

35mm SLR PENTAX CAMERAS



ES,
Page 2



Spotmatic IIa,
Page 4



Spotmatic II,
Page 3

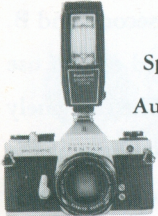


Spotmatic,
Page 6



SP 500
Page 6

PENTAX STROBO-EYE KITS



Spotmatic IIa
and
Auto/Strobonar
462,
Page 5



Spotmatic IIa
and
Auto/Strobonar
772,
Page 5

SUPER-MULTI-COATED TAKUMAR LENSES



Pages 9-16, 28 and 29

SPECIAL APPLICATION PENTAX CAMERAS



Spotmatic
Motor Drive,
Page 23

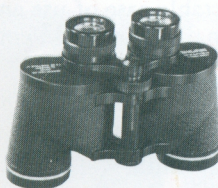


6 x 7 Ideal Format SLR,
Page 25



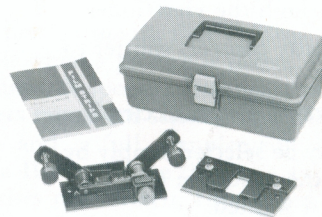
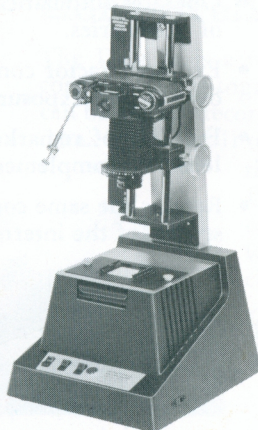
Nocta,
Page 32

PENTAX BINOCULARS



Page 33

REPRONAR AND ACCESSORIES



Pages 30 and 31

PENTAX

HONEYWELL PHOTOGRAPHIC PRODUCTS

HONEYWELL PENTAX ES



The new Honeywell Pentax ES offers fully automatic exposure with wide-open or stop-down metering. It has a patented "memory circuit" which stores the exposure information while the mirror is swinging and then controls the shutter. The electronic shutter operates continuously between 8 and 1/1000 seconds, accurately selecting the correct speed down to a fraction of a second. The speed selected (1 to 1/1000 second) is visible through the viewfinder. Automatic time exposures to 8 seconds are also possible. Higher or lower shutter speeds may be selected when the Pentax ES is set on automatic simply by turning the diaphragm ring until the needle in the viewfinder shows the shutter speed wanted. The shutter speed dial may also be set to mechanically governed speeds from 1/60 to 1/1000 second and B. The camera retains the clean styling and simplified ease of use that make Pentax a classic in the 35mm field. The extremely reliable integrated circuitry is located in the base of the Honeywell Pentax ES, making the camera a fraction of an inch taller. Visible differences in the Pentax ES are the battery housing for a 6-volt Eveready 544 silver oxide battery on the front of the camera where the self-timer is normally located; a tiny battery check button on the top plate; exposure factor control dial that allows creative control over automatic exposure, and minor styling changes. The Honeywell Pentax ES operates automatically with the complete system of Pentax 35mm accessories and a full line of unique, Super-Multi-Coated Takumar lenses.

- Fully automatic exposure.
- Electronic shutter operates continuously between 8 and 1/1000 seconds.
- Correct shutter speed is visible through the viewfinder.
- Patented memory device electronically controls shutter to provide correct exposure.
- Extremely dependable, fully integrated electrical circuit.
- Higher or lower shutter speeds may be selected simply by turning the diaphragm ring until the needle in the viewfinder shows the shutter speed wanted.
- Provides full exposure automation with wide-open or stop-down metering.
- Operates automatically with the complete Pentax system of accessories.
- Exposure factor control dial permits intentional over/under exposure.
- Full line of remarkable Super-Multi-Coated Takumar lenses to complement a remarkable camera.
- Retains the same comfortable ease of use and classic styling of the internationally respected Pentax Spotmatic.

Cat. No.	
7182	Honeywell Pentax ES with 50mm f/1.4 Super-Multi-Coated Takumar lens, satin black finish. \$549.50
7185	Honeywell Pentax ES with 55mm f/1.8 Super-Multi-Coated Takumar lens, satin black finish. \$499.50
7183	Honeywell Pentax ES Body, satin black finish \$389.50
7121	Soft Case for Pentax ES \$ 24.50

HONEYWELL PHOTOGRAPHIC PRODUCTS

HONEYWELL PENTAX cameras and accessories



Honeywell Pentax Spotmatic II with Super-Multi-Coated Takumar Lenses

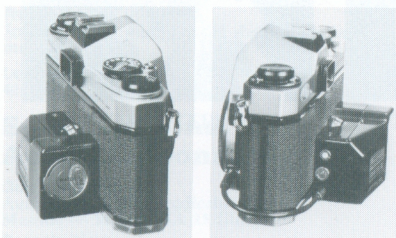
The Spotmatic II differs mainly from the IIa in that it does not have the built-in Strobo-Eye.

Takumar lenses with multi-layer coating are unique in camera lens optics. These exceptional lenses improve picture contrast and provide truer color rendition, particularly in shadowed subjects. The Spotmatic II has an extended ASA range — from 20 to 3200, the same as the Spotmatic IIa. The film reminder dial can be set to indicate if 20 or 36 exposure film is loaded in the Spotmatic II. A positive film loading device has a tensing mechanism that holds the film securely, lessening the chance of missing valuable shots. The Spotmatic II shares all the classic features of the Spotmatic, including the uncanny accurate Spotmatic exposure meter system. The Spotmatic II is available with a 55mm f/1.8 or 50mm f/1.4 Super-Multi-Coated Takumar lens. The Spotmatic II retains the compact, well-balanced and distinctive Pentax "feel" that has made it the world's best selling 35mm SLR.

Cat. No.

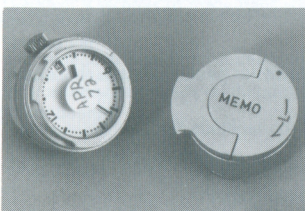
7072	Satin chrome Honeywell Pentax Spotmatic II Motor Drive with 50mm f/1.4 Super-Multi-Coated Takumar lens	\$429.50
7132	Satin chrome Honeywell Pentax Spotmatic II with 55mm f/1.8 Super-Multi-Coated Takumar lens	\$349.50
7136	Satin chrome Honeywell Pentax Spotmatic II with 50mm f/1.4 Super-Multi-Coated Takumar lens	\$389.50
7138	Satin black Honeywell Pentax Spotmatic II with 50mm f/1.4 Super-Multi-Coated Takumar lens	\$399.50
7140	Satin chrome Honeywell Pentax Spotmatic II camera body	\$239.50
7141	Satin black Honeywell Pentax Spotmatic II camera body	\$249.50

For ordering models with optional focusing screens, see page 34.



Honeywell Pentax Data II

The Data II is a unique Spotmatic that records data automatically in the upper left corner of a photograph when a picture is taken. A detachable watch, with second hand, can be used to record time. A special, detachable memo plate can be used to record other data. The Data II offers numerous scientific applications, plus the Pentax ease of operation and a full complement of accessories. Specifications for the Data II camera are the same as a regular Spotmatic II. The data unit consists of a watch, film speed dial, light-intercepting shade for the watch window, confirmation lamp for electric circuit and battery check button. Uses a 6V #544 battery.



Watch and memo plate.



Data recorded, upper left corner

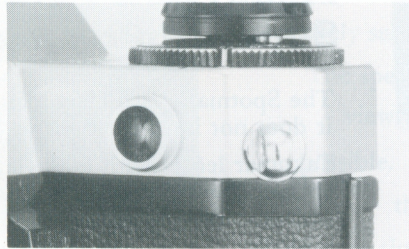
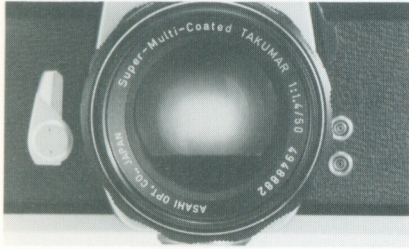
Cat. No.

7144	Honeywell Pentax Data II body with watch and memo plate	\$439.50
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HONEYWELL PHOTOGRAPHIC PRODUCTS

HONEYWELL PENTAX cameras and accessories

Honeywell Pentax Spotmatic IIa with Super-Multi-Coated Takumar Lenses



Super-Multi-Coated Takumars . . . and a new, automatic Strobe-eye sensor . . . combined in the classic Pentax, give the maximum available in design and technology in a 35mm slr camera.

With Super-Multi-Coated Takumars and the Spotmatic IIa's unique Strobe-eye sensor you get the maximum in light transmission and flare-free pictures — and the maximum in electronic flash control with the new Honeywell remote Auto/Strobonar* 772, 882 or 462. The sensor gives the capability of automatic electronic flash off camera or on, bounce or direct, from 2 feet to 40 feet, with a choice of f/stops. The light reading for the Auto/Strobonar is always taken from the most critical point — the camera. The result is an accurate exposure every time. There's no reason to look for more in a 35mm slr. The Honeywell Pentax Spotmatic IIa with Strobe-eye sensor and Super-Multi-Coated Takumar lenses is a long title, but a lot of camera. The Honeywell Pentax has long been the number one selling 35mm slr. Takumar lenses have always rated superior, and with the addition of Super-Multi-Coating they are in a class apart from other fine lenses. Now, the Pentax Spotmatic IIa has another refinement . . . Strobe-eye . . . that sets the Pentax system further apart from other 35mm systems. Complete specifications for the Spotmatic IIa are on page 5.

*For complete information on remote Auto/Strobonars see the Strobonar section.

Cat. No.

7133	Satin chrome Honeywell Pentax Spotmatic IIa with 55mm f/1.8 Super-Multi-Coated Takumar lens	\$379.50
7137	Satin chrome Honeywell Pentax Spotmatic IIa with 50mm f/1.4 Super-Multi-Coated Takumar lens	\$419.50
7139	Satin black Honeywell Pentax Spotmatic IIa with 50mm f/1.4 Super-Multi-Coated Takumar lens	\$429.50
7142	Satin chrome Honeywell Pentax Spotmatic IIa camera body*	\$269.50
7143	Satin black Honeywell Pentax Spotmatic IIa camera body* ..	\$279.50

*All bodies are supplied with screw-in body cap.

For ordering models with optional focusing screens, see page 34.



WITHOUT SMCT



WITH SMCT

Super-Multi-Coating: The Big Difference

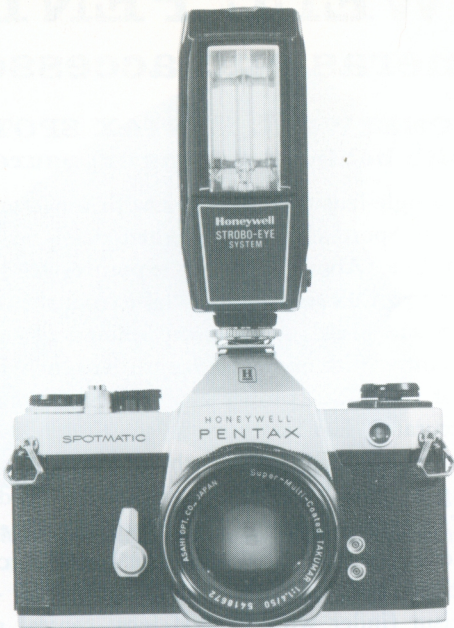
Until now, multi-layer coating has only been used for high precision optical machines, windows of space ships and other special technical applications. A coating of multiple layers of special anti-reflective agents on most Super-Takumar lenses has a remarkable effect on the light passing through the lens. Super-Multi-Coated Takumars are unequaled. The distinguishing features are:

- Greater light transmission means brighter lenses. Super-Multi-Coating, allows 20 to 50 per cent more light to pass through the same aperture than conventionally coated lenses. Perfect for the available light photographer.
- "Ghostless" pictures. Flare and other "ghost" reflections are fantastically reduced, even when the subject is back lit.
- Super-Multi-Coating gives a flat transmission curve throughout the visible light spectrum. All colors pass with equal intensity, resulting in more realistic color balance in photographs.
- Pentax multi-layer coating is much harder than ordinary coating. Lens surfaces are more scratch-resistant with this ultra-hard coating.

Once again, Pentax is the technological leader in the photographic industry. Super-Multi-Coating on Takumar lenses, with the superior optics that characterize the Takumar line, has resulted in lenses that are unmatched in performance.

