body Housing and provides .6x magnification. It fits the eyepiece socket of the standard 6x7 Pentaprism Finder and enables unobstructed viewing of the subject. *Note: The 6x7 TTL Pentaprism Finder is not designed for the 6x7 Marine Housing, and the Shutter-Speed Dial Ring will not connect to it.*

Cat. No.  
**95315** 6x7 Marine Mirror Finder

## 6x7 Accessories

### VIEWFINDER ACCESSORIES



#### Right-Angle Finder

Attaches to the eyepiece of the standard and TTL Meter Pentaprism Finders for low-angle photography. The image is both laterally correct and unreversed. The entire focusing screen, as well as the exposure meter indicator needle of the TTL Meter Pentaprism Finder, is visible. The eyepiece adjusts from +3 to -5 diopter and accepts the accessory eyecup.

Cat. No.  
**37420** 6x7 Right Angle Finder w/Case



#### Magnifier

Magnifies the central area of the focusing screen by 2X for critical focusing. The eyepiece of the magnifier has a built-in diopter adjustment for optimum viewing comfort. It is hinged at the top, allowing it to be raised out of the way for a final check of the overall composition. Supplied with case.

Cat. No.  
**37421** 6x7 Magnifier 2X w/Case



#### 6x7 Correction Lenses

They attach to the eyepiece of the pentaprism finders to correct for near and farsightedness. Available in seven strengths: +2, +1, -1, -2, -3, -4, -5.

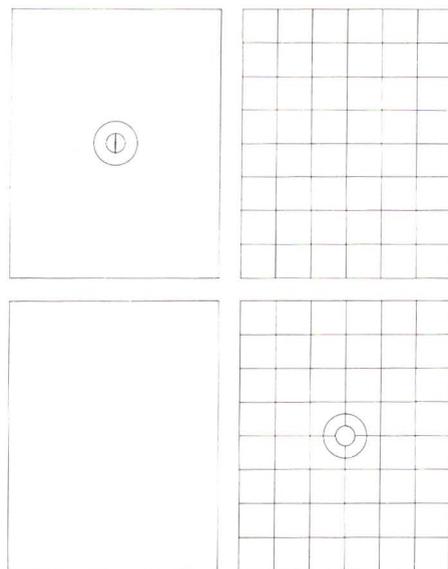
Cat. No.  
**37411** -5 Diopter Correction Lens 6x7  
**37412** -4 Diopter Correction Lens 6x7  
**37413** -3 Diopter Correction Lens 6x7  
**37414** -2 Diopter Correction Lens 6x7  
**37415** -1 Diopter Correction Lens 6x7  
**37416** +1 Diopter Correction Lens 6x7  
**37417** +2 Diopter Correction Lens 6x7



#### Eyecup

The rubber Eyecup attaches to the eyepiece of the pentaprism and right-angle finders to prevent extraneous light from obstructing the view or adversely affecting the TTL exposure meter.

Cat. No.  
**37410** 6x7 Eye Cup



### FOCUSING SCREENS

The 6x7 focusing screens are varied in design for a wide range of specialized applications requiring accurate alignment of image patterns such as in architectural photography, advertising and copy work. In addition to the standard focusing screen, others are available and can be installed at your nearest Pentax Service Center. Each of the focusing screens is equipped with a unique double Fresnel lens for exceptionally bright viewing and even illumination across the entire field. The standard screen features a matte field with central microprism spot, while the others are: matte with central split-image spot, all-matte, matte with crosslines, matte with crosslines and central microprism spot.

Cat. No.  
**37443** Matte with cross lines and microprism spot.  
**37444** Matte with central split-image spot.  
**37448** All Matte.  
**37449** Matte with crosslines.

*For ordering information, refer to Special Products Section.*

## 6x7 Accessories

### • MACROPHOTO AND COPYING ACCESSORIES



#### Auto Extension Tube Set

A set of three extension tubes can be used singularly or in combination on the inner bayonet mount of the Pentax 6x7 with all lenses from 55mm wide-angle to 300mm telephoto. Fully automatic diaphragm action is retained and magnifications greater than life-size can be produced.

