



## Pentax K2

The Pentax K2 features automatic exposure with the third generation of the Pentax fully-automatic electronic shutter, combined with the new Pentax bayonet quick-change lens mount; **PLUS:**

- Automatic stepless shutter speeds from 8 seconds to 1/1000 second.
- A full range of manual electronic shutter speeds from 1/1000 to 8 seconds, plus B.
- New ten bladed vertical running metal shutter.
- Electronic flash sync at 1/125 second.
- Fast response silicon photo diode adjusts quickly to abrupt light changes.
- Center weighted metering.
- 8-6400 ASA range to handle today's films.
- Automatic metering for fast action, plus match needle for manual metering.
- Silver coated pentaprism and a larger mirror mean a brighter viewfinder with no mirror cut-off when using telephoto lenses.
- Depth-of-field preview.
- Mirror lock-up switch to minimize vibrations.
- 4x to 1/4x exposure factor dial to compensate for difficult lighting situations.
- Human engineered for surer, easier and faster handling.
- 29 matching Pentax bayonet lenses with sure grip focusing ring and improved Super-Multi-coating.
- A complete system of accessories for every photographic situation.
- 5.7" wide, 3.6" high and 3.7" deep with the 50mm SMC Pentax f/1.4 lens.
- The body only is a light 24.2 ozs., with the 50mm f/1.4 lens 33.7 ozs.

Cat. No.

- 7301** Pentax K2 chrome body with body cap and microprism focusing screen.
- 7303** Pentax K2 black body with body cap and rangefinder focusing screen.
- 7322** 50mm Super-Multi-Coated Pentax f/1.2 lens
- 7307** 50mm Super-Multi-Coated Pentax f/1.4 lens
- 7309** 55mm Super-Multi-Coated Pentax f/1.8 lens
- 7318** 50mm Super-Multi-Coated Pentax-Macro f/4.0 lens
- 7319** 45-125mm Super-Multi-Coated Pentax-Zoom f/4.0 lens

See page 8 for the complete listing of the 29 Super-Multi-Coated Pentax lenses for the Pentax K2 cameras.

- 7379** Body cap 'K'
- 7372** Soft leather camera case for Pentax K2
- 503** Battery for Pentax K2, two Eveready S76 or the equivalent are required.



## Pentax K2 DMD

The NEW Pentax K2 DMD combines the automatic exposure and advanced features of the standard Pentax K2 with an optional motor drive and data back. **PLUS:**

- The lens aperture is shown in the viewfinder.
- The viewfinder includes an exposure factor setting warning signal.
- Viewfinder blinds.
- Memory lock.
- Optional DMD Motor Drive with single or consecutive exposure settings at two frames or one frame each second or one frame every two seconds.
- The optional data back records information - time - date - notes - directly on the film.

- 7482** Pentax K2 DMD black camera body with body cap and rangefinder focusing screen
- 7620** Pentax Motor Drive DMD
- 7621** Pentax Battery Grip DMD
- 7622** Pentax NiCad Battery Pack DMD
- 7623** Pentax Data Back DMD
- 7624** Pentax Charge Pack DMD
- 7625** Pentax Power Pack DMD with Timer
- 7626** Pentax Power Cord DMD
- 7627** Pentax Trigger Cord DMD
- 7322** 50mm Super-Multi-Coated Pentax f/1.2 lens
- 7307** 50mm Super-Multi-Coated Pentax f/1.4 lens
- 7309** 55mm Super-Multi-Coated Pentax f/1.8 lens
- 7318** 50mm Super-Multi-Coated Pentax-Macro f/4.0 lens
- 7319** 45-125mm Super-Multi-Coated Pentax-Zoom f/4.0 lens

See page 8 for the complete listing of the 29 Super-Multi-Coated Pentax lenses for the Pentax K2 DMD camera.

- 7379** Body cap 'K'
- 7372** Soft leather camera case for Pentax K2 and K2 DMD
- 503** Battery for Pentax K2 and K2 DMD, two Eveready S76 or the equivalent are required.





## Pentax ESII

The Pentax ESII is the proven automatic exposure electronic shutter 35mm SLR. All the photographer does is focus and shoot.

- Electronically timed automatic shutter speeds from 8 seconds to 1/1000 second.
- Manual shutter speeds from 1/60 second to 1/1000 second, plus B.
- Full aperture, averaging metering system.
- 20 to 3200 ASA range.
- 4x to 1/2 x exposure factor dial to compensate for difficult lighting situations.
- 5.6" wide, 3.86" high and 3.6" deep with the 50mm f/1.4 lens.
- 33 ozs. with the 50mm f/1.4 lens.
- 28 matching Super-Multi-Coated Takumar screw mount lenses plus a full range of accessories.

Cat. No.

**7187** Honeywell Pentax ESII with 55mm f/1.8 Super-Multi-Coated Takumar lens.

**7394** Honeywell Pentax ESII with 55mm Super-Multi-Coated Takumar f/2.0 lens, strap and front lens cap.

The complete line of Super-Multi-Coated Takumar lenses is shown on page 10.

**7206** Soft black leather case for ESII

**503** Battery for ESII, four Eveready S76 or the equivalent are required.



## Pentax KX

The new Pentax KX is the ultimate non-automatic 35mm SLR with:

- Aperture setting and shutter speed visible in the viewfinder
- Full aperture center weighted match needle metering system
- Fast response silicon photo diode that adjusts rapidly to changing light conditions
- 8 to 6400 ASA range
- Horizontal running focal-plane shutter of rubberized silk
- 1/1000 to 1 second shutter speeds, plus B
- Depth-of-field preview
- Mirror lock-up
- 29 matching Super-Multi-Coated Pentax bayonet lenses and a full range of accessories
- 5.6" wide, 3.6" high and 3.7" deep with the 50mm SMC Pentax f/1.4 lens
- 22.1 ozs. without a lens  
31.4 ozs. with the 50mm f/1.4 lens

Cat. No.

**7302** Pentax KX chrome body with a microprism focusing screen and body cap.

**7304** Pentax KX black body with a rangefinder focusing screen and body cap.

**7322** 50mm Super-Multi-Coated Pentax f/1.2 lens

**7307** 50mm Super-Multi-Coated Pentax f/1.4 lens

**7309** 55mm Super-Multi-Coated Pentax f/1.8 lens

**7318** 50mm Super-Multi-Coated Pentax-Macro f/4.0

**7319** 45-125mm Super-Multi-Coated Pentax-Zoom f/4.0

See page 8 for all the Super-Multi-Coated Pentax lenses.

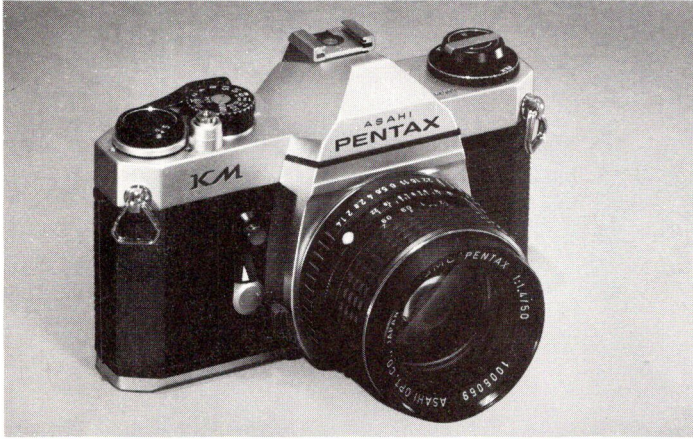
**7379** Body cap 'K'

**7364** Soft camera case for Pentax KX

**503** Battery for Pentax KX, two Eveready S76 or equivalent are required.



# Pentax 35mm Cameras



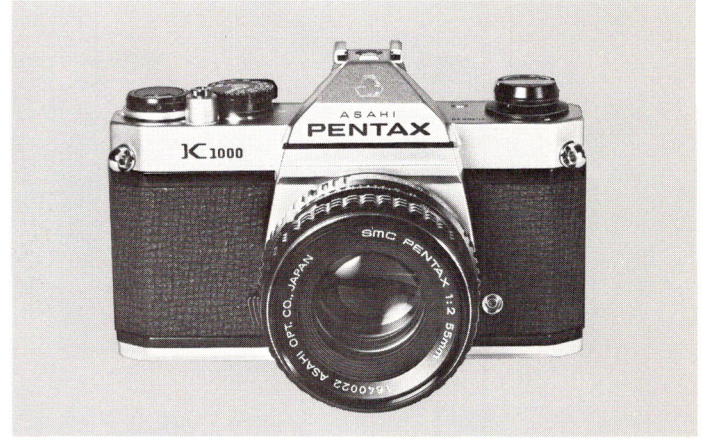
## Pentax KM

The Pentax KM is a bayonet-mount human engineered version of the world's most popular 35mm SLR.

- Wide-open Cds averaging metering
- 20 to 3200 ASA range
- Horizontal running focal plane shutter of rubberized silk
- 1 to 1/1000, plus B, shutter speeds
- Instant-on metering system is activated when the lens cap is removed
- Depth-of-field preview
- Self timer
- X flash sync hot shoe
- X and FP at PC flash terminals
- With the 50mm SMC Pentax f/1.4 lens, width is 5.6", height 3.6" and depth 3.7"
- Weight: 31.4 ozs. with the 50mm f/1.4 lens  
22.1 ozs. without a lens

Cat. No.

- 7305** Pentax KM chrome body with microprism focusing screen and body cap.
  - 7322** 50mm Super-Multi-Coated Pentax f/1.2 lens
  - 7306** 50mm Super-Multi-Coated Pentax f/1.4 lens
  - 7309** 55mm Super-Multi-Coated Pentax f/1.8 lens
  - 7318** 50mm Super-Multi-Coated Pentax-Macro lens
  - 7319** 45-125mm Super-Multi-Coated Pentax-Zoom f/4.0
- See page 8 for all the Super-Multi-Coated Pentax lenses.
- 7379** Body cap 'K'
  - 7122** Soft camera case for the Pentax KM
  - 503** Battery for the Pentax KM, one Eveready S76 or the equivalent is required.



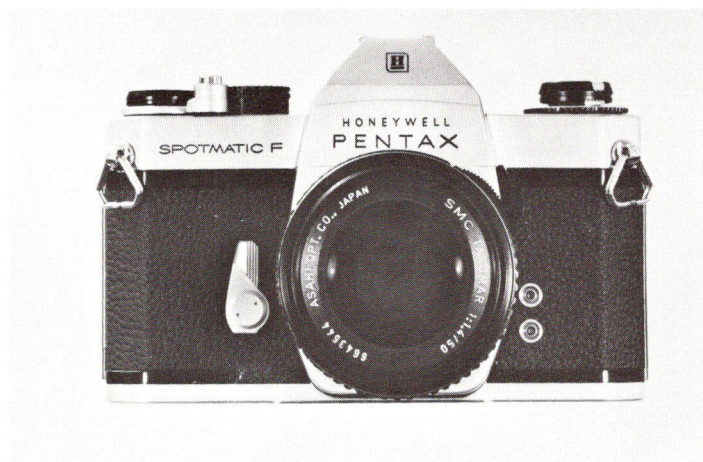
## Pentax K1000

- Pentax K bayonet lens mount.
- Wide-open Cds averaging metering
- Instant on metering is activated when the lens cap is removed.
- X sync hot shoe and PC terminal.
- 1 to 1/1000, plus B, shutter speeds.
- Width is 5.6", height is 3.6" and depth 3.7" with the 55mm SMC
- Pentax f/2.0 lens.
- Weight is 31.4 ozs. with the 55mm f/2.0 lens.