HONEYWELL PHOTOGRAPHIC PRODUCTS

HONEYWELL PENTAX STROBO-EYE KITS



The Pentax Spotmatic IIa with Auto/Strobonar 462



The Pentax Spotmatic IIa with Auto/Strobonar 772

The Pentax Spotmatic IIa — matched with the Honeywell Auto/Strobonar 462 or 772 — represents the most advanced camera/electronic flash system on the market today! The automatic sensor which reads the light has been taken out of the electronic flash unit and built right into the Spotmatic IIa, allowing the photographer more creative use of the flash — on-camera, off-camera or for bounce lighting. The "Strobo-Eye" measures just enough light for a good exposure, then automatically turns the flash unit off. Both Auto/Strobonars offer variable range capabilities for controlled depth of field, flash duration to 1/70,000th of a second, plus a "Green Light" exposure indicator for pre-test and verification of good exposure — a Honeywell exclusive.

SPECIFICATIONS, PENTAX SPOTMATIC IIa with Super-Multi-Coated Takumar Lenses

Type
35mm SLR with built-in light meter.

Film and Picture Size
35mm film (20 or 36 exposures). 24mm x 36mm.

Shutter
Focal plane shutter has single non-rotating dial. Speeds: B, 1-1/1000 sec. Film speed (ASA) setting dial and window on shutter speed dial. Shutter curtains of special rubberized silk.

Finder
Pentaprism finder with microprism Fresnel lens, 0.88x magnification with 50mm lens and approximately life-size with 55mm lens.

Reflex Mirror
Instant return with special shock absorbers for minimum vibration.

Lens Mount
42mm threaded lens mount.

Specifications, Auto/Strobonar 462

Guide Number
Automatic — Not applicable
Manual — 56 for ASA 25 film

Recycle Time
Less than 9 seconds to ready light with charged batteries

Flashes Per Rapid Charge
8 or more after 5 minutes of charging
25 or more after 20 minutes of charging
50 or more after 3 hours of charging

Power Source
Rechargeable Ni-Cad batteries

Film Advance
Ratchet-type rapid wind lever (for film advance and shutter cocking). 10° pre-advancing and 160° advancing angle.

"Cocked" Indicator
Red disk appears in window alongside shutter release button when shutter is cocked, blacks out when released.

Film Exposure Counter
Automatic re-set type.

Flash Synchronization and Strobo-Eye System
FP or X at hot shoe or standard PC flash terminals. Strobo-eye flash synchronization at 1/60 sec.

Exposure Meter
Built-in meter measures brightness off ground glass; couples to shutter, film speed settings. Film speed (ASA) ranges from 20 to 3200 (LV1-18 for ASA 100 film with standard lens.) Meter powered by mercury battery.

Automatic Setting for ASA 25 Film on Spotmatic IIa
Choice of f/4.0, f/2.8 or f/2.0

Automatic Shooting Ranges on Spotmatic IIa
2 to 14 feet; 3 to 20 feet; 4 to 28 feet

Angle of Coverage
50 degrees horizontal and vertical

Specifications, Auto/Strobonar 772

Guide Number
Automatic — Not applicable
Manual — 80 for ASA 25 film

Self-Timer
Built-in self-timer releases shutter in 5-13 seconds.

Film Rewind
Rapid rewind crank. Film rewind release button, bottom of camera, rotates while film is rewound.

Loaded Film Indicator
Film reminder dial underneath film rewind knob is marked EMP. (empty); 20 and 36 (exposures) in green (for color; tungsten type); in white (black-and-white); in orange (for color; daylight type).

Warning Signal
Shutter speed index turns red when shutter and film speed settings are off meter's measurability range.

Dimensions
5.6" wide x 3.6" high x 3.4" thick.

Weight
Body alone: 22 oz.; with 50mm f/1.4 lens, 30 oz.

Recycle Time
Fresh Battery — Less than 15 seconds
AC — About 18 seconds (ready light may not light during AC operation)
Combined Battery and AC — Less than 12 seconds

Flashes Per Charge
80 minimum

Power Source
Rechargeable Ni-Cad batteries
AC — 105 to 120 volts, 50/60 Hz.

Automatic Range
With Strobo-Eye — 2 to 40 feet

Angle of Coverage
50 degrees horizontal and 40 degrees vertical

- Cat. No. 7145 Honeywell Pentax Spotmatic IIa with 50mm f/1.4 Super-Multi-Coated Takumar and Auto/Strobonar 772 with coiled cord, clamp and bracket. **\$594.30**
- Cat. No. 7146 Honeywell Pentax Spotmatic IIa with 55mm f/1.8 Super-Multi-Coated Takumar and Auto/Strobonar 462 with 12" Shutter Cord **\$509.45**

HONEYWELL PENTAX cameras and accessories

HONEYWELL PENTAX SPOTMATIC with behind-the-lens exposure system



Honeywell Pentax Spotmatic, chrome finish,
with f/1.8 Super-Takumar lens.

The world's first single-lens-reflex camera with a behind-the-lens exposure system, the Spotmatic is an accepted classic in the Honeywell Pentax line. Absolute correct exposures are simple with the Spotmatic. Its two CdS sensors read light from the image focused on the ground glass . . . the same amount of light that strikes the film plane. With any focal length lens, or with bellows, extension tubes, or filters . . . proper exposure is automatic and extremely accurate. The Spotmatic's metering system can be operated with one hand without taking the eye from the viewfinder by simply pushing a switch and centering a needle. And, for special effects, it's simple to change shutter speed or aperture for over- or under-exposures. The same size and classic design of the famous Pentax line, the Spotmatic also features: eye-level pentaprism finder with Fresnel lens; central microprism and positive grid focusing; instant-return mirror; focal plane shutter; speeds from 1 to 1/1000 sec., plus Bulb on single

non-rotating knob; ASA-Range from 20 to 1600; self-timer; auto-reset counter; ratchet film-advance lever cocks shutter and advances counter; FP and X flash terminals, and threaded lens mount. With 55mm f/1.8 Super-Takumar lens.

Lens has instant-open fully-automatic diaphragm, manual depth-of-field preview, 6 elements, a 43° angle of view, a minimum aperture of f/16 and uses 49mm filters.

Cat. No.

- | | |
|--|-----------------|
| 884 Honeywell Pentax Spotmatic, satin chrome finish with 55mm f/1.8 Super-Takumar lens | \$299.50 |
| 534 Battery for Spotmatic and SP500 exposure meter | \$ 1.00 |

For ordering optional focusing screens, see page 34.

SPECIAL HONEYWELL PENTAX SP 500

The SP 500 offers the same precise craftsmanship that has made the Pentax Spotmatic a classic, at a lower price. The top shutter speed is 1/500 sec., and the SP 500 does not have a self-timer. All other features that have made the Pentax cameras the world's Number 1 selling SLR are incorporated in the SP 500, including the extremely accurate behind-the-lens exposure metering system. The SP 500 is equipped with a 55mm f/2.0 Super-Takumar lens. This satin chrome camera has the same trim styling and precise handling of the Pentax line that unmistakably identify it as a fine camera. The SP 500 is an exceptional value at only \$239.50.

Cat. No.

- | | |
|--|-----------------|
| 7131 Special Honeywell Pentax SP 500 with 55mm f/2.0 Super-Takumar lens, satin chrome finish | \$239.50 |
|--|-----------------|

For ordering optional focusing screens, see page 34.



Special Honeywell Pentax SP 500
chrome finish, Cat. No. 7131

HONEYWELL PHOTOGRAPHIC PRODUCTS

HONEYWELL PENTAX CAMERA CASES



Soft black leather case for Honeywell Pentax Spotmatics, (Type I and II) SP500, and SL.

Cat. No. 7122 \$ 22.50

Soft case for Spotmatic II Motor Drive.

Cat. No. 7029 \$ 29.50



Soft black leather case for Honeywell Pentax H1, H3, H1a, H3v.

Cat. No. 751 \$ 16.50



Black hard leather case for Honeywell Pentax H1, H3, H1a, H3v.

Cat. No. 740 \$ 20.00

Black hard leather case for Honeywell Pentax Spotmatics, (Type I and II) SP500, and SL.

Cat. No. 7134 \$ 22.50



Soft leather case for use with H1, H3, H1a, H3v with clip-on meter attached.

Cat. No. 753 \$ 17.50

Top half of above case for converting the standard case (Cat. No. 751) to accept the Pentax with clip-on meter attached.

Cat. No. 7093 \$ 12.00

Top half of soft leather cases (Cat. Nos. 753, 887, 751) for Takumar Telephoto lenses through 150mm.

Cat. No. 7030 \$ 16.50

~~\$ 16.50~~
\$ 19.00

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.

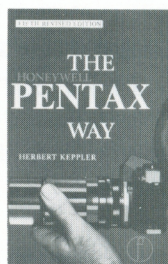
"Pentax and Single Lens Photography," by Robert Fuhring, 123 pages, illustrated. Amphoto, N.Y.

Cat. No. 749 \$3.95



"The Pentax Way," by Herbert Keppler, 352 pages, illustrated. Amphoto, N.Y.

Cat. No. 7000 \$12.95



"Welcome to the Exciting World of Systems Photography," describes the complete Honeywell Pentax System. Illustrated.

Cat. No. 818 \$.50



EXPOSURE METERS

HONEYWELL PENTAX 1°/21° METER

Selective exposure photography . . . the most advanced concept in reflected light meters. The 1°/21° Meter utilizes an optical reflex system which gives a 21° angle of view on the ground glass screen. In the center of this viewing screen is a 1° circle which represents the angle covered by the meter's CdS sensing element. For this reason it is extremely selective, permitting precise exposure readings at longer distances, and gives greater control over exposure problems. Light intensity is read directly from engraved scales through the viewing lens, and exposure is calculated easily by turning movable scales on the side of the meter. Reads light in high range when lens cap is removed and low light by depressing a button. When reading scale in low light situations, button on side of handle illuminates viewing screen when depressed. Weight 18 oz.; single-lens-reflect viewing utilizing the same pentaprism as Pentax cameras for upright, laterally correct images; adjustable eyepiece; light level range 3-18; ASA range from 6-6400 (DIN-9-39); shutter speed range from 4 minutes - 1/4000 secs.; battery check, and full-year operation on one 1.3v Mallory RM640 or Eveready E640 and one 9v Mallory or Eveready 216 dry cell. IRE (Institute of Radio Engineers) scale provided. This is generally used by lighting engineers in the broadcast television industry. Lens barrel threaded to accept 46mm accessories. Use adapter & ring (Cat. No. 820) for 49mm lens hood. Complete with batteries and zippered leather carrying case, and "Guide to Good Exposure" instruction book, 101 pages.



- | | |
|--|-----------------|
| Cat. No. 7098 | \$179.50 |
| Cat. No. 7001 Extra copy, "Guide to Good Exposure" | \$ 2.00 |
| Cat. No. 7099 Replacement Case for 1°/21° Meter | \$ 10.50 |

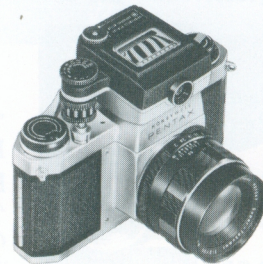
HONEYWELL PENTAX CLIP-ON METERS

These two meters attach in seconds to the pentaprism housing of the Honeywell Pentax cameras. These highly-sensitive meters have an ASA range of 6 to 1600 and couple directly to the slotted shutter speed dial. The Cadmium Sulfide sensor measures an angle of 30° for accurate reflected light readings.

Operates one full year on one 1.35v Mallory PX13B or PB13 battery and has convenient battery check. Complete with battery and leather carrying case.