Cat. No.  
**37910** 6x7 Auto Extension Tube Set w/Case



#### Extension Tube Set

A two piece extension tube set used on the outer bayonet mount of the Pentax 6x7 to extend the minimum focusing distance of all ultra telephoto lenses (400mm and longer). The tubes can be used in combination with each other or with the Pentax Rear Converter.

Cat. No.  
**37900** 6x7 Extension Tube Set w/Case



#### Helicoid Extension Tube

This single extension tube, which is used on the inner bayonet mount of the Pentax 6x7, offers continuously variable extension for precise control of the image size. It is equal to the No. 2 Auto Extension Tube at minimum extension, and to the No. 3 Auto Extension Tube at maximum extension. When used in combination with the standard lens, magnification is 0.3X - 0.6X, making it possible to fill the frame with a king-size pack of cigarettes.

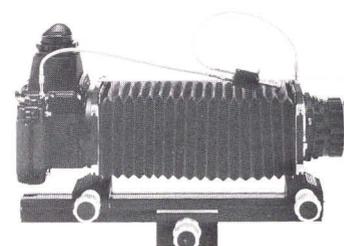
Cat. No.  
**37919** 6x7 Helicoid Extension Tube w/Case



#### Copy Stand 6x7

This deluxe copy stand has double posts, providing rigid support for the Pentax 6x7. When the camera and lens is combined with extension tubes or bellows, the Copy Stand offers convenience and flexibility for copy work and macrophotography.

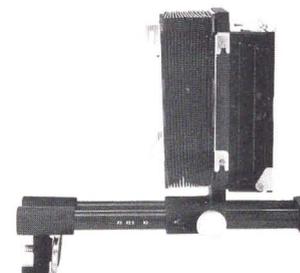
Cat. No.  
**37920** 6x7 Copy Stand



#### Auto Bellows

Magnification of 0.5X to 3.3X is possible with the combination of Auto Bellows and standard lens. Diaphragm automation is retained with the aid of a double cable release, even when the lens is mounted in reverse. All lenses from 90mm to 300mm can be used with the Auto Bellows. Supplied with double cable release and magnification scale.

Cat. No.  
**37930** 6x7 Auto Bellows Set.



#### Slide Copier

The Slide Copier is used in conjunction with the Auto Bellows unit to make copies of mounted or unmounted transparencies, whether of the 35mm or 6x7 format. Life-size or partially cropped duplicates can be made from originals.

Cat. No.  
**37945** 6x7 Slide Copier

*Refer to Accessories Section for reducing 6x7 transparencies to 35mm.*

*For replacement of supplied accessory items, refer to Special Products Section.*

## 6x7 Accessories

### • LENS ACCESSORIES



#### Front Lens Caps

Front Lens Caps are available to protect the front element of the lens or a filter from dirt, scratches, and smudges. The caps bayonet into place to prevent accidental removal.

#### Rear Lens Caps

Used to prevent dirt from entering the rear of any lens when it is stored separately.

- Cat. No.
- 37810** 6x7 67mm Lens Cap
  - 37811** 6x7 77mm Lens Cap
  - 37812** 6x7 82mm Lens Cap
  - 37814** 6x7 100mm Lens Cap
  - 37815** 6x7 103mm Lens Caps
  - 37800** 6x7 Rear Lens Cap, Inner Bayonet
  - 37801** 6x7 Rear Lens Cap, Outer Bayonet



#### Lens Hoods

Whenever possible, the use of lens hoods is recommended as they help to maintain high contrast and increase color saturation by reducing the amount of stray light striking the lens. They are available for the following lenses: 55mm, 75mm, 90mm, 105mm, 135mm, 150mm. For convenience, telephoto lenses have built-on lens hoods.