- 7475** Pentax K1000 chrome body with microprism focusing screen, 55mm SMC Pentax f/2.0 lens and case.
- 7476** Pentax K1000 chrome body with rangefinder focusing screen, 55mm SMC Pentax f/2.0 lens and case.
- 7379** Body cap 'K'
- 7122** Soft camera case for the Pentax K1000
- 503** Battery for the Pentax K1000, one Eveready S76 or the equivalent is required.



# Pentax 35mm Cameras



## Pentax Spotmatic F

The Pentax Spotmatic F is the world's most popular 35mm SLR.

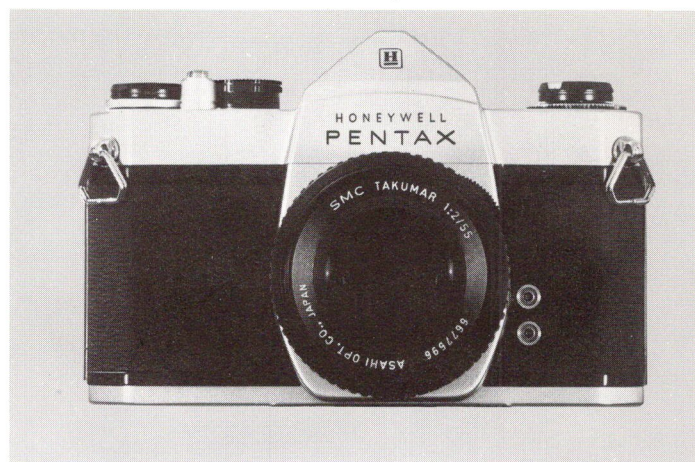
- Wide open averaging metering system
- Instant-on metering system is activated when the lens cap is removed
- 20 to 3200 ASA range
- Horizontal run, rubberized silk focal plane shutter
- Shutter speeds from 1 second to 1/1000 second, plus B
- Classic Pentax feel and design
- 28 Super-Multi-Coated Takumar screw mount lenses plus a full line of accessories
- With 50mm lens: width 5.6", height 3.7" and thickness is 3.6"
- Weight is: 31.5 ozs. with the 50mm lens  
22.6 ozs. without a lens.

Cat. No.

**7191** Pentax Spotmatic F chrome body with the 55mm Super-Multi-Coated Takumar f/1.8 lens and camera strap

**7122** Soft black leather case for the Spotmatic F

**H73000474001** Battery for F, Eveready PX625 or equivalent



## Pentax SP1000

The Pentax SP1000 is the perfect 35mm SLR for your first step into finer photography.

- Full frame, stop-down averaging metering system
- 20 to 1600 ASA range
- Shutter speeds from 1 second to 1/1000 second plus B
- 28 Super-Multi-Coated Takumar lenses
- Complete system of Pentax accessories
- Width is 5.6", height is 3.6" and thickness is 3.4" with the 55mm lens
- Weight is: 28.9 ozs. with the 55mm lens  
21.5 ozs. without a lens.

Cat. No.

**7169** Pentax SP1000 with the 55mm Super-Multi-Coated Takumar f/2.0 lens and a strap

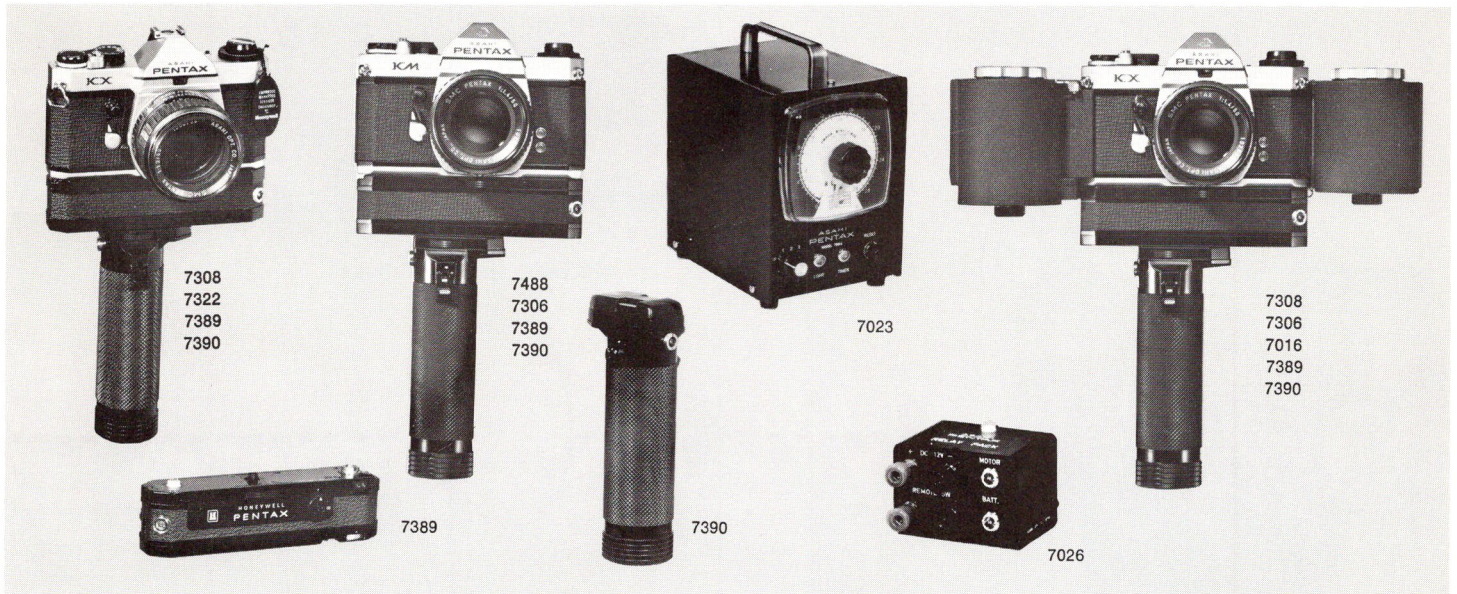
See page 10 for the complete system of screw mount Super-Multi-Coated Takumar lenses.

**7122** Soft black leather case for the Pentax SP1000

**534** Replacement battery for the SP1000, Eveready E400R or equivalent



# Pentax Motor Drive



## Pentax Motor Drive

The two Pentax Motor Drive cameras combine classic Pentax balance, lightweight and dependability with the speed and flexibility of a motorized film advance.

The Pentax Motor Drive can be added to the Pentax KX and KM Motor Drive Camera bodies without any special tools or modifications. The Motor bolts directly to the base plate to provide both single frame or continuous film advance up to three frames per second.

A motor drive system increases the photographers' capabilities. The camera is always advanced and ready for the next shot. It becomes very easy to capture the decisive moment, the fleeting expression and the unexpected event that separates a snapshot from a great photograph.

The motor drive can also be set to capture an entire sequence of events, occurring rapidly (3 frames per second) or slowly (time lapse photography with accessory timers).

The motor drive camera can also be placed in positions where no photographer could ever go and then fired remotely to record the action from a very unusual viewpoint.

The Pentax KX Motor Drive camera and the Pentax KM Motor Drive camera have the same specifications as the standard Pentax KX and Pentax KM. Plus, they can be attached to the Pentax Motor Drive II and Pistol Grip II for motorized film advance. They are also backed by the complete system of motor drive accessories.

### SPECIFICATIONS

**With 50mm Super-Multi-Coated Pentax f/1.4**

#### DIMENSIONS

5 $\frac{5}{8}$ " x 10 $\frac{1}{2}$ " x 3 $\frac{5}{8}$ "  
11 $\frac{3}{8}$ " x 10 $\frac{1}{2}$ " x 3 $\frac{5}{8}$ " (with bulk film back)

#### WEIGHT

3 lbs., 5 oz., with NiCad Battery

#### EXPOSURE MODES

manual-single; motorized-single;  
motorized-consecutive at 3 frames per second

#### POWER SUPPLY

NiCad battery (2000 exposures at normal taking speed between charges)  
Eight AA batteries in 7018 Holder  
AC Power Pack

#### Cat No.

- 7308** Pentax KX Motor Drive Camera Body
- 7489** Pentax KX Black Motor Drive Camera Body
- 7488** Pentax KM Motor Drive Camera Body
- 7389** Pentax Motor Drive II
- 7390** Pentax Pistol Grip II
- 7014** 12 volt NiCad battery
- 7015** Battery Charger
- 7019** Battery Checker
- 7018** "AA" Battery holder
- 7393** Remote Cord II (3 meter)
- 7322** 50mm Super-Multi-Coated Pentax f/1.2 lens
- 7307** 50mm Super-Multi-Coated Pentax f/1.4 lens

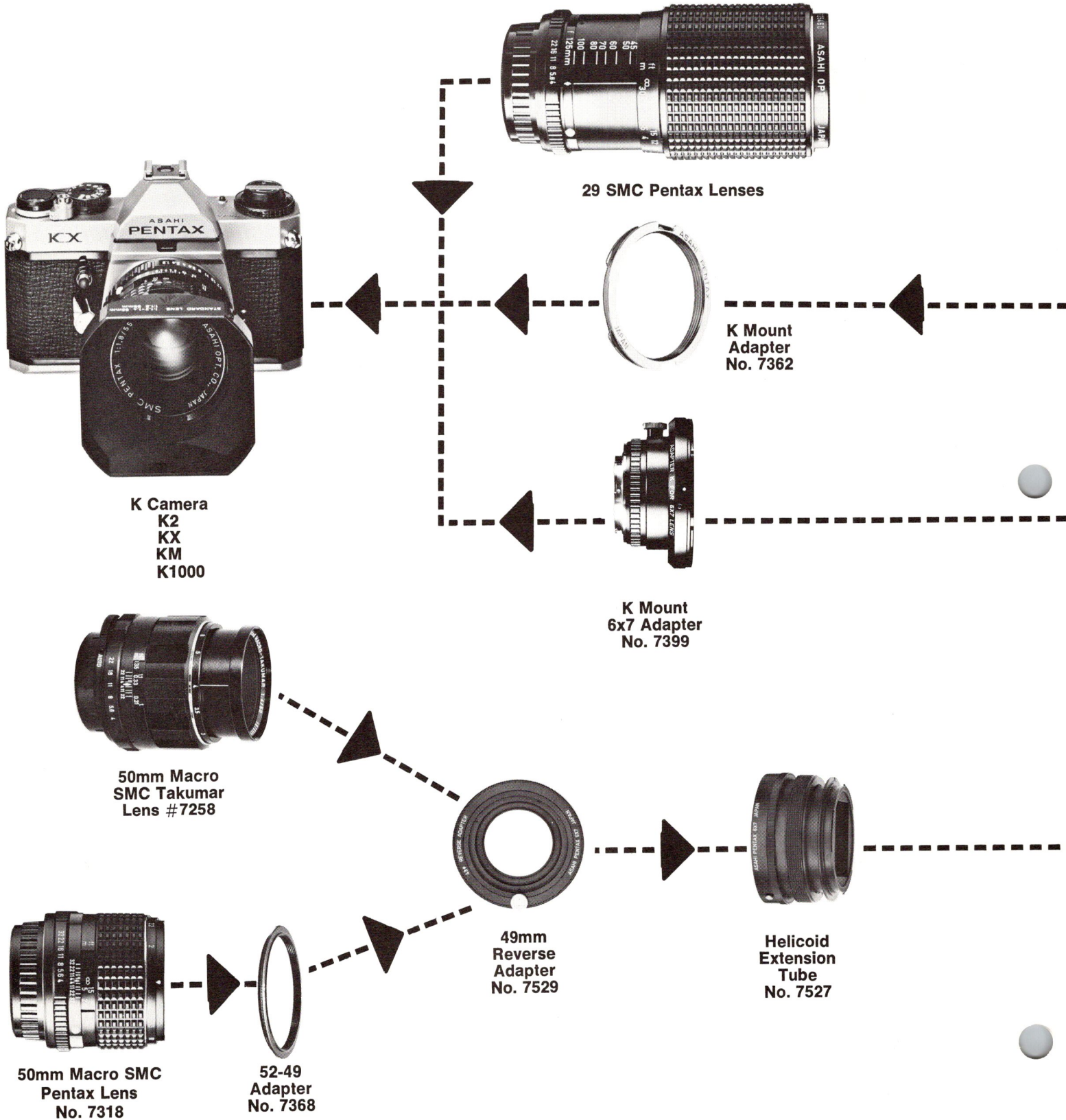
- 7309** 55mm Super-Multi-Coated Pentax f/1.8 lens
- 7318** 50mm Super-Multi-Coated Pentax-Macro f/4.0
- 7319** 45-125mm Super-Multi-Coated Pentax-Zoom f/4.0

See page 8 for all the Super-Multi-Coated Pentax lenses.