- | | |
|--|----------------|
| Cat. No. 895 Clip-on Meter for "H" cameras | \$29.50 |
| Cat. No. 7135 Clip-on Meter for "SL" cameras | \$34.50 |

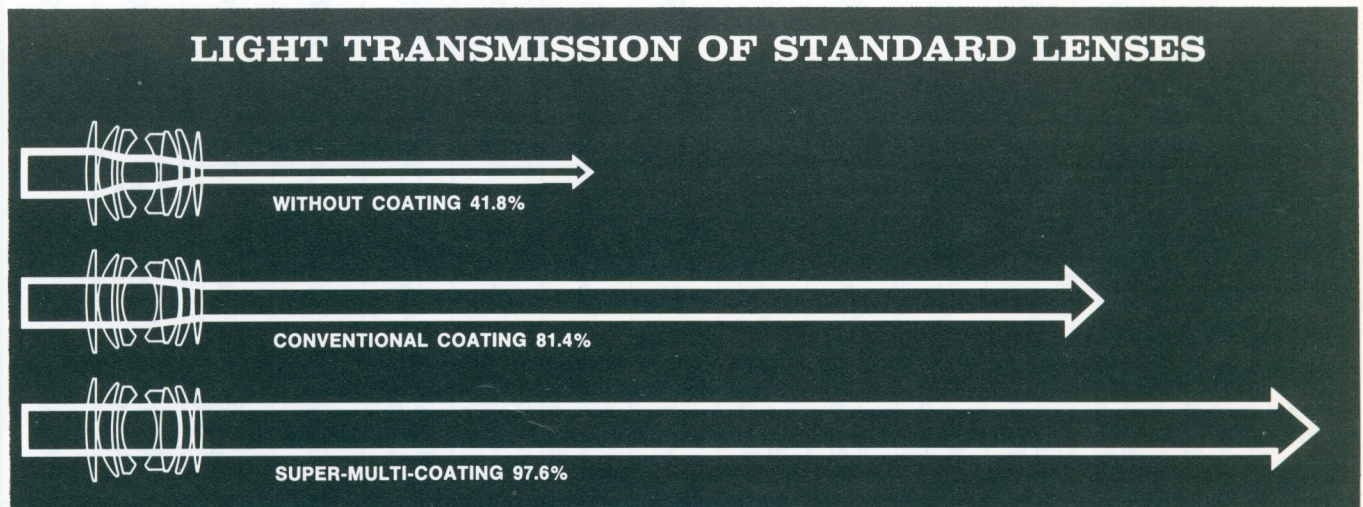


HONEYWELL PHOTOGRAPHIC PRODUCTS

TAKUMAR LENSES for the Honeywell Pentax

Super-Multi-Coated Takumar lenses for Honeywell Pentax cameras are ranked among the very finest lenses produced in the world today. Only the finest quality optical glass is used. This superior glass, combined with years of experience in optical design, has resulted in lenses noted for their superb resolving power and edge-to-edge sharpness even at full aperture. Each Takumar lens is painstakingly custom-coated for increased efficiency in light transmission and for reduction of internal reflections and stray light which result in flare. Every lens is also individually corrected for proper rendition of color. For this reason Super Takumar lenses receive a purple coating, amber coating or a combination of both purple and amber. Super-Multi-Coated lenses have as many as seven layers of coating on each important element. This revolutionary process dramatically reduces glare and flare which means greater contrast, much truer color and much greater detail in both highlight and shadow areas. In addition to its superior optics, the Takumar lens incorporates outstanding mechanics. Each lens barrel is precision machined for accurate positioning of elements and smooth operation. All engraved markings are highly legible and each lens is supplied with a front and rear lens cap. Most are also equipped with their own rugged leather case.

All Telephoto lenses from 85mm to 1000mm, zoom lenses and most wide angle lenses are supplied with lens hoods. Takumar lenses are subjected to rigid quality controls during manufacture and a series of exacting optical tests before they leave the factory. Further quality control checks are done by Honeywell in Denver before Pentax lenses are released to dealers for sale. Each lens is guaranteed for one full year against defects in manufacture.



Super-Multi-Coated Takumar lenses cut surface reflection to a phenomenal low of 0.2%. Harmful ultraviolet rays are reflected; ghost images are eliminated or drastically reduced. And super-multi-coating is a harder, tougher coating for greater resistance to scratching and abrasion.

A WORD ABOUT INTERCHANGEABILITY

All Super-Multi-Coated Takumars in the Pentax System are completely interchangeable. Thread mounting assures positive and precise coupling of camera with lens. Takumar lenses may be used on other cameras by selecting appropriate adapters.

TYPES OF DIAPHRAGMS IN TAKUMAR LENSES

Super-Takumar and Super-Multi-Coated Takumar lenses have fully-automatic diaphragm mechanisms. Takumar preset lenses are manually stopped down to a preset f/stop. The extra-long telephoto lenses have click stop manual f/setting operation.

HONEYWELL PHOTOGRAPHIC PRODUCTS

TAKUMAR LENS SPECIFICATION cross-reference chart

CAT. NO.	LENS	DIAPHRAGM	LENS ELEMENTS	LENS TYPE	MIN. APERTURE	MINIMUM FOCAL DIST.		ANGLE Degrees	WEIGHT		FILTER DIAMETER for Threaded Filters	LENS HOOD SIZE (In mm)	LENGTH		DIAMETER		PRICE \$
						Feet	Meters		Ozs.	Gm.			In.	mm	In.	mm	
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 1/4	31.7	2 3/5	66.2	279.50
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 3/4	44.8	2 1/3	60.0	249.50
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 4/5	46.5	2 2/5	62.0	229.50
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 7/10	42.8	2 1/4	57.1	179.50
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 1/10	53.6	2 1/5	56.0	229.50
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 1/3	34	2 1/5	56.5	119.50
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 1/10	54.5	2 3/10	59.4	169.50
7249	50mm SMCT f/1.4	Fully-Auto.	7	Normal (Spotmatic II, IIa)	f/16	1.5	0.45	46°	8.1	231	49	49 T #784	1 1/2	38.5	2 3/8	60.5	150.00
7250	55mm SMCT f/1.8	Fully-Auto.	6	Normal (Spotmatic II, IIa)	f/16	1.5	0.45	43°	7.1	202	49	49 T #784	1 1/2	38	2 3/10	57.7	110.00
736	55mm Super-Takumar f/2.0	Fully-Auto.	6	Normal (SP500)	f/16	1.5	0.45	43°	7.1	202	49	49 T #784	1 1/2	38.2	2 1/3	59	50.00
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	449.50
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 9/32	57	2 3/5	66	229.50
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 2/5	36.6	2 1/5	55.5	109.50
7265	105mm SMCT f/2.8	Fully-Auto.	5	Telephoto	f/22	4	1.2	23°	9.9	281	49	49 T *	2 1/2	64.3	2 1/4	57.2	159.50

*Lens Hood Supplied w/Lens
T Threaded
S.O. Slip-On
**When used w/Bellows II

TAKUMAR LENS SPECIFICATION
cross-reference chart

CAT. NO.	LENS	DIAPHRAGM	LENS ELEMENTS	LENS TYPE	MIN. APERTURE	MINIMUM FOCAL DIST.		ANGLE Degrees	WEIGHT		FILTER DIAMETER for Threaded Filters	LENS HOOD SIZE (In mm)	LENGTH		DIAMETER		PRICE \$
						Feet	Meters		Ozs.	Gm.			In.	mm	In.	mm	
7262	120mm SMCT f/2.8	Fully-Auto.	5	Telephoto	f/22	4	1.2	20°	11.9	340	49	^{in mm} 49	2 ⁷ / ₈	73	2 ¹ / ₄	57.6	169.50
7267	135mm SMCT f/2.5	Fully-Auto.	5	Telephoto	f/22	5	1.5	18°	15.8	448	58	58T*	3 ¹ / ₅	80	2 ¹ / ₂	65.5	199.50
7266	135mm SMCT f/3.5	Fully-Auto.	4	Telephoto	f/22	5	1.5	18°	12.4	343	49	49T*	3 ¹ / ₂	87.7	2 ¹ / ₄	57.6	169.50
7268	150mm SMCT f/4	Fully-Auto.	5	Telephoto	f/22	6	1.8	16.5°	11.4	324	49	49T*	3 ³ / ₄	94.8	2 ¹ / ₄	57.6	179.50
7269	200mm SMCT f/4.0	Fully-Auto.	5	Telephoto	f/22	8	2.5	12°	19.7	558	58	*	5 ² / ₅	137	2 ¹ / ₂	64.2	219.50
7271	300mm SMCT f/4.0	Fully-Auto.	5	Telephoto	f/22	18	5.5	8°	33.5	950	77	*	7 ¹ / ₄	186	3 ⁵ / ₁₆	85	399.50
7273	400mm SMCT f/5.6	Manual	5	Telephoto	f/45	27	7.5	6°	43	1219	77	*	10 ⁴ / ₅	276	3 ³ / ₈	85	399.50
7274	500mm SMCT f/4.5	Manual	4	Telephoto	f/45	33	10.0	5°	114	3231	49 (Rear)	*	15 ¹ / ₅	440	5	126.8	569.50
7275	1000mm SMCT, Tele f/8.0	Manual	5	Telephoto	f/45	98	30.0	2.5°	Lens 10 Lbs. Tripod 6.25 Lbs.		49 (Rear)	*	28 ¹ / ₂	724	52 ¹ / ₃₂	143.5	1295.50

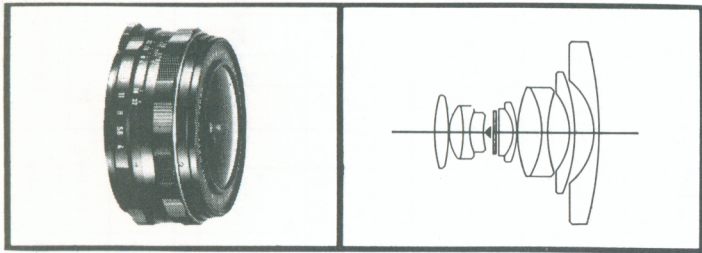
*Lens Hood Supplied w/Lens
T Threaded
S.O. Slip-On
**When used w/Bellows II

HONEYWELL PENTAX TAKUMAR LENSES

Honeywell Pentax Takumar lenses are the ultimate in optical precision and quality. They deserve the very best in care and treatment.

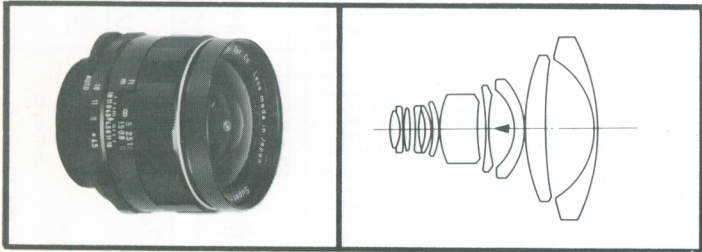
Therefore, each lens listed below is packed in a handsome, rugged, custom padded, black leather carrying case, unless otherwise noted. Each lens is also supplied with both front and rear lens caps.

Lenshoods are also included where specified.

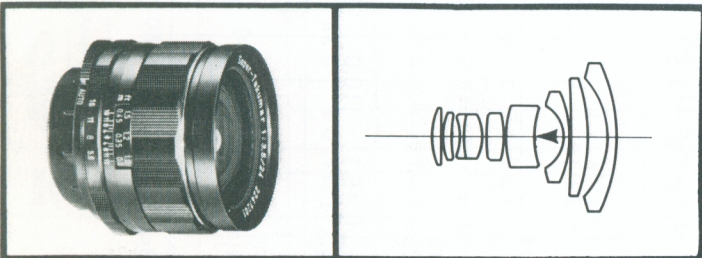


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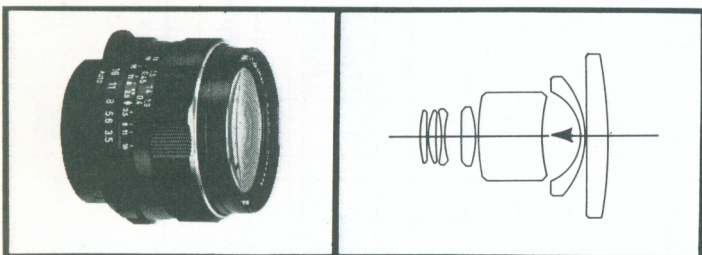
7251 17mm Super-Multi-Coated Takumar, f/4.0; Fully automatic; 11 elements; 160° angle of view; Min. aperture f/22; Weight 7.4 oz.; UV, Y2 and O2 filters built in. **\$279.50**



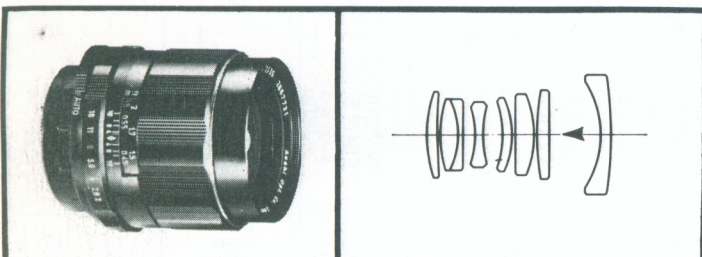
7252 20mm Super-Multi-Coated Takumar, f/4.5; Fully Automatic; 11 elements; 94° angle of view; Min. aperture f/16; Min. focus 7.8 inches; Weight 8.1 oz.; Uses 77mm filter. **Lenshood is supplied \$249.50**



7253 24mm Super-Multi-Coated Takumar, f/3.5; Fully automatic; 9 elements; 84° angle of view; Min. aperture f/16; Min. focus 10 inches; Weight 8.6 oz. Uses 58mm filter. **Lenshood is supplied \$229.50**



7254 28mm Super-Multi-Coated Takumar, f/3.5; Fully automatic; 7 elements; 75° angle of view; Min. aperture f/16; Min. focus 15 3/4 inches; Weight 7.3 oz. Uses 49mm threaded filter. **Lenshood is supplied \$179.50**



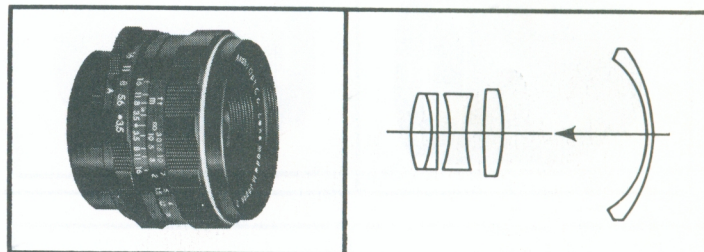
7255 35mm Super-Multi-Coated Takumar, f/2.0; Fully automatic; 8 elements; 63° angle of view; Min. aperture f/16; Min. focus 15 inches; Weight 8.5 oz. Uses 49mm filter. **Lenshood is supplied \$229.50**

HONEYWELL PHOTOGRAPHIC PRODUCTS

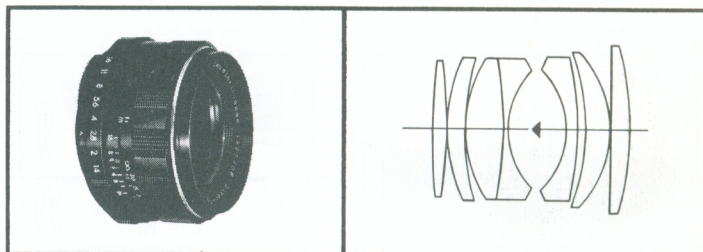
HONEYWELL PENTAX TAKUMAR LENSES

Cat. No.