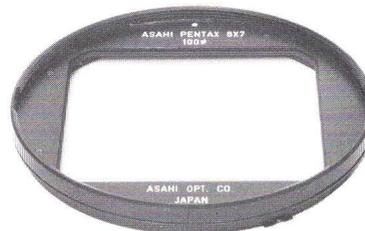
- Cat. No.
- 37620** Lens Hood for 6x7 55mm f/3.5
  - 37622** Lens Hood for 6x7 75mm f/4.5
  - 37602** Lens Hood for 6x7 90mm f/2.8
  - 37600** Lens Hood for 6x7 105mm f/2.4
  - 37630** Lens Hood for 6x7 150mm f/2.8



#### 6x7 Lens Adapter

This adapter fits either Pentax Bayonet or Screw Mount cameras and permits the use of 6x7 SMCT Lenses with them. With this adapter, the lens will focus to infinity, however it cannot be used with automatic diaphragm or open aperture metering. When used on any Pentax automatic camera (ME, K2, K2DMD, or ES, ESII) full exposure automation is retained within the measurable range. When used with 6x7 SMCT lenses with a built-in tripod socket, this adapter allows the camera to change its position vertically or horizontally while the lens remains on the tripod.

- Cat. No.
- 37954** 6x7 Lens Adapter (B) for Pentax Bayonet Mount Cameras
  - 37953** 6x7 Lens Adapter (S) For Pentax Screw Mount Cameras [May be used on Bayonet Mount cameras with Mount Adapter (B)]



#### Gelatin Filter Frames

Available in three sizes (67mm, 82mm, 100mm) all of which accept standard 75mm gelatin filter squares. The filter frames allow the use of two gelatin filters at a time.

- Cat. No.
- 37591** 67mm Gelatin Filter Frame
  - 37592** 82mm Gelatin Filter Frame
  - 37593** 100mm Gelatin Filter Frame

#### Pentax 6x7 Filters

Two types of Pentax filters (SMC and conventional) are available in four sizes. These filters bayonet directly onto the lens, and additional bayonet or threaded filters may also be used.

SMC filters are multi-layered coated as precisely as are 6x7 Super-Multi-Coated Takumar lenses themselves.

Size	Type	6 x 7 SMC Filters	6x7 Filters
67mm	Skylight (1A)	<b>37516</b>	
	UV	<b>37506</b>	
	Polarizing		<b>37513</b>
	Med. Yellow - Y2 (8)	<b>37507</b>	
	Med. Orange - O2 (23A)	<b>37508</b>	
	Med. Red - R2 (25)	<b>37509</b>	
77mm	Cloudy (81A)	<b>37517</b>	
	Morning & Eve. (82A)		<b>37512</b>
	Skylight (1A)	<b>37536</b>	
	UV	<b>37526</b>	
82mm	Med. Yellow - Y2 (8)	<b>37527</b>	
	Med. Orange - O2 (23A)	<b>37528</b>	
	Med. Red - R2 (25)	<b>37529</b>	
	Cloudy (81A)	<b>37537</b>	
	Morning & Eve. (82A)		<b>37532</b>
	Skylight (1A)	<b>37556</b>	
100mm	UV	<b>37546</b>	
	Med. Yellow - Y2 (8)	<b>37547</b>	
	Med. Orange - O2 (23A)	<b>37548</b>	
	Med. Red - R2 (25)	<b>37549</b>	
	Cloudy (81A)	<b>37557</b>	
	Morning & Eve. (82A)		<b>37552</b>
100mm	Skylight (1A)	<b>37576</b>	
	UV	<b>37566</b>	
	Med. Yellow - Y2 (8)	<b>37567</b>	
	Med. Orange - O2 (23A)	<b>37568</b>	
	Med. Red - R2 (25)	<b>37569</b>	
	Cloudy (81A)	<b>37577</b>	
Morning & Eve. (82A)		<b>37572</b>	

## 6x7 Accessories

### ● CAMERA BODY ACCESSORIES



#### 49mm Reverse Adapter

This adapter makes it possible to use 49mm filter size lenses mounted in reverse on the Helicoid Extension Tube for macrophotography. Lenses designed for the Pentax ME & MX (e.g. SMC Pentax-M 28mm, 35mm, standard and macro lenses) and Pentax S Series cameras (SMC Super Takumar lenses) may be used.

Cat. No.  
**37943** 6x7 49mm Reverse Adapter



#### 67mm Reverse Adapter

The 67mm Reverse Adapter makes it possible to use the 90, 105, and 135mm lenses mounted in reverse on the Helicoid Extension Tube, Auto Extension Tubes, or Auto Bellows for superior optical performance when working at greater-than-life-size magnification.