- 503** Battery for Pentax Camera Body S-76
- 7016** Bulk Film Back (For up to 250 exposures)
- 7017** 250 Film Cartridge
- 7021** Second Timer
- 7022** 250 Cartridge Loader
- 7023** Minute Timer
- 7024** AC Power Pack
- 7025** Hour Timer
- 7026** Relay Pack
- 7028** Soft Case for Spotmatic Motor Drive
- 7029** Soft Case for Spotmatic II and F Motor Drive
- 7063** 33' Remote Cord (12VDC source to motor)
- 7064** Motor Drive Counter Cord
- 7066** AC Cord
- 7067** 6 Pin Remote Cord from Power Pack to Timer
- 7176** 10' Remote Cord (12VDC source to motor)
- 7379** Body cap 'K'

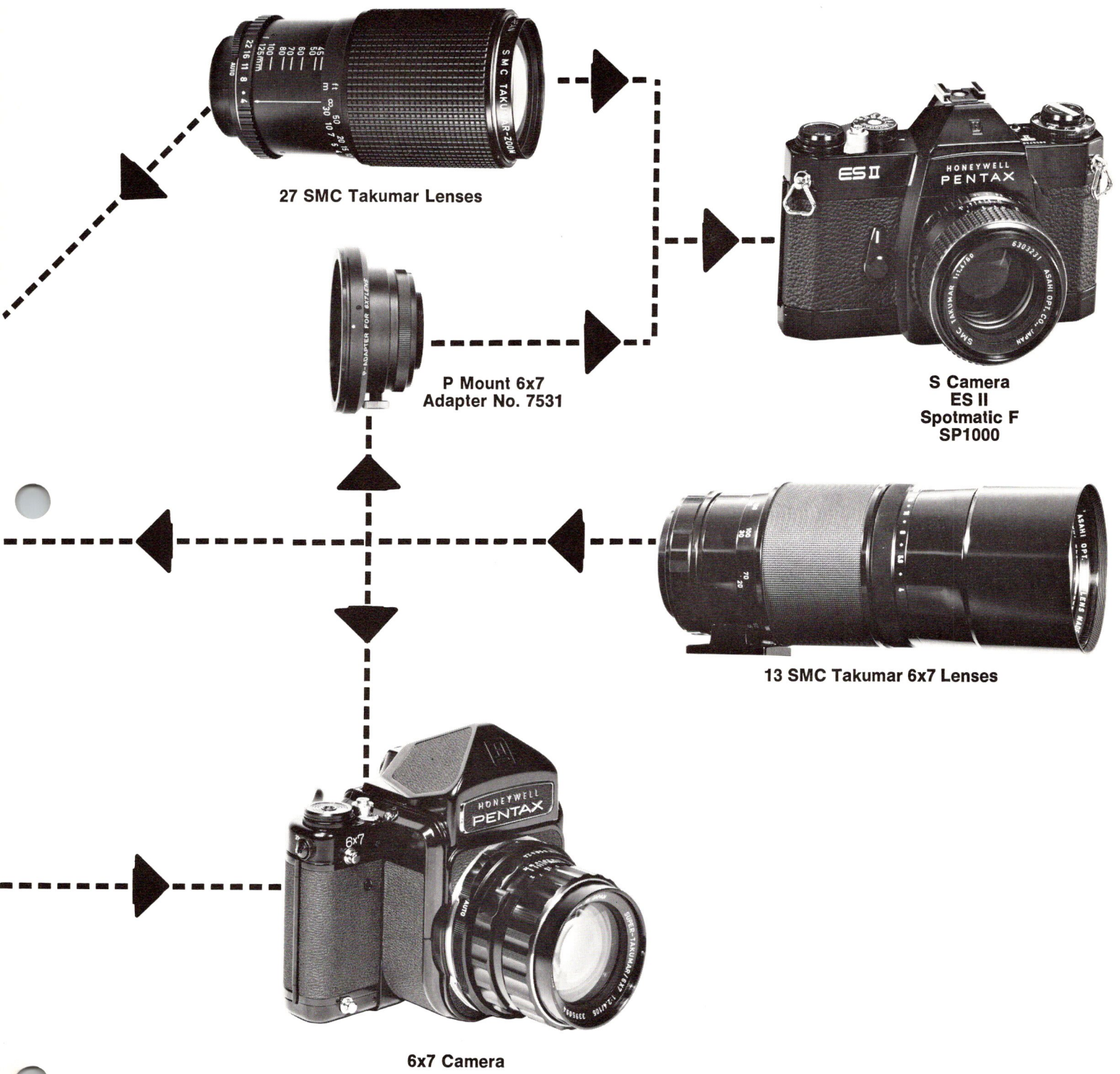


# Pentax Cameras-3 Series-





# Many Versatile Combinations



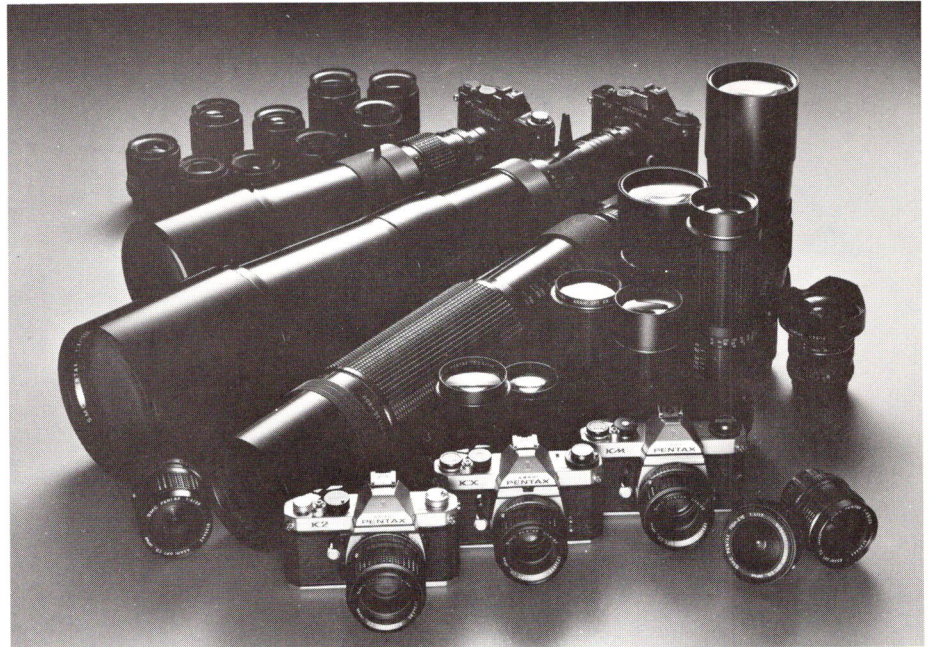


# Super-Multi-Coated Pentax Lenses

## 35mm Super-Multi-Coated Pentax Lenses with 'K' Pentax Bayonet Mount

Cat. No.

- 7312** 17mm Super-Multi-Coated Pentax f/4.0 Fish-eye
- 7311** 15mm Super-Multi-Coated Pentax f/3.5
- 7313** 20mm Super-Multi-Coated Pentax f/4.0
- 7314** 24mm Super-Multi-Coated Pentax f/3.5
- N7339** 28mm Super-Multi-Coated Pentax f/2.0
- 7315** 28mm Super-Multi-Coated Pentax f/3.5
- N7340** 28mm Super-Multi-Coated Pentax-Shift f/3.5. Designed primarily for architectural photography, the optical axis of the lens can be shifted up to 11mm to correct distortion. A case is included.
- 7316** 35mm Super-Multi-Coated Pentax f/2.0
- 7317** 35mm Super-Multi-Coated Pentax f/3.5
- 7322** 50mm Super-Multi-Coated Pentax f/1.2
- 7307** 50mm Super-Multi-Coated Pentax f/1.4
- 7309** 55mm Super-Multi-Coated Pentax f/1.8
- 7323** 85mm Super-Multi-Coated Pentax f/1.8
- 7327** 105mm Super-Multi-Coated Pentax f/2.8
- 7328** 120mm Super-Multi-Coated Pentax f/2.8
- 7329** 135mm Super-Multi-Coated Pentax f/2.5
- 7331** 135mm Super-Multi-Coated Pentax f/3.5
- 7332** 150mm Super-Multi-Coated Pentax f/4.0
- 7333** 200mm Super-Multi-Coated Pentax f/4.0
- 7334** 300mm Super-Multi-Coated Pentax f/4.0
- 7335** 400mm Super-Multi-Coated Pentax f/5.6 lens with case and lenshood
- 7336** 500mm Super-Multi-Coated Pentax f/4.5 lens with case and lenshood
- 7337** 1000mm Super-Multi-Coated Pentax f/8.0 lens with case and lenshood



- 7173** Tripod with case for the 1000mm Super-Multi-Coated Pentax f/8.0 lens

## Pentax Zoom Lenses

- 7319** 45-125mm Super-Multi-Coated Pentax-Zoom f/4.0
- 7324** 85-210mm Super-Multi-Coated Pentax-Zoom f/4.5
- 7321** 135-600mm Super-Multi-Coated Pentax-Zoom f/6.7 lens with case and lenshood

## Pentax Macro Lenses

- 7318** 50mm Super-Multi-Coated Pentax-Macro f/4.0  
Focuses to 1/2 X magnification. Requires No. 3 Extension Tube for 1X magnification.
- 7326** 100mm Super-Multi-Coated Pentax-Macro f/4.0  
Focuses to 1/2 X magnification. Requires complete Extension Tube Set for 1:1 magnification.
- 7325** 100mm Super-Multi-Coated Pentax-Bellows f/4.0. A Pentax K Bellows is required to focus this lens.

All Super-Multi-Coated Pentax lenses include a front and rear lens cap.

## Lenshoods

Cat. No.

- 7377** 52mm lenshood for normal lenses, 50/1.2, 55/1.8 and 50/1.4
- 7292** 52mm Lenshood for wide-angle lenses
- 7293** 58mm Lenshood for wide-angle lenses
- 7294** 52mm Lenshood 'A' for 120/2.8, 135/3.5 and 150/4.0 SMCP lenses
- 7295** 52mm Lenshood 'B' for 105/2.8, 100/4.0 and 85/1.8 SMCP lenses
- 7296** 58mm Lenshood for 135/2.5, 200/4.0 and 85-210 SMCP lenses
- 7297** 58mm Lenshood for 45-125mm SMC Pentax-Zoom lens

## Lens Cases

Cat. No.

- 7424** Soft Lens Case for 17mm to 135mm lenses
- 7425** Soft Lens Case for lenses up to 200mm
- 7426** Soft Lens Case for 15mm lens

## Lens Caps

Cat. No.