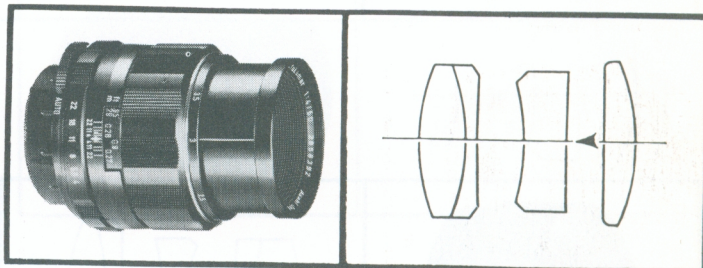
7256 35mm Super-Multi-Coated Takumar, f/3.5;
Fully automatic; 5 elements; 63° angle of view;
Min. aperture f/16; Min. focus 18 inches;
Weight 5.3 oz. Uses 49mm threaded filter and
Special 49mm lenshood **\$119.50**



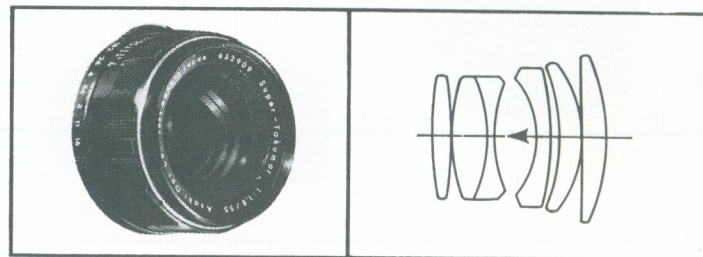
7249 50mm Super-Multi-Coated Takumar, f/1.4;
Fully automatic; 7 elements; 46° angle of view;
Min. aperture f/16; Min. focus 18 inches;
Weight 8.1 oz. Standard lens for Spotmatic II and
IIa. Uses 49mm filters, no case **\$150.00**



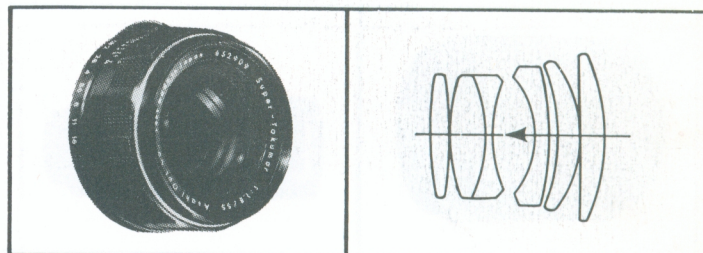
7258 50mm Super-Multi-Coated Macro-Takumar, f/4.0;
Fully automatic; 4 elements; 46° angle of view;
Min. aperture f/22; Min. focus 9.5 inches (.5 magni-
fication); Weight 8.2 oz. Uses 49mm filter.
Lenshood not required as lens is recessed
into mount. **\$169.50**



736 55mm Super-Takumar, f/2.0;
Fully automatic; 6 elements; 43° angle of view;
Min. aperture f/16; Min. focus 18 inches; Weight
7.1 oz. Uses 49mm filter and lenshood. Standard
lens for SP500. **\$ 50.00**



7250 55mm Super-Multi-Coated Takumar, f/1.8;
Fully automatic; 6 elements; 43° angle of view;
Min. aperture f/16; Min. focus 18 inches;
Weight 7.1 oz. Uses 49mm filter and lenshood.
Standard lens for Spotmatic II and IIa,
no case **\$110.00**



HONEYWELL PHOTOGRAPHIC PRODUCTS

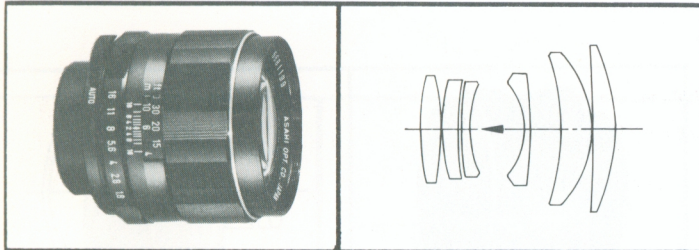
HONEYWELL PENTAX TAKUMAR LENSES

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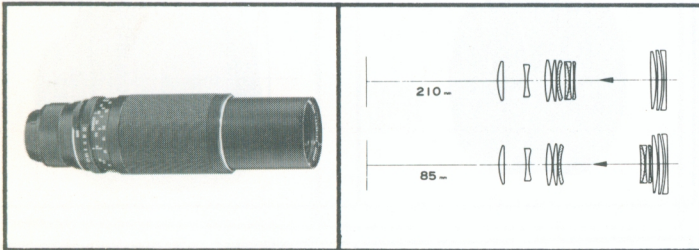
Therefore, each lens listed below is packed in a handsome, rugged, custom padded, black leather carrying case, unless otherwise noted. Each lens is also supplied with both front and rear lens caps.

Lenshoods are also included where specified.

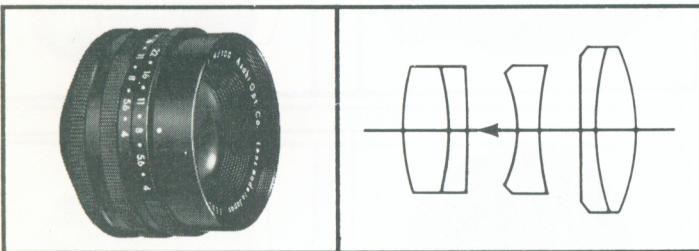
Cat. No.



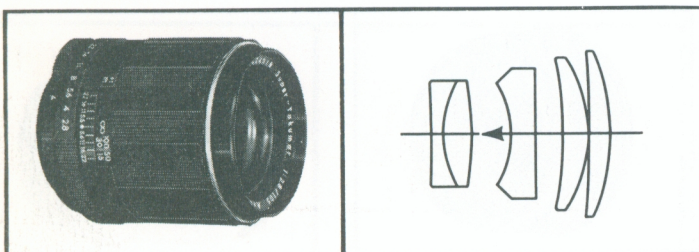
- 7248 85mm Super-Multi-Coated Takumar, f/1.8;
Fully automatic diaphragm; 28.5° angle of view;
6 elements; Min. aperture f/16; Min. focus 2.75 ft.;
Weight 12.3 oz.
Uses 58mm filter.
Lenshood is supplied. \$229.50



- 7261 85-210mm Super-Multi-Coated Zoom Takumar,
f/4.5; Fully automatic; 11 elements;
28.5°-11.5° angle of view; Min. aperture
f/22; Min. focus without closeup attachment
lens, 11.5 ft.; with closeup attachment lens,
6.2 ft. Uses 58mm filter. Weight 24.9 oz.
Lenshood, closeup attachment lens
are supplied **\$449.50**



- 7264 100mm Super-Multi-Coated Bellows-Takumar; f/4.0;
Preset; 5 elements; 24.5° angle of view; Min.
aperture f/22; Min. focus 6 inches from lens rim
when used on Pentax Bellows II; Weight 5 oz.
Uses 49mm filter.
Lenshood is supplied. \$109.50



- 7265 105mm Super-Multi-Coated Takumar, f/2.8;
Fully automatic; 5 elements; 23° angle of view;
Min. aperture f/22; Min. focus 4 ft.; Weight 9.9 oz.
Uses 49mm filter.
Lenshood is supplied. \$159.50

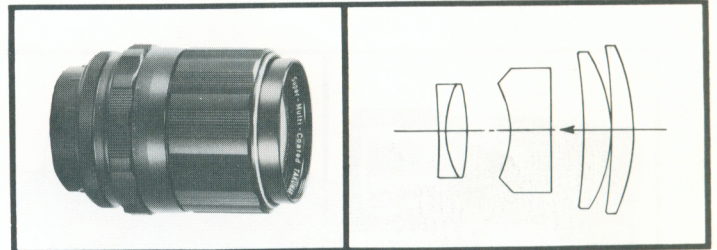
HONEYWELL PHOTOGRAPHIC PRODUCTS

HONEYWELL PENTAX TAKUMAR LENSES

Cat. No.

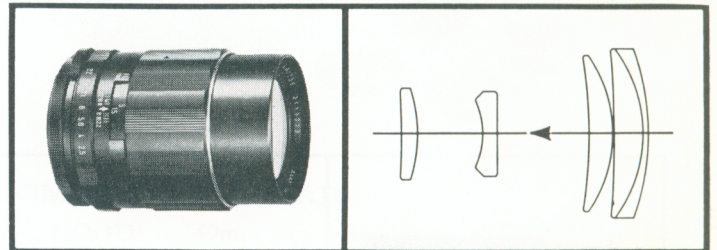
7262 120mm Super-Multi-Coated Takumar, f/2.8;
Fully automatic; 5 elements; 20° angle of view;
Min. aperture f/22; Min. focus 4 ft.; Weight 11.9 oz.
Uses 49mm filter.

Lenshood is supplied. **\$169.50**



7267 135mm Super-Multi-Coated Takumar, f/2.5;
Fully automatic; 5 elements; 18° angle of view;
Min. aperture f/22; Min. focus 5 ft.; Weight 15.8 oz.
Uses 58mm filter.

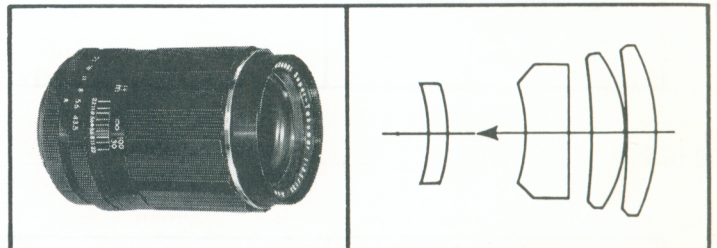
Lenshood is supplied. **\$199.50**



7266 135mm Super-Multi-Coated Takumar, f/3.5;
Fully automatic; 4 elements; 18° angle of view;
Min. aperture f/22; Min. focus 5 ft.; Weight 12.4 oz.
Uses 49mm filter.

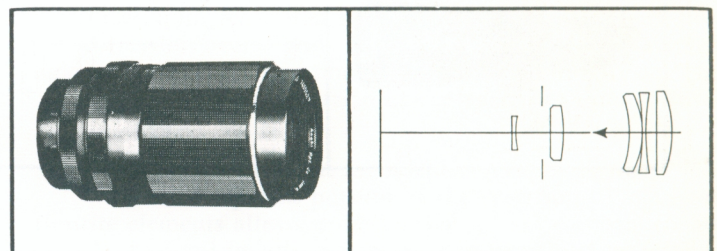
Lenshood is supplied. ~~\$169.50~~

#179.50



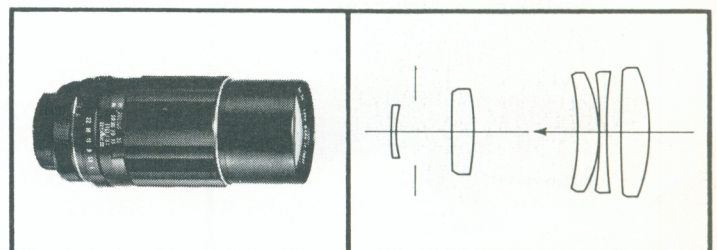
7268 150mm Super-Multi-Coated Takumar, f/4.0;
Fully automatic; 5 elements; 16.5° angle of view;
Min. aperture f/22; Min. focus 6 ft.; Weight 11.4 oz.
Uses 49mm filter.