Cat. No.  
**37941** 6x7 67mm Reverse Adapter



#### Grip

The grip can easily be attached or removed with a single hand and has an accessory shoe to accept flash units. Once attached to the camera, this accessory offers a secure grip for the left hand.

Cat. No.  
**37970** 6x7 Hand Grip



#### Quick Focusing Rings

With the Quick Focusing Ring in place it is possible to focus the lens with the fingers of the left hand at the same time they grasp the camera Grip. Quick Focusing rings are available in two types: A-type (for use with 105mm, 135mm, 150mm, 200mm lenses) and B-type (for 35mm, 55mm, 75mm, 90mm lenses).

Cat. No.  
**37980** 6x7 Quick Focus Ring (A)  
**37982** 6x7 Quick Focus Ring (B)



#### Camera Neck Strap

This robust strap is specifically designed to support the Pentax 6x7 without tangling and attaches to the camera body in a moment. The camera has four strap lugs, to permit attaching an extra strap or hanging the camera vertically. (Supplied with 6x7 camera body).

Cat. No.  
**37430** 6x7 Camera Neck-Strap



#### Remote Battery Cord

When batteries are used at below-freezing temperatures, their voltage may drop, causing malfunction of the electronic shutter. The Remote Battery Cord is designed to eliminate the possibility of this problem occurring with the Pentax 6x7. One end of the cord contains the battery chamber and fits in a warm pocket, while the opposite end of the cord is plugged into the camera.

Cat. No.  
**37990** Remote Battery Cord  
w/battery chamber protector

*For replacement of supplied accessory items, refer to Special Products Section*

## 6x7 Accessories

### ● CAMERA BODY ACCESSORIES



#### Body Mount Cap

Used to prevent dirt from entering into the mirror chamber when the camera body is stored without a lens. (Supplied with 6x7 camera body).

Cat. No.  
**37432** Body Mount Cap 6x7



#### Viewfinder Cap

Used to protect any 6x7 interchangeable viewfinder when stored off the camera. (Supplied with all 6x7 viewfinders).

Cat. No.  
**37433** Prism Cap 6x7



#### Body Viewfinder Cap

Used to protect the focusing screen when the camera is stored without a viewfinder. (Supplied with 6x7 camera body).

Cat. No.  
**37434** Body Viewfinder Cap 6x7



#### Cable Release I

10" long with rotating thread mount and screw locking position.

Cat. No.  
**30090** Cable Release I



#### Cable Release II

12" long with rotating thread mount and locking collar for "time" exposures.

Cat. No.  
**30092** Cable Release II



#### Double Cable Release for 6x7 Auto Bellows

Permits use of the fully automatic diaphragm of lenses in either normal or reversed position. (Included with 6x7 Auto Bellows Unit)

Cat. No.  
**30033** Double Cable Release for 6x7 Auto Bellows

### ● Cases



#### Soft Lens Case

Because they occupy less space than hard cases, these soft buckskin cases are ideal for protecting lenses when space is limited.

Cat. No.  
**37780** 6x7 Soft Lens Case

### ● CASES



#### Hard Lens Cases

These quality hard leather cases offer optimum protection for Takumar 6x7 lenses. They are individually designed for each lens, and include a strap. A hard case is supplied with every SMCT 6x7 lens.

Cat. No.

- 37700** Case for 6x7 105mm f/2.4
- 37701** Case for 6x7 35 mm f/4.5
- 37702** Case for 6x7 55 mm f/3.5
- 37703** Case for 6x7 75 mm f/4.5
- 37704** Case for 6x7 90 mm f/2.8
- 37710** Case for 6x7 150mm f/2.8
- 37711** Case for 6x7 200mm f/4.0
- 37712** Case for 6x7 300mm f/4.0

*For other 6x7 lens cases, refer to Special Products Section.*



#### Carrying Case

A compact case which will hold camera with standard lens and some accessories such as filters, cable releases, and film. Designed to offer adequate protection for the camera, which easily slides in and out of the case.

Cat. No.  
**37770** 6x7 Carrying Case