- 7376** Rear Lens Cap 'K'
- 7375** 52mm Clip-On Front Lens Cap
- 7338** 58mm Clip-On Front Lens Cap



# 35mm SMC Pentax "K" Lens Specification Cross Reference

Cat. No.	Lens	Diaphragm	Lens Elements	Lens Type	Min. Aperture	Minimum Focus Dist.		Angle of View	Weight		Filter Size	Length		Diameter	
						Feet	Meters		Ozs.	Gm.		In.	mm	In.	mm
7312	17mm SMC Pentax f/4.0	Fully-Auto.	11 in 7 groups	Fish-Eye	f/22	0.65	0.2	180°	8.2	234	Sky., UV, Y2, O2 built-in	1.3	34	2.5	64.5
7311	15mm SMC Pentax f/3.5	Fully-Auto.	13 in 12 groups	Ultra-Wide Angle	f/22	1	0.3	111°	20	550	Sky., UV, Y2, O2 built-in	3.2	81.5	3.1	80
7313	20mm SMC Pentax f/4.0	Fully-Auto.	12 in 10 groups	Ultra-Wide Angle	f/22	0.8	0.25	94°	10.5	300	58	2.2	57	2.5	63
7314	24mm SMC Pentax f/3.5	Fully-Auto.	9 in 8 groups	Ultra-Wide Angle	f/22	0.8	0.25	84°	8.7	248	58	1.8	46.5	2.5	63
0000	28mm SMC Pentax f/2.0	Fully-Auto.	9 in 8 Groups #	Wide-Angle	f/22	1	.3	75°	15	423	52	2.7	69	2.4	62.5
7315	28mm SMC Pentax f/3.5	Fully-Auto.	8 in 7 groups	Wide Angle	f/22	1	0.3	75°	9.2	261	52	1.8	47	2.5	63
0000	28mm SMC Pentax-Shift f/3.5	Manual	12 in 11 Groups	Wide-Angle Shift +	f/22	1	.3	75°	22	608	Y48 O56 SKY. Gelatin	3.6	92.8	3.5	80
7316	35mm SMC Pentax f/2.0	Fully-Auto.	8 in 7 groups	Wide Angle	f/22	1.2	0.35	62°	9.9	283	52	2.2	56	2.5	63
7317	35mm SMC Pentax f/3.5	Fully-Auto.	5 in 4 groups	Wide Angle	f/22	1.2	0.35	62°	5.6	161	52	1.4	35.5	2.5	63
7322	50mm SMC Pentax f/1.2	Fully-Auto.	7 in 6 groups	Normal	f/22	1.5	0.45	46°	13.5	385	52	1.9	48.5	2.5	65
7307	50mm SMC Pentax f/1.4	Fully-Auto.	7 in 6 groups	Normal	f/22	1.5	0.45	46°	9.3	265	52	1.6	41.5	2.5	63
7309	55mm SMC Pentax f/1.8	Fully-Auto.	6 in 5 groups	Normal	f/22	1.5	0.45	43°	7.7	221	52	1.5	39	2.5	63
7323	85mm SMC Pentax f/1.8	Fully-Auto.	6 in 6 groups	Tele-photo	f/22	2.7	0.85	29°	11.6	331	52	2.2	56	2.5	64
7327	105mm SMC Pentax f/2.8	Fully-Auto.	5 in 4 groups	Tele-photo	f/32	4	1.2	23°	10.3	294	52	2.5	63	2.4	62.5
7328	120mm SMC Pentax f/2.8	Fully-Auto.	5 in 4 groups	Tele-photo	f/32	4	1.2	21°	12.5	355	52	2.9	74.5	2.4	62.5
7329	135mm SMC Pentax f/2.5	Fully-Auto.	6 in 6 groups	Tele-photo	f/32	5	1.5	18°	16.5	470	58	3.3	85.9	2.6	67.5
7331	135mm SMC Pentax f/3.5	Fully-Auto.	4 in 4 groups	Tele-photo	f/32	5	1.5	18°	11.4	325	52	3.4	87.5	2.4	62.5
7332	150mm SMC Pentax f/4.0	Fully-Auto.	5 in 5 groups	Tele-photo	f/32	6	1.8	17°	11.9	338	52	3.7	96	2.4	62.5
7333	200mm SMC Pentax f/4.0	Fully-Auto.	5 in 5 groups	Super-Tele-photo	f/32	6.5	2	12°	18.2	516	58	5.4	137	2.5	65
7334	300mm SMC Pentax f/4.0	Fully-Auto.	7 in 5 groups	Super-Tele-photo	f/32	13.1	4	8°	33.2	942	77	7.4	188	3.3	85
7335	400mm SMC Pentax f/5.6	Preset	5 in 5 groups	Super-Tele-photo	f/45	26.2	8	6°	43.7	1,240	77	11	277	3.3	85
7336	500mm SMC Pentax f/4.5	Preset	4 in 4 groups	Super-Tele-photo	f/45	32.8	10	5°	117.5	3,330	52 (Rear mount)	17.3	440	5	126.5
7337	1000mm SMC Pentax f/8.0	Preset	5 in 5 groups	Super-Tele-photo	f/45	98.4	30	2.5°	185	5,250	52 (Rear mount)	29	738	5.6	143
7319	45-125mm SMC Pentax-Zoom f/4.0	Fully-Auto.	14 in 11 groups	Zoom	f/22	4.9	1.5	50.5-20°	21.5	612	67	5	127	2.7	69
7324	85-210mm SMC Pentax-Zoom f/4.5	Fully-Auto.	11 in 10 groups	Zoom	f/32	11.5	3.5	29-11°	26	739	58	8.5	217.5	2.6	67.5
7321	135-600mm SMC Pentax Zoom	Preset	15 in 12 groups	Zoom	f/45	19.6	6	18-4°	143.5	4,070	52 (Rear mount)	23	582	4.1	105
7318	50mm SMC Pentax-Macro f/4.0	Fully-Auto.	4 in 3 groups	Macro	f/32	.7	.2	46°	8.5	241	52	2.1	54	2.5	63
7326	100mm SMC Pentax-Macro f/4.0	Fully-Auto.	5 in 3 groups	Macro	f/32	1.5	0.45	24.5°	13	370	52	3.2	81.5	2.5	65
0000	100mm SMC Pentax-Bellows f/4.0	Auto or Manual *	5 in 3 Groups	Short Mount for Bellows	f/22	6" from lens**		12.2°	5.3	186	52	2	52	2.1	54

# The rear lens group is designed to "float" maintaining image sharpness at all focusing distances.

+ The optical axis of the lens can be shifted up to 11 degrees with a choice of 12 directions.

\* The aperture of the lens is closed down automatically when mounted on the Pentax Auto-Bellows K. **September, 1976**

The aperture is closed down manually when the lens is mounted Bellows Unit II.

\*\* With the Auto-Bellows 'K'



# Super-Multi-Coated Takumar Lenses

## 35mm Super-Multi-Coated Takumar Screw Mount Lenses

Cat. No.

- 7246** 15mm Super-Multi-Coated Takumar f/3.5
- 7251** 17mm Super-Multi-Coated Takumar f/4.0 Fish-eye
- 7252** 20mm Super-Multi-Coated Takumar f/4.5
- 7253** 24mm Super-Multi-Coated Takumar f/3.5
- 7254** 28mm Super-Multi-Coated Takumar f/3.5
- 7255** 35mm Super-Multi-Coated Takumar f/2.0
- 7256** 35mm Super-Multi-Coated Takumar f/3.5
- 7249** 50mm Super-Multi-Coated Takumar f/1.4
- 7250** 55mm Super-Multi-Coated Takumar f/1.8
- 7248** 85mm Super-Multi-Coated Takumar f/1.8
- 7265** 105mm Super-Multi-Coated Takumar f/2.8
- 7262** 120mm Super-Multi-Coated Takumar f/2.8
- 7267** 135mm Super-Multi-Coated Takumar f/2.5
- 7266** 135mm Super-Multi-Coated Takumar f/3.5
- 7268** 150mm Super-Multi-Coated Takumar f/4.0
- 7269** 200mm Super-Multi-Coated Takumar f/4.0
- 7271** 300mm Super-Multi-Coated Takumar f/4.0
- 7273** 400mm Super-Multi-Coated Takumar f/5.6
- 7274** 500mm Super-Multi-Coated Takumar f/4.5
- 7275** 1000mm Super-Multi-Coated Takumar f/8.0
- 7247** 45-125mm Super-Multi-Coated Takumar Zoom f/4.0
- 7261** 85-210mm Super-Multi-Coated Zoom Takumar f/4.5
- 7272** 135-600mm Super-Multi-Coated Zoom Takumar f/6.7
- 7258** 50mm Super-Multi-Coated Takumar-Macro f/4.0
- 7270** 100mm Super-Multi-Coated Takumar-Macro f/4.0
- 7264** 100mm Super-Multi-Coated Takumar-Bellows f/4.0

All SMC Takumar lenses come complete with a case, front and rear lens cap and each lens, except for the 17mm, 35mm f/3.5, 50, and 55mm lenses also includes a lenshood.

Cat. No.

- 784** 49mm screw-in lenshood for the 50 and 55mm SMC Takumar lenses.
  - 830** 49mm screw-in lenshood for the 35mm SMC Takumar f/3.5 lens.
- Replacement lenshoods can be ordered from the Honeywell Parts Department.
- 781** Rear lens cap for all Takumar screw mount lenses.
  - 757** Front lens cap for all lenses that accept 49mm filters.
  - 7362** 'K' Mount Adapter, for mounting Takumar screw mount lenses on a 'K' series camera body. The lens will focus to infinity, but close-down metering must be used and the automatic diaphragm will not operate.
  - 7111** "M" Adapter allows 500 and 1000mm Takumar lenses to be used on a Minolta camera body.
  - 7096** Right-Angle Mirror Adapter for taking candid pictures of subjects at right angles from the camera axis. Fits telephoto lenses having 58mm filter diameters.
  - 7424** Small Soft Lens Case for 17mm to 135mm lenses.
  - 7425** Large Soft Lens Case for lenses up to 200mm
  - 2426** Soft Lens Case for 15mm lens
- All other replacement lens cases are shown on page 16.