Lenshood is supplied. **\$179.50**



7269 200mm Super-Multi-Coated Takumar, f/4.0;
Fully automatic; 5 elements; 12.5° angle of view;
Min. aperture f/22; Min. focus 8 ft.; Weight 19.7 oz.
Uses 58mm filter.

Lenshood is supplied. **\$219.50**



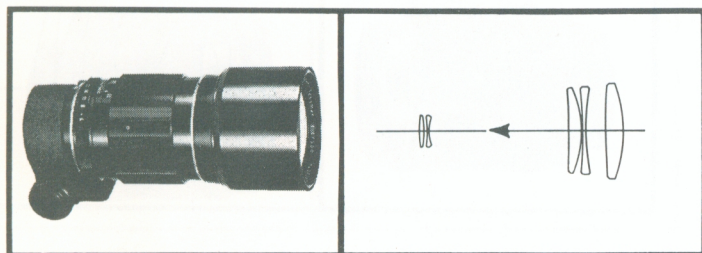
HONEYWELL PHOTOGRAPHIC PRODUCTS

HONEYWELL PENTAX TAKUMAR LENSES

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Therefore, each lens listed below is packed in a handsome, rugged, custom padded, black leather carrying case, unless otherwise noted. Each lens is also supplied with both front and rear lens caps.

Lenshoods are also included where specified.

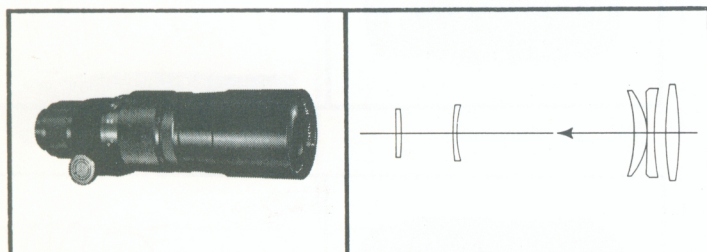


Cat. No.

7271 300mm Super-Multi-Coated Takumar, f/4.0;
Fully automatic; 5 elements; 8° angle of view;
Min. aperture f/22; Min. focus 18 ft.;

Weight 33.5 oz.; uses 77mm filter.

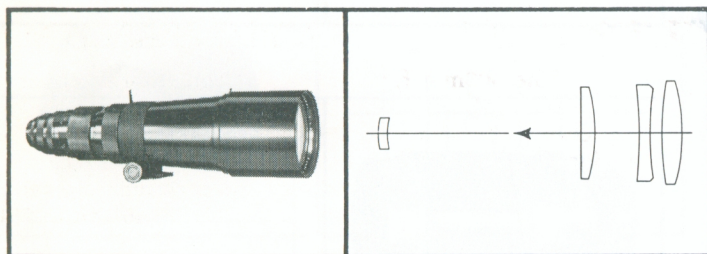
Lenshood is supplied. \$399.50



7273 400mm Super-Multi-Coated Takumar, f/5.6;
Manual diaphragm; 5 elements; 6° angle of view;
Min. aperture f/45; Min. focus 27 ft.;

Weight 43 ozs.; uses 77mm filter.

Lenshood is supplied. \$399.50

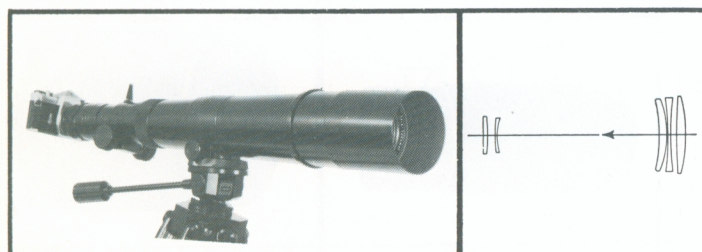


7274 500mm Super-Multi-Coated Takumar, f/4.5;
Manual diaphragm; 4 elements;
5° angle of view; Min. aperture f/45;

Min. focus 33 ft.; Rack focusing with knob;
Weight 7 lbs., 2 ozs.

Uses 49mm filter at rear.

Lenshood is supplied. \$569.50



7275 1000mm Super-Multi-Coated Takumar, f/8.0;
Manual diaphragm; 5 elements; 2.5° angle of view;
Min. aperture f/45; Min. focus 98 ft.;

Rack focusing with knob. Lens weight 10 lbs.
Supplied with rigid wooden tripod.

Uses 49mm filter at rear.

**Metal case (instead of leather)
and lenshood are supplied.** \$1295.50

HONEYWELL PHOTOGRAPHIC PRODUCTS

HONEYWELL PENTAX TAKUMAR Achromatic Lenses

Two entirely new 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. Since these filters automatically shift the focal plane the correct amount, no manual focus shift is necessary. As the filter is screwed into the front of the lens, the front element is pushed toward the back of the lens, the proper distance to shift the focus. Includes case.



SPECIFICATIONS FOR 85MM ULTRA-ACHROMATIC TAKUMAR

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

Cat. No. 7088*

\$1250.00

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 FOR 300MM ULTRA-ACHROMATIC TAKUMAR

MAXIMUM APERTURE:	f/5.6	FILTER SIZE:	58mm Screw-In
MINIMUM APERTURE:	f/22	LENS HOOD:	Pull-Out (attached to lens)
LENS ELEMENTS:	5 Groups	WEIGHT:	29 oz.
DIAPHRAGM:	Fully Automatic	LENGTH:	225.9mm
MINIMUM FOCUS:	16 Feet	WIDTH:	67.9mm
ANGLE OF VIEW:	8°	ACCESSORIES:	IR Filters — R62, R66, R68

Cat. No. 7089*

\$1450.00

*Special Order. Allow 45 days for delivery.

HONEYWELL PHOTOGRAPHIC PRODUCTS

HONEYWELL PENTAX FILTERS

To determine the proper size filter for a particular lens, refer to the lens specifications on Pages 10 and 11. This information may

also be found with the lens descriptions, Pages 12 through 16. The use and application of these filters will be found on Pg. 19.

POPULAR FILTERS

Cat. Nos. & Sizes Type	46 mm	49 mm	58 mm	67 mm	77 mm
Ultra Violet (U.V.)		764	776	815	885
Medium Yellow (Y-2)		765	777	816	886
Medium Orange (O-2)		766	778	817	896
Skylight	843	851	836	859	897
PRICE	\$8.50	\$10.50	\$12.50	\$28.50	\$30.50

ADDITIONAL FILTERS

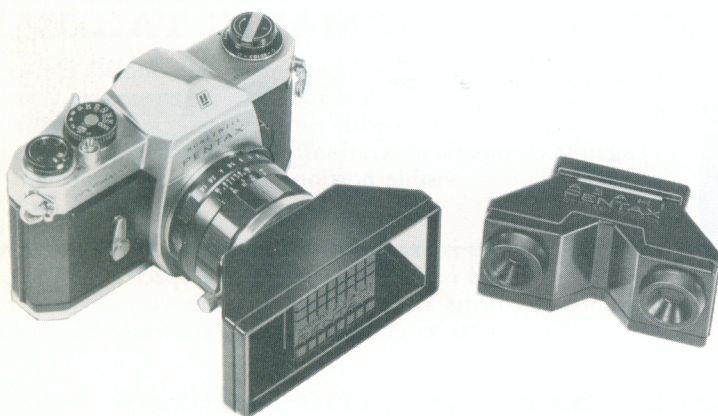
Cat. No.	49mm Size Only	Price
7106	Polarizer	\$ 24.50
7108	Ghostless (U.V.)	11.50
848	Light Yellow (Y-1)	10.50
849	Yellow-Green (Y-G)	10.50
839	Medium Red (R-2)	10.50
838	Cloudy (81-A)	10.50
853	Morning & Evening (82-A)	10.50
837	Flash (80-C)	10.50
855	Flood (80-B)	10.50
7107	Type A Conversion	10.50

HONEYWELL PENTAX LENS HOODS

Cat. No.	Size	Fits Lenses	Type	Fitting	Price
784	49mm	879-737-736-826	Normal	Screw-In	\$7.95
830	49mm	742	Wide Angle	Screw-In	7.95

All current lens hoods supplied with lenses can be ordered as parts from Honeywell's Service Department.

HONEYWELL PENTAX STEREO ADAPTER



The stereo adapter fits on the front of a normal f/1.4, f/1.8, f/2 lens and will split the 24x36mm format 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 two images can be lined up in the horizontal plane by the use of a subject which is on the horizontal format. The viewer has an adjustable ocular.

Cat. No. 7097	Stereo Adapter and Viewer	\$33.50
Cat. No. 7079	Viewer only	\$17.50

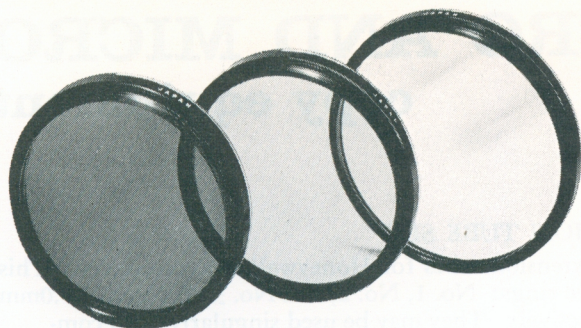
CORRECTION LENSES

Lenses are inserted into an eyepiece for eye-glass wearers. Eyepiece included.

Cat. No.	Correction Lens	Cat. No.	Correction Lens
7150.....	-0.5	7156.....	-3.5
7151.....	-1.0	7157.....	-4.0
7152.....	-1.5	7158.....	-5.0
7153.....	-2.0	7159.....	+0.5
7154.....	-2.5	7160.....	+1.0
7155.....	-3.0	7161.....	+1.5
		7162.....	+2.0
		7163.....	+2.5
..... \$ 5.95			



HONEYWELL PHOTOGRAPHIC PRODUCTS



HONEYWELL PENTAX FILTER APPLICATIONS

FILTER		APPLICATION
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 tone 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, to give proper color tonal correction. 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

MACRO AND MICRO copy equipment

Cat. No.

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 of 9.5mm, 19.0mm and 28.5mm respectively. They may be used singularly or in combination as desired. When all three are used simultaneously with the 55mm Super-Multi-Coated Takumar, the subject is enlarged on film to a magnification of 1.17 life size. \$ 24.50



AUTO EXTENSION TUBE SET

7105 FOCUSING EXTENSION TUBE

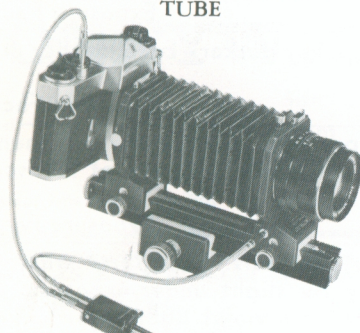
Provides variable extension from 16.8mm to 30.6mm. When used with a standard 55mm lens, it will permit magnifications from .3X to .71X \$ 32.50



FOCUSING EXTENSION
TUBE

786 BELLOWS UNIT I

Extremely flexible for ultra-close-up photography, the Bellows Unit I permits use of the camera's own lens. Special precision-calibrated gear shaft for reading continuous magnification from 0.62 to 2.45 with the standard 55mm Takumar lens. \$ 32.50



AUTO BELLOWS UNIT

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 \$129.50

7090 SLIDE COPIER

Precision, finely made Slide Copier attaches to the front of the Auto Bellows for quick, accurate slide duplication and partial slide magnification \$ 38.00

755 REVERSE ADAPTER

Allows standard 50mm or 55mm lenses to be used on Bellows I or Bellows II or extension tubes in reverse position for better macro results \$ 3.25

7101 DELUXE COPY STAND II

Quickly and accurately aligns any Pentax camera for copying documents, specimens, artwork, other items. \$114.50



DELUXE COPY STAND

7091 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. \$ 27.50

HONEYWELL PHOTOGRAPHIC PRODUCTS

MACRO AND MICRO copy equipment

Cat. No.