# 35mm SMC Takumar Lens Specification Cross Reference

Cat. No.	Lens	Diaphragm	Lens Elements	Lens Type	Min. Aperture	Minimum Focal Dist.		Angle of View	Weight		Filter Diameter for Threaded Filters	Lens-hood Size (In mm)	Length		Diameter	
						Feet	Meters		Ozs.	Gm.			In.	mm	In.	mm
7246	15mm SMCT f/3.5	Fully-Auto.	13	Wide Angle Retrofocus	f/22	1	.3	110°	20	570	Sky, UV Y2, O2 built-In	—	3.26	81.5	3.2	80
7251	17mm SMCT f/4.0	Fully-Auto.	11	Wide Angle Retrofocus	f/22	0.65	0.20	160°	7.4	230	UV, Y2, O2 Built-In	—	1.25	31.7	2.6	66.2
7252	20mm SMCT f/4.5	Fully-Auto.	11	Wide Angle Retrofocus	f/16	0.65	.20	94°	8.1	251	77	* 58 T	1.75	44.8	2.3	60.0
7253	24mm SMCT f/3.5	Fully-Auto.	9	Wide Angle Retrofocus	f/16	0.8	0.25	84°	8.6	243	58	60 S.O.*	1.8	46.5	2.4	62.0
7254	28mm SMCT f/3.5	Fully-Auto.	7	Wide Angle Retrofocus	f/16	1.3	0.40	75°	7.3	207	49	51 S.O.*	1.7	42.8	2.2	57.1
7255	35mm SMCT f/2.0	Fully-Auto.	8	Wide Angle Retrofocus	f/16	1.3	0.40	63°	8.5	240	49	49 T*	2.1	53.6	2.2	56.0
7256	35mm SMCT f/3.5	Fully-Auto.	5	Wide Angle Retrofocus	f/16	1.5	0.45	63°	5.3	149	49	49 T #830	1.3	34	2.2	56.5
7247	45-125mm Zoom SMCT f/4.0	Fully-Auto.	14	Zoom	f/22	6	2	50.5° 20°	21.2	605	67	58 T*	5.1	127	2.7	68.4
7258	50mm SMCT Macro f/4.0	Fully-Auto.	4	Macro	f/22	0.77	0.23	46°	8.2	235	49	Not Required	2.1	54.5	2.3	59.4
7249	50mm SMCT f/1.4	Fully-Auto.	7	Normal	f/16	1.5	0.45	46°	8.1	231	49	49 T #784	1.5	38.5	2.4	60.5
7250	55mm SMCT f/1.8	Fully-Auto.	6	Normal	f/16	1.5	0.45	43°	7.1	202	49	49 T #784	1.5	38	2.3	57.7
	55mm SMCT f/2.0	Fully-Auto.	6	Normal (1000)	f/16	1.5	0.45	43°	7.1	202	49	49 T #784	1.5	38.2	2.3	59
7261	85-210mm Zoom-Takumar SMCT, f/4.5	Fully-Auto. +	11	Zoom	f/22	6.2	1.9	28.5°-11.5°	24.9	705	58	58 T*	8.7	217.5	2.7	66.5
7248	85mm SMCT f/1.8	Fully-Auto.	6	Long Focus	f/16	2.7	0.85	28.5°	12.3	348	58	58 T*	2.3	57	2.6	66
7264	100mm SMCT, Bellows f/4.0	Preset +	5	Short Mount	f/22	6" from Rim of Lens**		24.5°	5.0	142	49	49 T*	1.4	36.6	2.2	55.5
7270	100mm SMCT Macro f/4.0	Fully-Auto.	5	Macro	f/22	1.5	.5	24.5°	13	372	49	*	3.7	95	2.6	65
7265	105mm SMCT f/2.8	Fully-Auto.	5	Tele-photo	f/22	4	1.2	23°	9.9	281	49	49 T*	2.5	64.3	2.3	57.2
7262	120mm SMCT f/2.8	Fully-Auto.	5	Tele-photo	f/22	4	1.2	20°	11.9	340	49	49	2.9	73	2.2	57.6
7272	135-600mm Zoom SMCT f/6.7	Manual +	15	Zoom	f/45	20	6	4°-18°	8.9 lbs.	4050	49 (Rear)	*	23	585	4.1"	105
7267	135mm SMCT f/2.5	Fully-Auto.	5	Tele-photo	f/22	5	1.5	18°	15.8	448	58	58 T*	3.2	80	2.5	65.5
7266	135mm SMCT f/3.5	Fully-Auto.	4	Tele-photo	f/22	5	1.5	18°	12.4	343	49	49 T*	3.5	87.7	2.2	57.6
7268	150mm SMCT f/4.0	Fully-Auto.	5	Tele-photo	f/22	6	1.8	16.5°	11.4	324	49	49 T*	3.7	94.8	2.2	57.6
7269	200mm SMCT f/4.0	Fully-Auto.	5	Tele-photo	f/22	8	2.5	12°	19.7	558	58	*	5.4	137	2.5	64.2
7271	300mm SMCT f/4.0	Fully-Auto.	5	Tele-photo	f/22	18	5.5	8°	33.5	950	77	*	7.2	186	3.3	85
7273	400mm SMCT f/5.6	Manual +	5	Tele-photo	f/45	27	7.5	6°	43	1219	77	*	10.8	276	3.4	85
7274	500mm SMCT f/4.5	Manual +	4	Tele-photo	f/45	33	10.0	5°	7.1 lbs.	3231	49 (Rear)	*	17.3	440	5	126.8
7275	1000mm SMCT f/8.0	Manual +	5	Tele-photo	f/45	98	30.0	2.5°	Lens 10 Lbs. Tripod 6.25 Lbs.		49 (Rear)	*	28.5	724	5.7	143.5

\*Lenshood Supplied w/Lens

T Threaded

S.O. Slip-On

\*\*When used w/Auto Bellows

+ Stop-down metering with ES and Spotmatic F



# Achromatic Lenses Stereo Adapter



7088

## Achromatic Lenses

Two Takumar lenses are made of quartz and fluorite. The 85mm lens contains no glass! Using fluorite and quartz has allowed the Pentax optical designers to produce two excellent achromatic lenses — lenses that are superb for infrared (IR), visible light, and ultraviolet (UV) photography. The 85mm is corrected against chromatic aberration from ultraviolet to infrared wavelength bands and the 300mm for visible and infrared wavelength bands.

## 85mm Ultra-Achromatic Takumar

The 85mm lens is corrected against chromatic aberration from 250mu to 800mu. Special filters are supplied for both IR and UV photography which automatically compensate for the varying focusing points of the two films. As the filter is screwed into the front of the lens, the front element is pushed toward the back of the lens to shift the focus. Includes case.

### SPECIFICATIONS:

MAXIMUM APERTURE: f/4.5  
MINIMUM APERTURE: f/22  
LENS ELEMENTS: 5 Groups  
DIAPHRAGM: Fully Automatic  
MINIMUM FOCUS: 2 Feet  
ANGLE OF VIEW: 29°  
FILTER SIZE: 49mm Screw-In  
LENSHOOD: 49mm Screw-In  
IR FILTERS: R62, R68, 862mu  
UV FILTERS: 365mu  
WEIGHT: 8.7 oz.  
LENGTH: 60.3mm  
WIDTH: 58.5mm  
LENS MOUNT: 42mm Pentax Screw

Cat. No.  
**7088\***

\*Special Order. Allow 90 days for delivery.



7089

## 300mm Ultra Achromatic Takumar

The 300mm f/5.6 uses glass and fluorite elements to achieve high resolution and extreme chromatic aberration correction over a wide range wavelength. It is corrected against chromatic aberration from 320mu up to 850mu. The visible portion of the spectrum extends from 400mu to 700mu.

This lens is excellent for telephotography in the visible and infrared portion of the spectrum. The use of fluorite elements allows a design that is very compact for its focal length and sharp in contrast and definition.

### SPECIFICATIONS:

MAXIMUM APERTURE: f/5.6  
MINIMUM APERTURE: f/22  
LENS ELEMENTS: 5 Groups  
DIAPHRAGM: Fully Automatic  
MINIMUM FOCUS: 16 Feet  
ANGLE OF VIEW: 8°  
FILTER SIZE: 58mm Screw-In  
LENS HOOD: Pull-Out (attached to lens)  
WEIGHT: 29 oz.  
LENGTH: 225.9mm  
WIDTH: 67.9mm  
ACCESSORIES: IR Filters — R62, R66, R68 (not included)  
LENS MOUNT: 42mm Pentax Screw

Cat. No.  
**7089\***

\*Special Order. Allow 90 days for delivery.



7079

## Honeywell Pentax Stereo Adapter

The stereo adapter fits on the front of a normal f/1.4, f/1.8, f/2 lens to split the 24x36mm into a stereo pair of single frame images. The kit consists of the adapter to fit the normal lens and a stereo ambient light viewer. The stereo adapter slips on the front of the lens and is tightened by a screw. The viewer has an adjustable ocular.

Cat. No.

**7097** Stereo Adapter and Viewer for SMC Takumar lenses, 49mm filter size

**7342** Stereo Adapter and Viewer for SMC Pentax lenses, 52mm filter size

**7079** Viewer only



Correction Lens

## Honeywell Pentax Correction Lenses

Lenses are inserted into an eyepiece for eyeglass wearers. Eyepiece included.

Cat. No.	Correction Lens
7151	-1.0
7153	-2.0
7155	-3.0
7160	+1.0
7162	+2.0



# Pentax 1°/21° Spotmeter V

## Pentax 1°/21° Spotmeter V

The Pentax 1°/21° Spotmeter is the key to accurate exposures. With the 21° viewing area and 1° metering area you can quickly and easily view your complete subject and meter the most important portion.

The Spotmeter V has Silicon Photo Diode metering cell for instant response regardless of the lighting conditions; dim, bright, low contrast, high contrast or even extreme back lighting.

For extremely dim situations, where you normally could not read the scale, the EVI to EV8 section of the scale can be illuminated by pressing the button on the side of the meter.

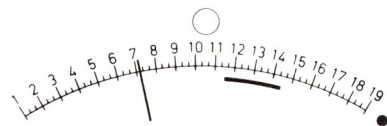
The Spotmeter uses the same pentaprism and viewing screen as the Pentax cameras for bright, eye level, upright and laterally correct viewing. It also has an improved light baffling system to reduce internal reflections.

The Pentax 1°/21° Spotmeter V is for photographers who demand accurate, selective exposures — instantly.

### SPECIFICATIONS

#### LIGHT LEVEL RANGE

EVI to EV19 at ASA 100  
Graduated Linear scale in viewfinder



#### ASA RANGE

ASA 6 to 6400

#### DIAPHRAGM RANGE

f/1 to f/128 in 1/3 f/stop increments

#### VIEWFINDER

21° viewing angle; magnification 1.5x;  
adjustable eye piece correction



#### ANGLE OF LIGHT MEASUREMENT

1° — indicated by circle in the center of the viewfinder

#### MEASUREMENT DISTANCE

5 feet to infinity

#### LIGHT SENSOR

Silicon Photo Diode for instant response

#### POWER

Three 1.5 volt mercury batteries  
Eveready S76

#### FILTER SIZE

46mm

#### DIMENSIONS

Length 4¾ inches  
Width 2½ inches  
Height 6½ inches

#### WEIGHT

18 oz.

Cat. No.

**7480** Pentax 1°/21° Spotmeter V  
with case and batteries

**7099** Spotmeter III replacement case

**503** Battery for the Spotmeter V,  
three Eveready S76 or the  
equivalent are required.





## SMC

Super-Multi-Coated Pentax Filters are designed specifically for Super-Multi-Coated lenses, but can be used with any lens. SMC Filters minimize reflections and glare that might be introduced by a filter.

## Filter Applications

### U.V., Ultra Violet.

Absorbs ultra-violet light rays. Helps to prevent haze in distant scenes. Can be used at all times without exposure factor, thus giving good protection to the lens. Primary use — B & W Film. Exposure Factor 1.

### Ghostless U.V.

A "ghost" image is the image light reflected back to the filter surface, re-transmitted through the lens, forming a duplicate image on the film plane. Use this filter to eliminate ghost images. This filter also provides the same protection as the above UV filter. Primary use — B & W Film. Exposure Factor 1.

### Y-1, Light Yellow.

Gives a slight emphasis on total separation between sky and clouds. Good choice for those who desire a subtle change in blue absorption. Primary use — B & W Film. Exposure Factor 1.5.

### Y-2, Medium Yellow.

Most popular of all filters for B & W Photography. Gives most accurate total rendition for panchromatic film. Primary use — B & W Film. Exposure Factor 2.

### O-2, Medium Orange.

Absorbs ultra-violet and blue light, thus making blue tones appear darker. Excellent for marine scenes, aerial photography and copying. Primary use — B & W Film. Exposure Factor 3.

### Y-G, Yellow Green.

Ideal outdoor filter to render more pleasing flesh tones in portraits against the sky than you can obtain with a yellow filter. Also renders beautiful black and white pictures of landscapes, flowers, blossoms and natural sky appearance. Primary use — B & W Film. Exposure Factor 2.

### R-2, Medium Red.

Use with panchromatic or infra-red films to achieve maximum contrasts. This filter will create dramatic sky effects, simulating moonlight scenes in mid-day by slight under-exposure. Cuts through fog, haze and mist by absorbing excessive blue and ultra-violet light rays. Excellent copying filter for blue prints. Primary use — B & W Film. Exposure factor 6.

### Skylight.

Recommended for use outdoors at all times to reduce excess blue and to add warmth to your subjects. Also use in open shade to reduce blue. Gives truer flesh tones when an excess of blue is prevalent. Primary use — Daylight Color Reversal Film. Exposure Factor 1.

### Cloudy (81A).

Slight warming filter. Cuts through haze, and prevents excessive bluish results, thereby giving warm tones in open shade and cloudy days. More effective haze-cutting than the Skylight filter. Primary use — Daylight Color Reversal Film. Exposure Factor 1.5.

### Morning & Evening (82A).

Slight cooling filter. Using this filter early in the morning and late in the afternoon to prevent excessive warm rendition, shade and cloudy days. More effective haze-cutting than the Skylight filter. Primary use — Daylight Color Reversal Film. Exposure Factor 1.5.

### Flash (80C).

Use with clear wire-filled flash bulbs . . . not with blue flash bulbs. More effective than the Morning & Evening filter in preventing excessive warmth. Primary use — Daylight Color Reversal Film. Exposure Factor 2.

### Flood (80B).

Photo flood tends to render excessive warm effect on your color film. Use this filter to "cool" it down to get correct color rendition. Primary use — Daylight Color Reversal Film. Exposure Factor 3.

### Type A.

Converts Tungsten Type A color film for outdoor use. Primary use — Tungsten Type A Color Reversal Film. Exposure Factor 2.

### Polarizer.

Eliminates unwanted surface reflections and glare. Primary use — B & W and Color Film. Exposure Factor 3.



## Pentax Filters

Type	Size and Catalog Number							
	49mm	52mm	SMC 52mm	58mm	SMC 58mm	67mm	SMC 67mm	77mm
Ultra Violet (UV)	764	7289	7341	776	7282	815	7287	885
Ghostless UV	7108							
Light Yellow (Y-1)	848							
Medium Yellow (Y-2)	765	7290	7351	777	7283	816		886
Yellow-Green (YG)	849							
Medium Red (R-2)	839		7356		7285			
Medium Orange (O-2)	766	7291	7352	778	7284	817		896
Polarizer	7106	7344		7174				
Skylight	851	7288	7353	836	7280	859	7286	897
Cloudy (81A)	838		7343		7281			
Morning & Evening (82A)	853							
Flash (80C)	837							
Flood (80B)	855							
Type A				7107				



7367



7368

## Adapters

Cat. No.

**7367** 49-52 Adapter, permits 52mm filters to be used on lenses with 49mm filter size.

Cat. No.

**7368** 52-49 Adapter, permits 49mm filters to be used on lenses with a 52mm filter size.





7094

### Auto Extension Tube Set

Fully-automatic extension tubes for Honeywell Pentax cameras. This set consists of three rings: No. 1, No. 2, and No. 3 for a total extension of 57mm. They may be used singularly or in combination as desired. When all three are used simultaneously with the 55mm lens, the subject is enlarged on film to a magnification of 1.17x.

Cat. No.

**7094** Auto Extension Tube Set 'S'

**7363** Auto Extension Tube Set 'K' with full aperture metering.



7395

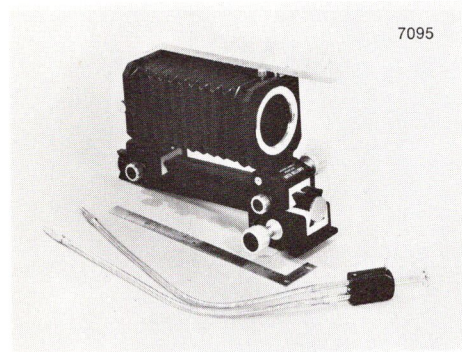
### Focusing Extension Tube

Provides variable extension from 16.8mm to 30.6mm. When used with a standard 55mm lens, it will permit magnifications from .3x to .71x.

Cat. No.

**7105** Focusing Extension Tube 'S'

**7395** Focusing Extension Tube 'K'



7095

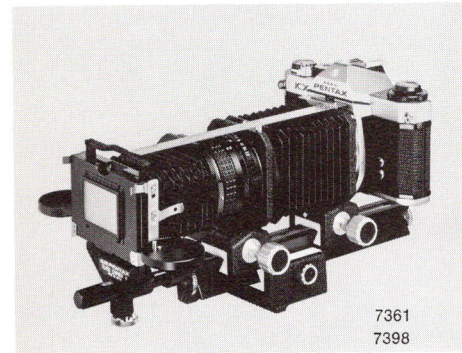
### Auto Bellows

Consists of one bellows on a single, rack and pinion track. Tripod base can be shifted to balance the equipment. Front lens board can be turned around to mount lens in a reverse position. Double cable release triggers the camera shutter and diaphragm of lens simultaneously.

Cat. No.

**7095** Auto Bellows 'S'

**7361** Auto Bellows 'K'



7361  
7398

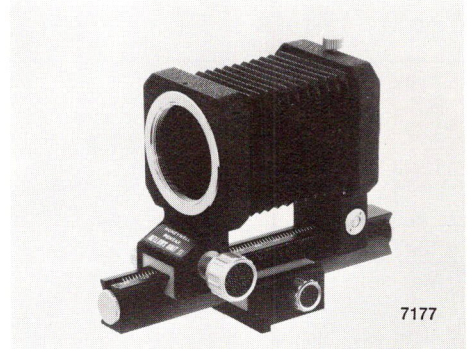
### Pentax Copipod

Lightweight, yet rigid and sturdy. This portable copying stand fits all models of the 35mm Pentax and can be used anywhere for copying documents, artwork, stamps, etc. Complete with lens board, and four calibrated telescoping legs. Sets up easily in seconds and is quickly disassembled. Fits neatly into small black pouch for storage or carrying convenience.

Cat. No.

**717** Copipod 'S'

**7396** Copipod 'K'



7177

### Slide Copier

Precision, finely made Slide Copier attaches to the front of the Auto Bellows for quick, accurate slide duplication and partial slide magnification.

Cat. No.

**7090** Slide Copier 'S'

**7398** Slide Copier 'K'

### Reverse Adapter

Allows standard 50mm or 55mm lenses to be used on extension tubes in reverse position for better macro results.

Cat. No.

**755** Reverse Adapter 'S'

**7366** Reverse Adapter 'K'

### Microscope Adapter

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

Cat. No.

**7091** Microscope Adapter 'S'

**7369** Microscope Adapter 'K'

### Bellows Unit II

Extremely flexible for ultra-close-up photography. It has a special calibrated shaft for continuous magnification from 0.56x to 2.29 with the 55mm lens.

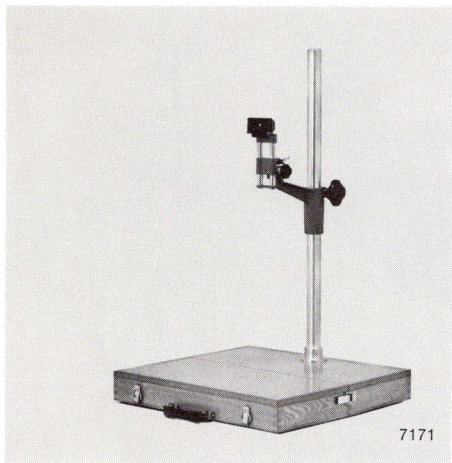
Cat. No.

**7177** Bellows Unit 'S'

**7371** Bellows Unit 'K'



# Macro/Micro/Copy Equipment



## Portable Copy Stand

New stand features a varnished wooden base that folds into its own compact carrying case and still leaves room for storing camera, extension tubes and small accessories. Weighs just 11 pounds; dimensions of folded case 18"x8½"x5".

Cat. No.

**7171** Portable Copy Stand 'S'

## Right Angle Finder II

Attaches easily to the viewfinder of all the 35mm Pentax cameras. It is designed for added convenience in low angle and close-up photography. Rotates 360° with click stops at each 90°. Eyepiece adjusts from +4 to -5 dioptre. Correct image viewing. Fits both "S" and "K" series cameras.

Cat. No.

**7416**

## Right Angle Finder

Attaches quickly and easily to the viewfinder of all models of Honeywell Pentax cameras. Designed for added convenience in low range and close-up photography, photomicrography, etc. Fits both 'S' and 'K' series cameras.

Cat. No.

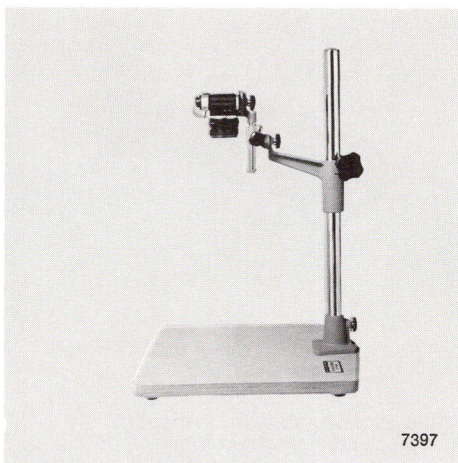
**788**

## Manual Extension Tube Set 'K'

The Manual Extension Tube Set is for the Pentax 'K' series cameras and lenses. Consists of three rings that may be used singularly or together. The three give a total extension of 57mm for a 1.17x magnification with a 55mm lens. Close-down metering is used and lens must be preset to shooting aperture.

Cat. No.

**7365** Manual Extension Tube Set 'K'



## Deluxe Copy Stand

Quickly and accurately aligns any 35mm Pentax camera for copying documents, specimens, artwork, other items.

Cat. No.

**7397** Deluxe Copy Stand 'K' and 'S'

## Clip-On Magnifier

For added convenience in critical focusing for close-ups, copying, macro photography, etc. Easily attached to the slotted frame of the viewfinder and enlarges viewfinder image 2x. Fits both "S" and "K" series cameras.

Cat. No.

**798**

## Close-Up Lenses

The Pentax close-up lenses screw into any Pentax lens with the same filter diameter. They shorten the effective focal length of the lens, increasing magnification without affecting exposure. The 'S' means the lens is for the normal 50 and 55mm lens while the 'T' indicates that the lens is for use with telephoto lenses. The SMC Close-Up lenses have Super-Multi-Coating and the numbers after the letters are the focal length of the lens.

Cat. No.