717 PENTAX COIPOD

Lightweight, but extremely rigid and sturdy. This portable copying stand fits all models of the Pentax and can be used anywhere for copying documents, artwork, stamps, etc. Consists of a lens board complete with adapter ring for 49mm lenses, 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. **\$27.50**



COIPOD

820 COIPOD ADAPTER-RING

This adapter permits the use of 49mm filters and lens hoods on 46mm Takumar lenses. **\$ 1.95**



CLIP-ON MAGNIFIER

798 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. **\$13.50**

821 CLOSE-UP LENS

Ground and polished to Takumar lens standards and has screw-in mount for lenses of 49mm thread. Provides for subject field size of 2³/₄x4¹/₈ to 6¹/₂x9³/₄ inches with 55mm Super-Multi-Coated Takumar lenses. Steps down to 46mm thread with Cat. No. 820 Copipod Adapter Ring. Magnification of 0.32 to 0.15 at subject to film plane of 11 to 18¹/₂ inches with 55mm lens. **\$12.50**

CLOSE-UP LENS



788 RIGHT ANGLE FINDER

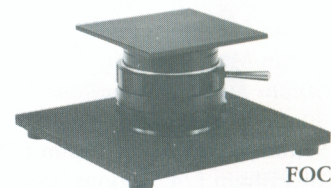
Attaches quickly and easily to the viewfinder of all models of Honeywell Pentax cameras. Designed for added convenience in low angle and close-up photography, photomicrography, etc. **\$32.50**



RIGHT ANGLE FINDER

Part No. P36710001 MACRO FOCUSING STAGE

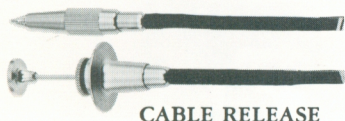
Simplifies alignment and focusing at extreme magnifications. After the camera is brought into rough focus, the fine focusing is accomplished by moving the object up and down. The operation of the stage is extremely smooth. **\$22.50**



MACRO FOCUSING STAGE

HONEYWELL PHOTOGRAPHIC PRODUCTS

HONEYWELL PENTAX 35mm system accessories



CABLE RELEASE



RIGHT ANGLE
MIRROR ADAPTER



DELUXE
ACCESSORY
CLIP



LEATHER
CARRYING
CASE



C MOUNT

Cat. No.

789	Cable Release. 10" with rotating thread mount and locking screw for time exposure.	\$ 2.50
7104	Deluxe Cable Release, 12" with rotating thread mount and spring-loaded locking collar.	\$ 4.50
790	Leica Adapter "A", permits use of Leica screw-mount lenses on Pentax camera body for close-up photography only.	\$ 7.50
791	Leica Adapter "B", for use with Pentax-Takumar lenses on Leica screw-mount camera bodies. For close-up photography only.	\$ 7.50
7092	Deluxe Accessory Clip, locks into grooved slot of viewfinder for sturdy support of shoe-mounted accessories.	\$ 5.50
781	Rear Lens Cap, for protection of rear optic of Takumar lenses when not in use. (For all Takumar lenses)	\$ 2.00
757	Front Lens Cap for lens Cat. Nos. 742, 825, 879, 737, 736, 826, 738, 743, 893, 719, 7081.	\$ 2.00
794	Cap for Camera Body, for protection of Pentax camera body when lens is removed.	\$ 2.00
7102	10 "D"-Rings for attaching camera straps to camera lugs. (15¢ each)	\$ 1.50
795	Film Cassette for bulk loading	\$ 6.00
7020	Leather Carrying Case, for Pentax camera, lenses and accessories	\$ 39.50
7096	Right-Angle Mirror Adapter, for taking candid pictures of subjects at right angles from lens axis. Fits telephoto lenses having 58mm filter diameters	\$102.50
7110	"C" 500mm and 100mm Takumar lens adapter to fit Canon	\$ 19.50
7111	"M" 500mm and 1000mm Takumar lens adapter to fit Minolta	\$ 19.50
7112	"K" 500mm and 1000mm Takumar lens adapter to fit Konica	\$ 19.50
7113	Shoulder Pad (10 in a box) (\$1.00 each)	\$ 10.00
7117	Rubber Eye Cup	\$ 1.50
	Part No. P3790210001 "C" Mount for adapting Super-Multi-Coated Takumar lenses to 16mm movie cameras	\$ 28.00

REPLACEMENT CASES FOR TAKUMAR LENSES

Genuine black leather, custom padded for size and configuration of lens, chrome plated snap lock. 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	\$ 8.50
7032	Case for 18mm f/11 lens	4.50
7115	Case for 20mm f/4.5 lens	8.50
7056	Case for 24mm f/3.5 lens	8.50
7033	Case for 28mm f/3.5 lens (old)	6.50
7053	Case for 28mm f/3.5 lens (new)	8.50
7034	Case for 35mm f/3.5 lens	6.50
7035	Case for 35mm f/2.0 lens (old)	8.50
7057	Case for 35mm f/2.0 lens (new)	8.50
7036	Case for 50mm Macro lens	6.50
7058	Case for 50mm Super-Macro lens	8.50
7037	Case for 50mm f/1.4 lens	8.50
7038	Case for 55mm f/1.8 lens or 55mm f/2.0 lens	8.50
7039	Case for 70-150mm f/4.5 Zoom lens	19.50
7040	Case for 85mm f/1.9 lens	8.50
7060	Case for 85-210mm f/4.5 Zoom lens	22.00

Cat. No.

7041	Case for 100mm f/4.0 Bellows	\$ 8.50
7042	Case for 105mm f/2.8 lens	8.50
7054	Case for 135mm f/2.5 lens	9.50
7043	Case for 135mm f/3.5 lens	9.50
7044	Case for 150mm f/4.0 lens	9.50
7045	Case for 200mm f/5.6 lens	9.50
7046	Case for 200mm f/3.5 lens	14.00
7047	Case for 200mm f/4.0 lens	14.00
7055	Case for 300mm f/4.0 Super lens	19.50
7048	Case for 300mm f/6.3 lens	14.00
7049	Case for 300mm f/4.0 lens (man.)	22.00
7050	Case for 400mm f/5.6 lens	22.00
7051	Case for 500mm f/4.5 lens	31.50
7099	Case for 1°/21° Meter	10.50

HONEYWELL PHOTOGRAPHIC PRODUCTS

HONEYWELL PENTAX

spotmatic motor drive



SPOTMATIC II SET MOTOR DRIVE

Motorized capabilities are combined with the classic Pentax feel and dependability in the Honeywell Pentax Spotmatic Motor Drive. Unusually trim and compact, this flexible system increases the user's photographic capabilities. Since the camera is always cocked and advanced it helps capture those decisive moments, fleeting expressions and unexpected events that make outstanding pictures.

When set for consecutive operation, three frames per second are exposed with a choice of shutter speeds from 1/60 to 1/1000 second. Fast action is caught in revealing sequence photographs.

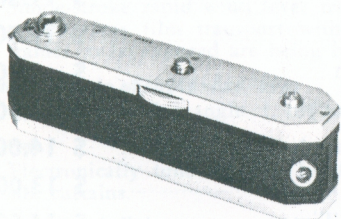
Single exposures can also be made when wanted. They are taken as fast as the trigger is pulled at any shutter speed from 1 to 1/1000 second or bulb. For use as a regular Spotmatic II, the motorized base is easily removed. Extra cameras purchased separately are guaranteed interchangeable with Pentax Motor drives.

Includes charger and NiCad battery in the cordless grip for power supply. Either 20 or 36 exposure rolls are used with the Set 36. Up to 250 exposures without reloading are possible with the Bulk Film Back.

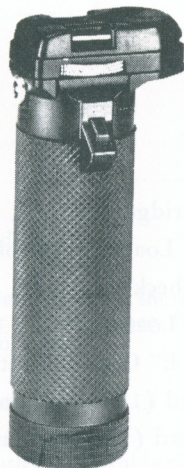
The optional remote control unit, interval timers and a wide range of power sources add to the system's flexibility.



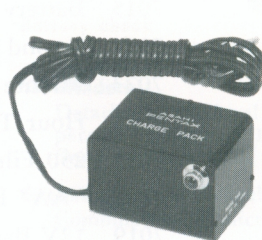
PENTAX MOTOR DRIVE SPOTMATIC II WITH 50MM F/1.4 SUPER-MULTI-COATED TAKUMAR



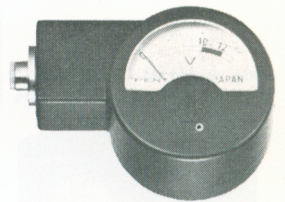
PENTAX MOTOR DRIVE UNIT



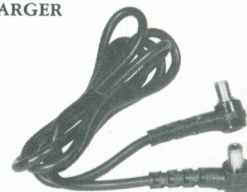
CORDLESS BATTERY GRIP



NICAD BATTERY AND CHARGER



BATTERY CHECKER



3' REMOTE CORD

- Cat. No. 7073 Honeywell Pentax Spotmatic II Set 36 (complete as shown above) **\$819.50**
 Cat. No. 7072 Pentax Motor Drive Spotmatic II Camera with 50mm f/1.4 Super-Multi-Coated Takumar **\$429.50**

For ordering optional focusing screens, see page 34.

HONEYWELL PHOTOGRAPHIC PRODUCTS

HONEYWELL PENTAX

spotmatic motor drive



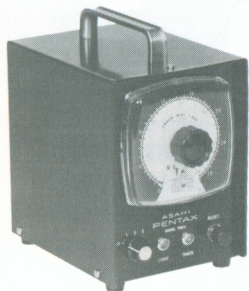
PENTAX
SPOTMATIC II
MOTOR DRIVE
WITH BULK
FILM PACK



250 EXPOSURE
CARTRIDGE LOADER



SOFT
CASE



MINUTE
TIMER



"E" CLIP

Specifications

Lens — 50mm Super-Multi-Coated Takumar f/1.4

Dimensions — 5 $\frac{5}{8}$ " x 10 $\frac{1}{2}$ " x 3 $\frac{5}{8}$ " (Set 36)

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

Weight — 2 lbs., 10 oz., with NiCad Battery (Set 36)

Exposure Modes — manual-single; motorized-single; motorized-consecutive at 3 frames per second

Power Supply — NiCad battery (3500 exposures at normal taking speed between charges)

Accessories

Cat. No.	Item	Price
7012	Pentax Motor Drive Unit only	\$320.00
7013	Pistol Grip	\$ 45.00
7071	Motor Drive Unit, Pistol Grip, NiCad Batteries and Charger	\$410.00
7028	Soft Case for Spotmatic Motor Drive	\$ 29.50
7029	Soft Case for Spotmatic II Motor Drive	\$ 29.50
7016	Bulk Film Back (For up to 250 exposures)	\$259.50
7064	Motor Drive Counter Cord	\$ 6.00
7014	NiCad Battery	\$ 28.50
7024	AC Power Pack	\$175.00
7026	Relay Pack	\$ 31.50
7015	Battery Charger	\$ 28.00
7021	Second Timer	\$516.50
7023	Minute Timer	\$516.50
7025	Hour Timer	\$516.50
7017	250 Film Cartridge	\$ 19.50
7018	"AA" Battery Loader (Accepts 8 Penlight Batteries)	\$ 28.00
7019	12V Battery Checker	\$ 11.50
7022	250 Cartridge Loader	\$ 79.50
7061	Motor Drive "E" Clip Bracket for Flash	\$ 8.50
7062	3' Remote Cord (12VDC source to motor)	\$ 6.50
7063	33' Remote Cord (12VDC source to motor)	\$ 14.00
7066	AC Cord	\$ 13.00
7067	6 Pin Remote Cord from Power Pack to Timer	\$ 14.50

HONEYWELL PENTAX 6x7 Ideal-Format SLR Camera System



The new Honeywell Pentax 6x7 is a complete system of large ideal-format SLR photography. Professional photographers have looked forward to a camera, larger in format than the 35mm, but with the same performance and function as the most advanced 35mm SLR. The 6x7 format is more versatile and more pleasing for most work — composing is done with the camera, not by cropping when the picture is printed.

The 6x7 has a complete range of interchangeable lenses, from 35mm fish-eye to a 1000mm super-telephoto, identified as "Takumar/6x7" and "Super-Takumar/6x7" to distinguish them from lenses for the 35mm Pentax Cameras.

The 6x7 lenses use a double bayonet system to securely attach them to the camera.

A complete line of accessories for close-up and macrophotography is also available for the 6x7.

More than 50 years of manufacturing expertise in the camera and lens field are incorporated in the Pentax 6x7, and this knowledge of engineering design and craftsmanship are evident in this fine camera system.

Cat. No.	Basic 6x7 Set	
7201	6x7 Body	\$499.50
7511	Folding Hood	49.50
7223	75mm f/4.5 Super-Multi-Coated Takumar	269.50
Total	\$818.50

For ordering optional focusing screens, see page 34.

Cat. No.	Standard 6x7 Set	
7201	6x7 Body	\$499.50
7210	Pentaprism	170.00
7226	105mm f/2.4 Super-Multi-Coated Takumar	330.00
Total	\$999.50

SPECIFICATIONS

Type

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

Film size

120 roll film (10 exposures)
220 roll film (21 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° pre-advancing angle + 180° advancing angle.

Shutter

Electronically time-selecting 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 1/2 1/4 1/8 1/15 1/30 1/60 1/125 1/250 1/500
1/1000 sec. and X.

Electronic flash synchronization

1/30 sec.

Power source for electronic shutter

6V silver battery (Eveready No. 544).

Battery check

Push button + pilot lamp.

Viewfinders

Detachable eye-level and waist-level viewfinders. Ground glass permits viewing of 100% film image; eye-level pentaprism viewfinders have a 10% safety factor.

Ground glass and Fresnel lens

Combination of microprism center and fine ground glass.

Instant return mirror

Swing-back and -up type instant return mirror.

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.

HONEYWELL PHOTOGRAPHIC PRODUCTS

HONEYWELL PENTAX

6 x 7 SLR Camera system accessories



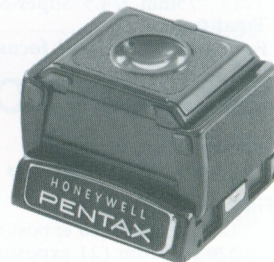
CAT. NO. 7506 HAND GRIP
AND QUICK FOCUS



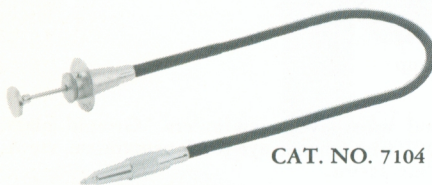
CAT. NO. 7512 RIGID HOOD



CAT. NO. 7505 QUICK FOCUS DEVICE



CAT. NO. 7511 FOLDING HOOD



CAT. NO. 7104 CABLE RELEASE

HONEYWELL PENTAX 6x7

Cat. No.

7201	6x7 Camera Body	\$499.50
7511	Folding Hood	\$ 49.50
7512	Rigid Magnifying Hood	\$ 67.50
7210	6x7 Penta Prism	\$170.00
7570	6x7 Carrying Case	\$ 39.50
502	6 Volt Silver Oxide Battery (PX28/E544)	\$ 2.50

6x7 ACCESSORIES

Cat. No.

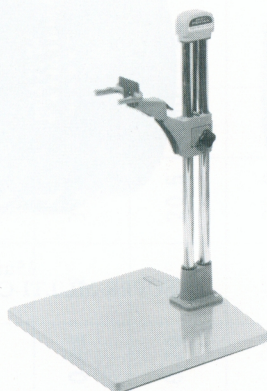
7505	Quick Focus Device	\$ 10.50
7506	6 x 7 Hand Grip	\$ 49.50
7503	Adapter to fit 500mm SMCT lens, Cat. No. 7274, to 6 x 7	\$ 89.50
7509	Rubber Eye Cup	\$ 2.50
7510	2x Magnifier for Prism	\$ 27.50
7104	Cable Release	\$ 3.95
7524	Remote Battery Cord	\$ 14.50
7525	Battery Cord Plate	\$ 2.50
7550	Body Cap (Lens)	\$ 3.50
7558	Body Cap (View Finder)	\$ 2.50
7555	Rear Lens Cap (Outer)	\$ 3.50
7556	Rear Lens Cap (Inner)	\$ 3.50
7559	Prism Cap	\$ 2.50
7557	Neck Strap	\$ 2.50
7551	67mm Lens Cap	\$ 3.50

HONEYWELL PHOTOGRAPHIC PRODUCTS

HONEYWELL PENTAX 6 x 7 SLR Camera system accessories



CAT. NO. 7413 POLARIZER



CAT. NO. 7413 COPY STAND



CAT. NO. 7500 AUTO EXTENSION TUBES ON 6x7

6x7 MACRO & COPY EQUIPMENT

Cat. No.	
7500	Auto. Ext. Tubes (for 35mm to 300mm lenses) \$ 79.50
7504	Ext. Tubes (for 400mm to 1000mm lenses) \$ 45.00
7507	Auto Bellows \$229.50
*7508	Slide Copier *
7513	Copy Stand \$400.00

6x7 PRESCRIPTION EYEPIECES

Cat. No.	
7517	-5 Diopter \$ 3.50
7518	-4 Diopter \$ 3.50
7519	-3 Diopter \$ 3.50
7520	-2 Diopter \$ 3.50
7521	-1 Diopter \$ 3.50
7522	+1 Diopter \$ 3.50
7523	+2 Diopter \$ 3.50

6x7 FILTERS

Cat. No.	
7400	67mm Skylight \$ 25.50
7401	67mm UV \$ 25.50
7403	67mm Med. Yellow \$ 25.50
7404	Med. Orange \$ 25.50
7405	67mm Yellow Green \$ 25.50
7406	67mm Med Red \$ 25.50
7407	67mm Cloudy \$ 25.50
7408	67mm Morning/Evening \$ 25.50
7413	67mm Polarizer \$ 44.50
7430	77mm Skylight \$ 27.50
7431	77mm UV \$ 27.50
7432	77mm Medium Yellow \$ 27.50
7433	77mm Medium Orange \$ 27.50
7450	82mm Skylight \$ 31.50
7451	82mm UV \$ 31.50
7452	82mm Medium Yellow \$ 31.50
7453	82mm Medium Orange \$ 31.50
7470	100mm Skylight \$ 36.50
7471	100mm UV \$ 36.50
7472	100mm Medium Yellow \$ 36.50
7473	100mm Medium Orange \$ 36.50

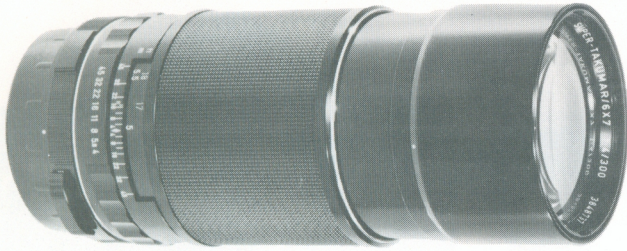
6x7 FILTER FRAMES

7545	67mm Gelatin Filter Frame \$ 29.50
7546	82mm Gelatin Filter Frame \$ 29.50
7547	100mm Gelatin Filter Frame \$ 29.50

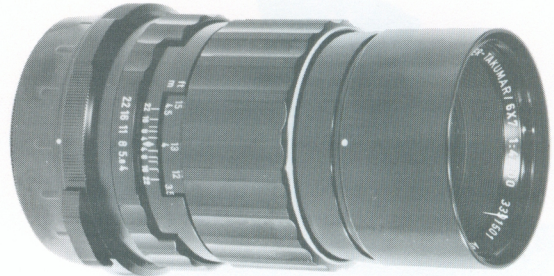
*Price and availability to be announced.

HONEYWELL PENTAX

6x7 SLR Camera System Lenses



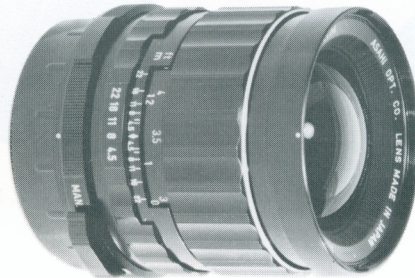
300mm f/4.0
SUPER-MULTI-COATED TAKUMAR



200mm f/4.0
SUPER-MULTI-COATED TAKUMAR



150mm f/2.8
SUPER-MULTI-COATED TAKUMAR



75mm f/4.5
SUPER-MULTI-COATED TAKUMAR



35mm f/4.5
SUPER-MULTI-COATED TAKUMAR

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

Cat. No.

7220	35mm f/4.5 Super-Multi-Coated Takumar ..	\$699.50
	(Full Frame Fish-Eye)	
7222	55mm f/3.5 Super-Multi-Coated Takumar ..	\$499.50
7223	75mm f/4.5 Super-Multi-Coated Takumar ..	\$269.50
7224	90mm f/2.8 Super-Multi-Coated Takumar with leaf shutter	*
7226	105mm f/2.4 Super-Multi-Coated Takumar (Normal Lens for 6x7 Format) ..	\$330.00
7227	135mm f/4.0 Macro Super-Multi-Coated Takumar	\$349.50
7228	150mm f/2.8 Super-Multi-Coated Takumar	\$319.50
7229	200mm f/4.0 Super-Multi-Coated Takumar	\$349.50
7230	300mm f/4.0 Super-Multi-Coated Takumar	\$799.50
7380	400mm f/4.0 Takumar	\$995.50
7381	600mm f/4.0 Takumar	\$1500.00
7382	800mm f/4.0 Takumar	\$2600.00
*7383	1000mm f/7.0 Reflex-Takumar	*

*Price and availability to be announced.

6x7 LENS HOODS

7419	Hood for 55mm Super-Multi-Coated Takumar	\$ 29.50
7420	Hood for 75mm Super-Multi-Coated Takumar	\$ 27.50
7421	Hood for 105mm Super-Multi-Coated Takumar	\$ 27.50
7422	Hood for 150mm Super-Multi-Coated Takumar	\$ 27.50

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 lenses are always supplied with cases. This listing provides ordering information for replacement or extra lens cases.**

Cat. No.

7571	Case for 35mm 6x7	\$ 21.50
7572	Case for 55mm 6x7	\$ 21.50
7573	Case for 75mm 6x7	\$ 21.50
7574	Case for 105mm 6x7	\$ 21.50
7576	Case for 150mm 6x7	\$ 21.50
7577	Case for 200mm 6x7	\$ 21.50
7578	Case for 300mm 6x7	\$ 27.50
7583	Case for Pentaprism 6x7	\$ 16.50

TAKUMAR LENS SPECIFICATION
 cross-reference chart for 6x7 Camera

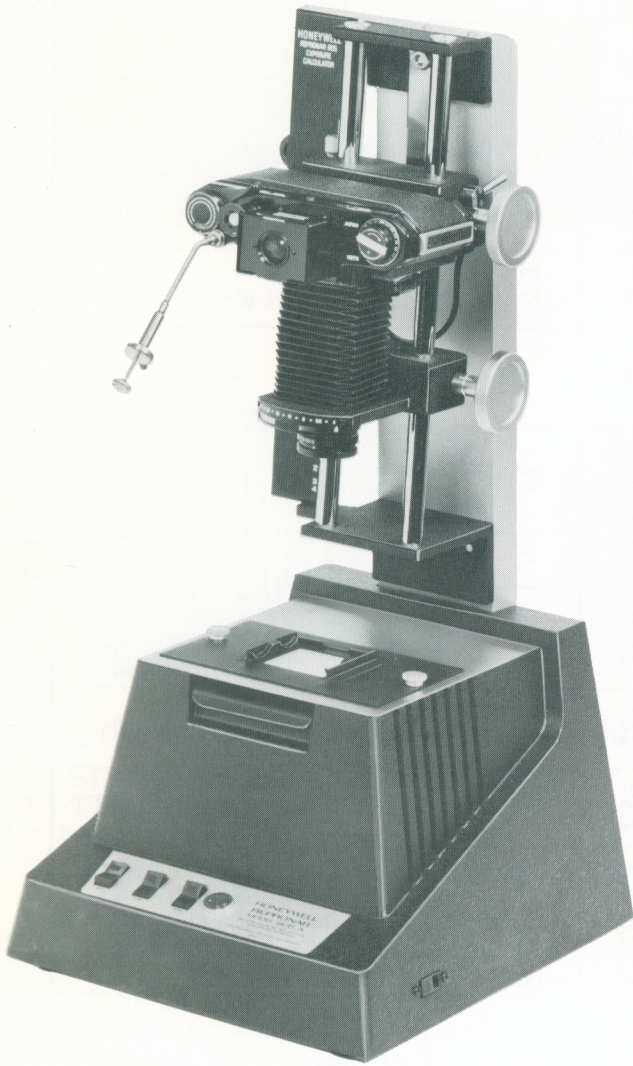
CAT. NO.	LENS	DIAPHRAGM	LENS ELEMENTS	LENS TYPE	MIN. APERTURE	MINIMUM FOCAL DIST.		ANGLE Degrees	WEIGHT		FILTER DIAMETER	LENS HOOD SIZE (In mm)	LENGTH		DIAMETER		PRICE \$
						Feet	Meters		Ozs.	Gm.			In.	mm	In.	mm	
7220	Fish-Eye 35mm SMCT 6x7 f/4.5	Fully-Auto.	11	Wide Angle Retrofocus	f/22	1.4	0.45	180°	32.9	932	UV, Y2, O2, R2	—	2.9	73	3.9	102	699.50
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	499.50
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	269.50
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	330.00
7227	135mm Macro SMCT 6x7 f/4.0	Fully-Auto.	5	Macro	f/22	2.7	0.85	36°	27.1	767	67	Not Re- quired	3.9	99	3.5	89	349.50
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	319.50
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	349.50
7230	300mm Super-Takumar 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	799.50
7380	400mm Takumar 6x7 f/4.0	Manual	5	Telephoto	f/45	26.2	8.00	12°	87.3	2475	77	*	6.8	287	4.5	115	995.50
7381	600mm Takumar 6x7 f/4.0	Manual	6	Telephoto	f/45	39.3	12.00	8°	194.1	5500	77	*	14.6	370	6.7	170	1500.00
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	2600.00
7383	1000mm Reflex-Takumar 6x7 f/7.0	Neutral Density Filters Built-in	7	Mirror Reflex- Telephoto	—	114.8	35.00	5°	225.9	6400	67 (Four built-in)	*	13.9	352	6.7	170	**

*Lens Hood supplied w/lens.