**821** 49mm Close-Up lens, S50

**7354** 52mm SMC Close-Up lens S25

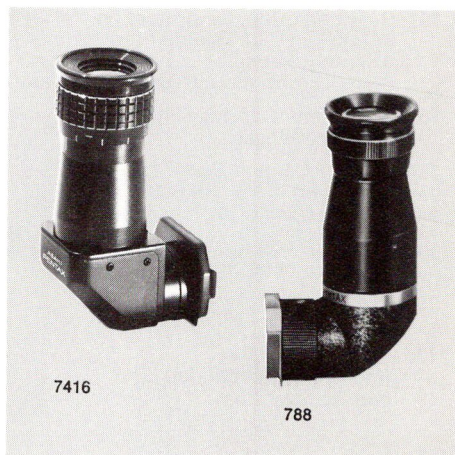
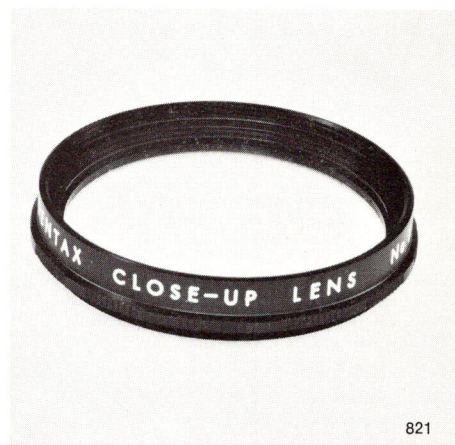
**7355** 52mm SMC Close-Up lens S40

**7357** 52mm SMC Close-Up lens T80

**7358** 52mm SMC Close-Up lens T160

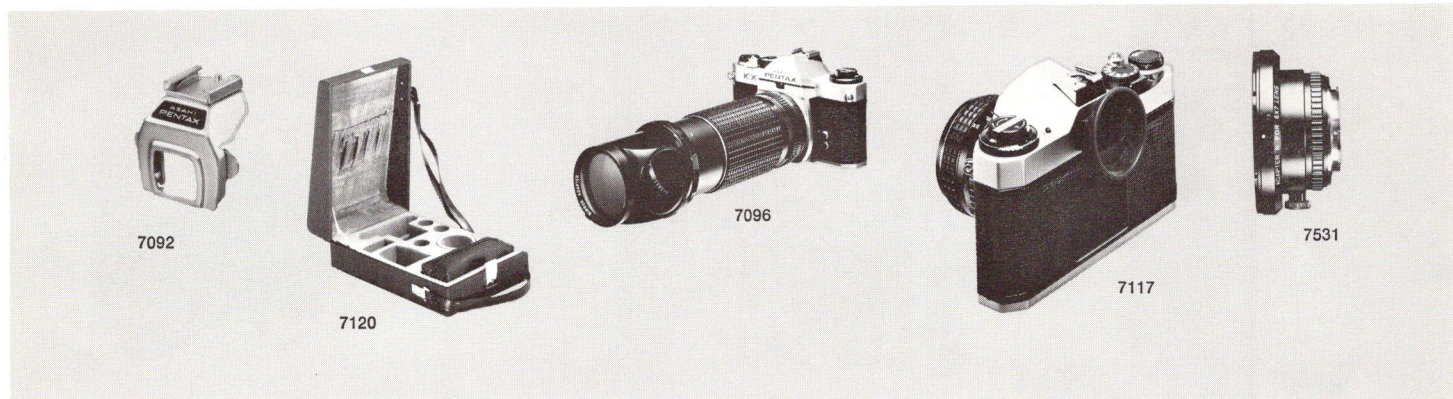
**7359** 58mm SMC Close-Up lens T95

**7373** 58mm SMC Close-Up lens T183





# Pentax 35mm System Accessories



## Pentax 35mm System Accessories

Cat. No.

- 789** Cable Release. 10" with rotating thread mount and locking screw for time exposure.
- 7104** Deluxe Cable Release, 12" with rotating thread mount and spring-loaded locking collar.
- 790** Leica Adapter "A", permits use of Leica screw-mount lenses on Pentax 'S' camera body (for close-up photography only).
- 791** Leica Adapter "B", for use with Pentax 'S' Takumar lenses on Leica screw-mount camera bodies (for close-up photography only).
- 7092** Deluxe Accessory Clip, locks into grooved slot of viewfinder for sturdy support of shoe-mounted accessories.
- 781** Rear Lens Cap, for protection of rear optic of Takumar lenses when not in use. (For all screw mount Takumar lenses)
- 757** Front Lens Cap for 49mm threaded lenses
- 794** Cap for Camera Body, for protection of Pentax screw mount camera body when lens is removed.
- 7102** 10 "D"-Rings for attaching camera straps to camera lugs.
- 795** Film Cassette for bulk loading
- 7120** Foam Travel Bag, for Pentax camera, lenses and accessories

**7096** Right-Angle Mirror Adapter, for taking candid pictures of subjects at right angles from lens axis. Fits telephoto lenses having 58mm filter diameters

**7117** Rubber Eye Cup

**7135** Clip-on Meter for "SL" Cameras

**7173** Wooden Tripod for 1000mm lenses

**7531** P Mount Adapter (permits use of 6x7 lenses on Pentax screw mount 35mm Cameras)

**7399** K Mount Adapter/6x7 to use 6x7 lenses on Pentax 35mm K mount cameras.

**For custom products and modifications, see special section.**

## Replacement Cases for Takumar Lenses

Genuine black leather, custom-padded for size and configuration of lens. Each case supplied with carrying strap. **Most Takumar lenses are supplied with cases. This listing provides ordering information for replacement or extra lens cases.**

Cat. No.

- 7052** Case for 17mm f/4.0 lens
- 7032** Case for 18mm f/11 lens
- 7115** Case for 20mm f/4.5 lens
- 7056** Case for 24mm f/3.5 lens
- 7053** Case for 28mm f/3.5 lens (new)
- 7034** Case for 35mm f/3.5 lens
- 7035** Case for 35mm f/2.0 lens (old)
- 7057** Case for 35mm f/2.0 lens (new)

**7036** Case for 50mm Macro lens

**7058** Case for 50mm Super-Macro lens

**7037** Case for 50mm f/1.4 lens \*

**7038** Case for 55mm f/1.8 lens or 55mm f/2.0 lens

**7039** Case for 70-150mm f/4.5 Zoom lens

**7040** Case for 85mm f/1.9 lens

**7060** Case for 85-210mm f/4.5 Zoom lens

**7172** Case for 100mm f/4.0 Macro

**7041** Case for 100mm f/4.0 Bellows

**7042** Case for 105mm f/2.8 lens

**7054** Case for 135mm f/2.5 lens

**7043** Case for 135mm f/3.5 lens

**7044** Case for 150mm f/4.0 lens

**7045** Case for 200mm f/5.6 lens

**7046** Case for 200mm f/3.5 lens

**7047** Case for 200mm f/4.0 lens

**7055** Case for 300mm f/4.0 lens

**7048** Case for 300mm f/6.3 lens

**7049** Case for 300mm f/4.0 lens (man.)

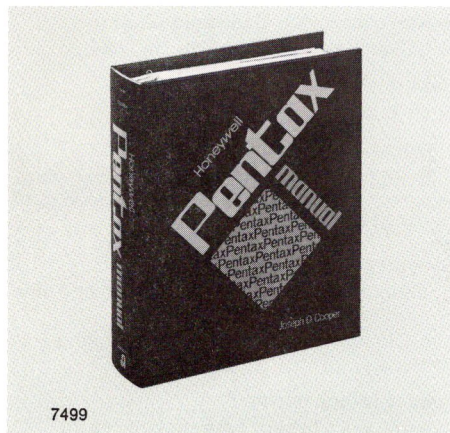
**7050** Case for 400mm f/5.6 lens

**7051** Case for 500mm f/4.5 lens

**7099** Case for 1°/21° Meter



# Pentax Books and Camera Cases



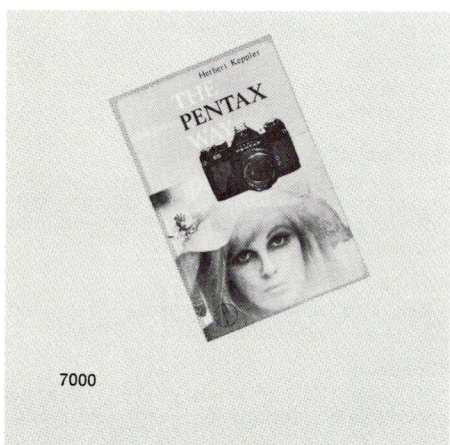
7499



ES II  
7206



7372



7000



SPOTMATIC  
7122



7120

## Honeywell Pentax Books

A must for every Honeywell Pentax owner. Here is all the information on Pentax basic lenses and telephotos, how pros use the Pentax, lighting, color film, and so on.

Cat. No.

- 7000** "The Pentax Way," by Herbert Keppler, 353 pages, illustrated. Amphoto, N.Y.
- 889** "Honeywell Pentax System," by Ernest Reshovsky, 80 pages, illustrated. Petersen Publishing Co., L.A.
- 7499** "Honeywell Pentax Manual," by J. D. Cooper, 512 pages, illustrated, 65 color pages. Amphoto, N.Y.

## Honeywell Pentax Camera Cases

Cat. No.

- 7206** Soft black leather case for ES II
- 7121** Soft black leather case for ES
- 7122** Soft case for Spotmatics, SP1000, SP500, SL, K1000, KM and KX.

Cat. No.

- 7372** Soft leather case for K2
- 7364** Soft leather case for KX.
- 7349** Medium front top half of soft case for larger than normal lenses, Cat. No. 7364
- 7120** Pentax Foam Travel Bag for Pentax camera, lenses and accessories



# Pentax 6x7 Ideal-Format SLR Camera System



## Pentax 6x7

The Pentax 6x7 has been improved for 1976 with a stronger, better film transport, new battery check indicator and a mirror lockup to prevent movement during long exposures.

The Pentax 6x7 delivers tack-sharp detail on an ideal  $2\frac{1}{4} \times 2\frac{3}{4}$  negative or transparency. The super accurate shutter is electronically controlled. And a through-the-lens metering prism assures good results.

The 6x7 offers a complete range of interchangeable "double-bayonet" lenses, from 35mm fish-eye to a 1000mm super-telephoto. They're identified as "Super-Multi-Coated Takumar/6x7," distinguishing them from lenses for the 35mm Pentax cameras. A complete line of accessories for close-up and macro-photography is also available.

The Pentax 6x7 offers superb design, balance and performance.

### Standard 6x7 Set

**7212** 6x7 Body with mirror lockup

**7211** TLM Pentaprism

**7226** 105mm f/2.4 Super-Multi-Coated Takumar/6x7

Optional focusing screens and modifications available: see special section.

## SPECIFICATIONS

### Type

Ideal-format single-lens reflex camera with interchangeable lenses.

### Film size

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

### Picture size

55mm x 69mm

### Exposure counter

Automatic re-set type

### Back cover

Hinged back for easy film loading and unloading.

### Film transport \*

Single-stroke rapid wind lever transports film and cocks shutter; permits free film transport without shutter cocking when film frames to be exposed are being brought into place.

### Rotation angle of rapid wind lever

$10^\circ$  pre-advancing angle +  $180^\circ$  advancing angle.

### Shutter

Electronically-timed focal plane shutter with rubberized silk curtains.

### Shutter speed dial

Linear scaled speed dial is a rotary switch for changing fixed resistors for electronic shutter mechanism.

### Shutter speeds

B 1  $\frac{1}{2}$   $\frac{1}{4}$   $\frac{1}{8}$   $\frac{1}{15}$   $\frac{1}{30}$   $\frac{1}{60}$   $\frac{1}{125}$   
 $\frac{1}{250}$   $\frac{1}{500}$   $\frac{1}{1000}$  sec. and X.

### Electronic flash synchronization

$\frac{1}{30}$  sec.

### Power source for electronic shutter

6V silver battery (Eveready No. 544).

### Battery check \*

Push button + indicator

### Viewfinders

Detachable eye-level and waist-level viewfinders. Ground glass permits viewing of 100% of the film image.

### Ground glass and Fresnel lens

Combination of microprism center and fine ground glass.

See Custom Section for other focusing screens.

### Instant return mirror \*

Swing-back and -up type instant return mirror.

Also has mirror lock up to minimize \* vibration for long exposures.

### Diaphragm

Fully automatic diaphragm lenses from 35mm fish-eye to 300mm.

### Lens mount

Special dual bayonets; inside bayonet for lenses from 35mm fish-eye to 300mm, outside bayonet for other longer telephoto lenses.

### Weight

5 lbs., 4 oz. with 105mm standard lens and pentaprism viewfinder.

### Dimension

7.2" (width) x 5.9" (height) x 6.1" (depth) with 105mm standard lens and pentaprism.

Cat. No.

**7212** 6x7 Black Camera Body with body cap, strap, viewfinder cap, and mirror lockup.

\* Improved Features



# Pentax 6x7 Accessories



7211  
7505  
7506



7211



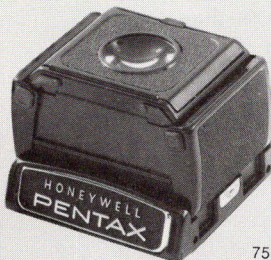
7512



7510



7505



7511

## Through-The-Lens Metered Pentaprism

Attaches to the 6x7 body in the same manner as other viewing units, coupling to both the shutter speed dial and diaphragm automatically. Gives CdS average metering either at full aperture with the automatic 6x7 lenses or stopped down with the manual lenses and extension tubes. The same battery that powers the shutter mechanism of the camera also powers the through-the-lens metering system. Shutter speeds from 1 to 1/1000 second with ASA 100 film, Diaphragm settings from f/2 to f/22. Weight: 1 lb. 2 oz.

**7211** Through-The-Lens Pentaprism

## HONEYWELL PENTAX 6x7 ACCESSORIES

Cat. No.

**7511** Folding Hood

**7512** Rigid Magnifying Hood

**7210** 6x7 Pentaprism

**502** 6 Volt Silver Oxide Battery (PX28/E544)

Cat. No.

**7502** Quick Focus Device "B", (Fits 35mm, 55mm and 90mm 6x7 lenses)

**7505** Quick Focus Device "A" (Fits 105mm, 135mm, 150mm and 200mm 6x7 lenses)

**7506** 6x7 Hand Grip

**7503** Adapter to fit 500mm SMCT lens, Cat. No. 7274, to 6x7

**7509** Rubber Eye Cup

**7510** 2x Magnifier for Prism

**7104** Cable Release

**7524** Remote Battery Cord

**7525** Battery Cord Plate

**7550** Body Cap (Lens)

**7555** Rear Lens Cap (Outer)

**7556** Rear Lens Cap (Inner)

**7559** Prism Cap

**7557** Neck Strap

**7558** Body Cap (View Finder)

**7551** 67mm Lens Cap



# Pentax 6x7 Accessories



## Pentax 6x7 SLR Camera System Accessories

**7526 2X Rear Converter.** For super-telephotography. Inserts between the 6x7 body and outer bayonet lenses — 400, 600 and 800mm — to double their focal lengths

**7531 P Mount Adapter.** Permits use of 6x7 lenses on Pentax screw mount 35mm cameras. Lenses focus to infinity.

**7399 'K' Mount Adapter.** Permits use of 6x7 lenses on Pentax bayonet mount 35mm cameras. Lenses focus to infinity.

### 6x7 MACRO & COPY EQUIPMENT

Cat. No.

**7500 Auto. Ext. Tubes** (for 35mm to 300mm lenses)

**7504 Ext. Tubes** (for 400mm to 1000mm lenses)

**7507 Auto Bellows**

**7513 Copy Stand**

**7527 Helicoid Extension Tube** (for inner bayonet lenses, enabling close-up magnification from 0.3 to 0.6x with 105mm standard lens)

**7528 67mm Reverse Adapter** (for use in conjunction with helicoid or auto extension tubes to reverse mount 67mm lenses)

**7529 49mm Reverse Adapter** (for reverse mounting 50mm f/4.0 Macro Takumar with helicoid extension tube for 2 to 2.4x magnification)

**7530 Slide Copier** (must be used with reverse adapter #7529 and helicoid extension tube #7527 and lens)

**7501 6x7 Right Angle Finder.** Designed for low angle and close up photography when you don't want to remove the pentaprism. It screws into the viewfinder, rotates 360°, has a detachable eye-cup and adjusts from +3 to -5 dioptre. Has correct image viewing.

### 6x7 BAYONET MOUNT FILTERS

Cat. No.

**7400 67mm Skylight**

**7401 67mm UV**

**7403 67mm Med. Yellow**

**7404 Med. Orange**

**7405 67mm Yellow Green**

**7406 67mm Med. Red**

**7407 67mm Cloudy**

**7408 67mm Morning/Evening**

**7413 67mm Polarizer**

**7430 77mm Skylight**

**7431 77mm UV**

**7432 77mm Medium Yellow**

**7433 77mm Medium Orange**

**7450 82mm Skylight**

**7451 82mm UV**

**7452 82mm Medium Yellow**

**7453 82mm Medium Orange**

**7470 100mm Skylight**

**7471 100mm UV**

**7472 100mm Medium Yellow**

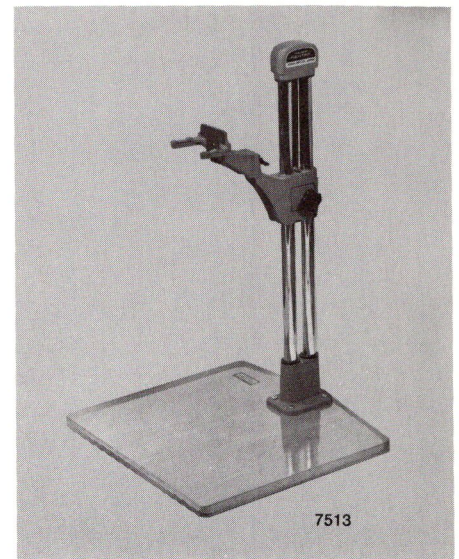
**7473 100mm Medium Orange**

### 6x7 FILTER FRAMES FOR 3" GELS.

**7545 67mm Gelatin Filter Frame**

**7546 82mm Gelatin Filter Frame**

**7547 100mm Gelatin Filter Frame**  
(3" Gelatin Filter Fits All Three Frames)



### 6x7 PRESCRIPTION EYEPIECES

Cat. No.

**7517 -5 Diopter**

**7518 -4 Diopter**

**7519 -3 Diopter**

**7520 -2 Diopter**

**7521 -1 Diopter**

**7522 +1 Diopter**

**7523 +2 Diopter**



# Pentax 6x7 Lenses



## 6x7 TAKUMAR AND SUPER-MULTI-COATED TAKUMAR LENSES

Cat. No.

- 7220** 35mm f/4.5 Super-Multi-Coated Takumar (Full Frame Fish-Eye)
- 7222** 55mm f/3.5 Super-Multi-Coated Takumar
- 7223** 75mm f/4.5 Super-Multi-Coated Takumar
- 7224** 90mm f/2.8 Super-Multi-Coated Takumar with leaf shutter (1/60-1/500 sec.)
- 7226** 105mm f/2.4 Super-Multi-Coated Takumar (Normal Lens for 6x7 Format)
- 7227** 135mm f/4.0 Macro Super-Multi-Coated Takumar
- 7228** 150mm f/2.8 Super-Multi-Coated Takumar
- 7229** 200mm f/4.0 Super-Multi-Coated Takumar
- 7230** 300mm f/4.0 Super-Multi-Coated Takumar
- 7231** 400mm f/4.0 Super-Multi-Coated Takumar
- 7381** 600mm f/4.0 Super-Multi-Coated Takumar
- 7382** 800mm f/4.0 Super Takumar
- 7234** 1000mm f/8.0 Reflex Takumar

## 6x7 LENSHOODS

Cat. No.

- 7419** Hood for 55mm Super-Multi-Coated Takumar
- 7420** Hood for 75mm Super-Multi-Coated Takumar
- 7421** Hood for 105mm Super-Multi-Coated Takumar
- 7422** Hood for 150mm Super-Multi-Coated Takumar

## REPLACEMENT CASES FOR TAKUMAR/6x7 LENSES

Genuine black leather, custom padded for size and configuration of lens, chrome-plated snap lock. Each case supplied with carrying strap. **Takumar 6x7 lenses are always supplied with cases. This listing provides ordering information for replacement or extra lens cases.**

Cat. No.

- 7571** Case for 35mm 6x7
- 7572** Case for 55mm 6x7
- 7573** Case for 75mm 6x7
- 7574** Case for 105mm 6x7
- 7576** Case for 150mm 6x7
- 7577** Case for 200mm 6x7
- 7578** Case for 300mm 6x7
- 7583** Case for 7210 Pentaprism 6x7

## 6X7 LENS ACCESSORIES

- 7426** 6X7 Sott Lens Case
- 7555** Rear Lens Cap (Outer)
- 7556** Rear Lens Cap (Inner)
- 7551** 67mm Lens Cap



# 6x7 Takumar Lens Specification Cross Reference

Cat. No.	Lens	Diaphragm	Lens Elements	Lens Type	Min. Aperture	Minimum Focal Dist.		Angle Degrees	Weight		Filter Diameter	Lens-hood Size (In mm)	Length		Diameter	
						Feet	Meters		Ozs.	Gm.			In.	mm	In.	mm
7220	Fish-Eye 35mm SMCT 6x7 f/4.5	Fully-Auto.	11	Wide Angle Retrofocus	f/22	1.4	0.45	180°	32.9	932	UV, Y2, O2, R2	—	2.9	73	3.9	102
7222	55mm SMCT 6x7 f/3.5	Fully-Auto.	8	Wide Angle Retrofocus	f/22	1.4	0.45	78°	33.9	962	100	—	3.2	82	3.9	103
7223	75mm SMCT 6x7 f/4.5	Fully-Auto.	5	Wide Angle Retrofocus	f/22	2.2	0.70	61°	20.5	580	82	82	3.2	81	3.5	89
7224	90mm SMCT 6x7 f/2.8	Fully-Auto.	6	Leaf Shutter	f/22	2.7	.85	52.5	21.5	610	67	67	3.5	89	2.5	62.5
7226	105mm SMCT 6x7 f/2.4	Fully-Auto.	6	Normal	f/22	3.2	1.00	45°	22.0	625	67	67	2.4	60	3.5	89
7227	135mm Macro SMCT 6x7 f/4.0	Fully-Auto.	5	Macro	f/32	2.7	0.85	36°	27.1	767	67	Not Re- quired	3.9	99	3.5	89
7228	150mm SMCT 6x7 f/2.8	Fully-Auto.	5	Telephoto	f/22	4.9	1.50	33°	27.1	768	67	67	3.6	92	3.5	89
7229	200mm SMCT 6x7 f/4.0	Fully-Auto.	4	Telephoto	f/22	8.2	2.50	26°	31.6	887	67	*	4.7	120	3.5	89
7230	300mm SMCT 6x7 f/4.0	Fully-Auto.	5	Telephoto	f/45	16.4	5.00	17°	49.4	1400	82	*	7.3	186	3.6	93
7231	400mm SMCT 6x7 f/4.0	Manual	5	Telephoto	f/45	26.2	8.00	12°	87.3	2475	77	*	11.3	287	4.5	115
7381	600mm SMCT 6x7 f/4.0	Manual	6	Telephoto	f/45	39.3	12.00	8°	194.1	5500	77	*	14.6	370	6.7	170
7382	800mm Takumar 6x7 f/4.0	Manual	6	Telephoto	f/45	65.6	20.00	6°	617.7	17500	77	*	24.1	611	9.3	236
7383	1000mm Reflex-Takumar 6x7 f/8.0	ND-2X-4X-8X Filters Built-in	6	Mirror Reflex- Telephoto	—	114.8	35.00	5°	225.9	6400	67 Skylight UV, Y2, R2 Built-in	*	13.9	352	6.7	170

\*Lenshood supplied w/lens.

**Honeywell**

Photographic Products Division

September, 1976