**Price and availability to be announced.

HONEYWELL REPRONAR MODEL 805A

slide duplicator



The Honeywell Repronar Model 805A is the latest advancement in a highly-successful line of color transparency copying instruments for beginner, amateur, advanced amateur, and professional use. It can achieve the same professional results as the most expensive enlarger, even for black and white work; its simple adjustments and controls make it easy for even the inexperienced operator to turn out remarkable results in a very short time.

The Repronar, manufactured by Honeywell, consists of a special precision 35mm camera, an easel with slide and filter holders, an electronic flash source with high and low output control, an incandescent light source for viewing the transparency to be copied and an adjustable exposure calculator.

The Camera

The special 35mm single-lens-reflex camera features a high-quality preset f/4.0 lens, a rapid film advance lever and film rewind crank. A selector button on the film advance mechanism permits multiple exposures. The camera and lens carriages move smoothly on a helical rack to vary the magnification and to achieve sharp focusing. A ground glass screen lets the user see the image exactly as it will photograph. Critical focusing is aided by a magnifier which flips over the eyepiece.

The Easel

The working area which holds the material to be copied is an integral part of the Repronar base. This means it's solid with no chance of vibration. The easel has a flush mounted opal glass screen approximately 3 $\frac{1}{4}$ " x 2 $\frac{1}{2}$ ", through which the light from the electronic flash passes. A built-in filter holder beneath the easel accommodates standard gelatin filters for color correction or special-effect work. Also supplied with the Repronar are 2 $\frac{1}{4}$ x 2 $\frac{1}{4}$ and 2 x 2 slide holders.

Electronic Flash Light Source

The electronic flash built into the base of the Repronar and controlled from the front panel is color balanced to equal a color temperature of approximately noon daylight. It has a high and low output control which permits a 4x change in light output; high is equivalent to two additional f/stops.

Incandescent Light Source

Integral with the electronic flash unit is a front panel switch-operated incandescent light source which is used for previewing and composing the image to be photographed.

Adjustable Exposure Calculator

The exposure calculator indicates the proper exposure for the magnification selected. Exposure will depend on two variables: the aperture selected and the position of the high-low electronic flash power switch. Normally, for all operations on the Repronar, the camera and lens carriages should point to the same numbers on the high and low scales of the exposure calculator. Minor adjustments are then quickly made for focusing and composition.

Cat. No. 805	Repronar Model 805A, fully assembled, with 2x2 and 2 $\frac{1}{4}$ x2 $\frac{1}{4}$ transparency slide holders, and power cord	\$450.00
Cat. No. 808	Exposure Calculator Bar (Replacement)	\$ 19.50

HONEYWELL REPRONAR MODEL 805A accessories



Motor Drive Accessory

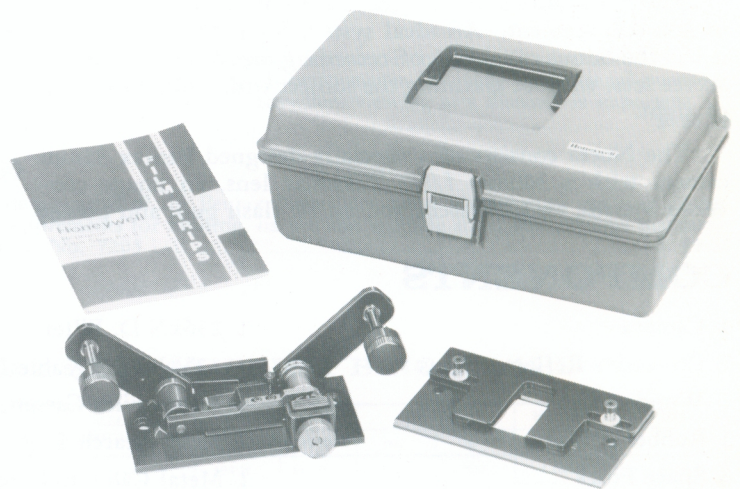
Attaches easily and securely to camera to cock shutter and advance film after each exposure — “automatically”.

Bulk Film Back

Holds 100 feet of film — excellent for those long jobs requiring more than 36 exposures! Must be used with the motor drive accessory.

Honeywell Repronar Film Strip Kit II

Newly-designed, easy-to-operate kit machined of steel and aluminum for exceptional durability. Kit contains a film strip copier that transports and registers film strips to be copied and a slide holder to produce film strips from full frame (24 x 36) slides. Packaged in a sturdy, dust and moisture-proof case with carrying handle.



Cat. No. 7075	Motor Drive for 805A Repronar	\$400.00
Cat. No. 7076	100' Bulk Film Back for 805A Repronar	\$550.00
Cat. No. 7078	Honeywell Repronar Film Strip Kit II, with case	\$400.00

HONEYWELL PENTAX NOCTA

SLR surveillance system



The Honeywell Pentax Nocta is a system that combines the capabilities of Infrared (IR) surveillance with 35mm single lens reflex telephotography. This unique, integrated system enables the photographer to fully utilize the SLR capability to view the subject, focus the lens, select the best moment, and then take a picture in total darkness.

The applications of the Nocta are numerous, particularly in law enforcement. An ideal system for night surveillance, it has the bonus capability of recording on film what the observer sees, without alarming the subject with a blinding flash of light.

The Nocta consists of a specially designed Pentax 35mm camera with a 300mm f/3.3 Takumar lens, an image converter system, an IR searchlight, an IR flash gun, and power

sources. Using Kodak high speed infrared film, the system is capable of taking pictures from distances up to 300 feet.

The Nocta's searchlight throws invisible infrared radiation on the subject, which is then reflected back into the camera's lens. This invisible radiation is made visible by the image converter tube when high voltage is applied. After focusing, the shutter may be released, firing the special flash bulb behind the infrared filter on the flash gun. This filter renders the light from the flash invisible, except for a weak red glow at the instant of exposure.

The Honeywell Pentax Nocta system is now available to local law enforcement departments as well as certain military and government agencies.

COMPONENTS

- | | | |
|---|----------------------------|--|
| 1 Camera | 1 256xN.D. Filter | 1 Protective Lens Cap |
| 2 Protective Reflector Caps | 1 12V Rechargeable Battery | 1 Automatic Battery Charger |
| 1 Wooden Case | 5 35mm Film Cassettes | 1 AC to 12VDC Converter |
| 1 Rubber Eyecup | 1 Spare Search Light Lamp | 3 Flash Lamp Holders |
| 3 Spare Fuses | 1 Metal Cable Release | 50 Special IR Flashbulbs |
| 1 Set (2) Batteries for Camera & Flash (9V) | | 1 Incandescent 12V Lamp for Aiming Flash |

Cat. No. 898* \$5,900.00

Cat. No. 810 Flashbulbs, package of five \$15.00

*Special Order

HONEYWELL PHOTOGRAPHIC PRODUCTS

HONEYWELL PENTAX PRISM BINOCULARS with multi-coated interference filter



7X, 35

Honeywell Pentax Binoculars are made by the same quality craftsmen who make the Pentax cameras and Takumar lenses; they're built to exceptionally-high standards both optically and mechanically. All models feature a built-in multi-coated interference filter distinguishable by the reddish-gold cast seen as you look at the eyepiece. The filter is designed to block harmful ultraviolet and infrared light rays. Pentax Prism Binoculars have convenient center focus and come complete with fitted leather cases, neck and shoulder straps.

6X, 30

Fine, all-around binocular with excellent light-transmitting properties. Lightweight and compact, yet rugged enough to withstand hard use. Ideal for theater, indoor and outdoor sports and all sporting events.

ZCF Cat. No. 7202 \$ 69.50

7X, 35 (Wide Angle)

The most popular binocular size made! These general purpose glasses excel in most every viewing category — and they're wide angle! Superb optics assure a tack-sharp image and eliminate eye strain, even with prolonged viewing. A real companion for sporting events, races and other fast-moving activities.

BWCF Cat. No. 7004 \$ 99.50

7X, 50

Specially-designed for night use, the large exit pupil provides brilliant viewing under the poorest lighting conditions. They're suited for a variety of uses from bird watching to hunting and sporting events.

ZCF Cat. No. 7010 \$ 99.50



7X, 50

8X, 40 (Wide Angle)

A superb alternative to the 7 x 35, the 8 x 40 gives greater magnification with equal brightness, wide viewing angle and no increase in weight. Excellent general purpose binoculars, equally at home in the woods for nature or bird study or at sporting events for viewing all the action.

BWCF Cat. No. 7005 \$ 99.50

10X, 50

Outstanding high-powered glasses, perfectly balanced for fatigue-free viewing. Their rugged construction assures years of service. Ideal for nature study, hunting and extreme distances.

ZCF Cat. No. 7203 \$ 99.50

12X, 50

Similar to the 10 x 50, but with a higher degree of magnification and functional design. These glasses offer superb performance for many professional purposes, outdoor and spectator sports — anywhere viewing at a distance is important.

ZCF Cat. No. 7204 \$ 99.50

16X, 50

The most powerful of the Pentax Binoculars, these glasses meet exacting professional requirements for hunting, nature and wildlife study and extreme distance.

ZCF Cat. No. 7205 \$ 99.50

SPECIFICATIONS FOR HONEYWELL PENTAX PRISM BINOCULARS

TYPE	MAGNIFICATION	DIAMETER OF OBJECTIVE LENS	DIAMETER OF EXIT PUPIL	ANGLE OF VIEW	RELATIVE BRIGHTNESS	FIELD OF VIEW		WEIGHT		HEIGHT AND WIDTH	
						at 1000 yds.	at 1000 m	oz.	g	inch	cm
6X, 30	6X	30 mm	5.0 mm	7.5°	25	394 ft.	131 m	18.2	515	4.6x6.4	11.8x16.2
7X, 35 (Wide Angle)	7X	35 mm	5.0 mm	11.0°	25	578 ft.	193 m	28.3	802	4.9x7.2	12.4x18.2
7X, 50	7X	50 mm	7.1 mm	7.1°	51	372 ft.	124 m	35.7	1010	7.0x7.9	17.8x20.0
8X, 40 (Wide Angle)	8X	40 mm	5.0 mm	9.5°	25	493 ft.	164 m	28.3	802	5.7x7.2	14.4x18.2
10X, 50	10X	50 mm	5.0 mm	5.5°	25	289 ft.	96 m	35.3	1000	6.8x7.9	17.3x20.0
12X, 50	12X	50 mm	4.2 mm	5.5°	17	289 ft.	96 m	38.8	1100	6.58x7.9	16.7x20.0
16X, 50	16X	50 mm	3.1 mm	4.0°	10	210 ft.	70 m	38.8	1100	6.7x7.9	17.0x20.0

HONEYWELL CUSTOM MODIFICATIONS FOR PENTAX

New Honeywell Photographic equipment can be ordered with the special modifications listed here — or previously-purchased equipment can be modified at any of Honeywell's Service Centers.

FOCUSING SCREENS

Optional focusing screens can be installed in the Honeywell Pentax Spotmatic, Spotmatic II, SP 500, SL and Motor Drive. To order a particular model, simply combine the catalog number with one of the following prefixes for a particular screen.

Prefix	{ XMT XCR XRF	Screen	{ Matt Cross Rangefinder
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As an example, you wish to order a rangefinder screen in a Spotmatic II with f/1.4 SMCT. This is catalog number 7136. Your order should be written like this:

XRF7136. This will assure prompt attention to your order. Please add \$25.00 to the suggested retail price.

T.V. VIEWFINDER FRAME \$20.00

Used as a guide when duplicating or making transparencies for television, it can be installed on the Honeywell Pentax Spotmatic cameras and on the Honeywell Repronar.

MIRROR LOCK-UP MODIFICATION \$40.00

MIRROR LOCK-UP MODIFICATION plus MATT FOCUSING SCREEN \$55.00

PENTAX 6 x 7 MODIFICATIONS

PENTAX 6 x 7 MATT FOCUSING SCREEN \$20.00

Compatible with all the 6 x 7 Super Takumar lenses.

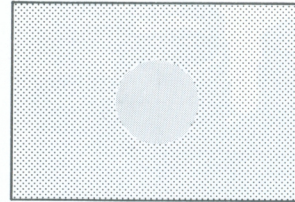
PENTAX 6 x 7 MATT FOCUSING SCREEN with ETCHED VERTICAL and HORIZONTAL LINES \$20.00

Especially well-suited for architectural photography and accurate copying of flat material.

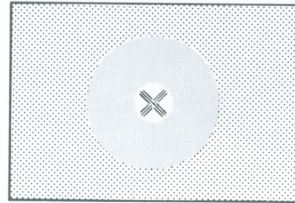
PENTAX 6 x 7 MATT FOCUSING SCREEN with MICRO PRISM and ETCHED VERTICAL and HORIZONTAL LINES \$20.00

PENTAX 6 x 7 HOT SHOE MODIFICATION \$20.00

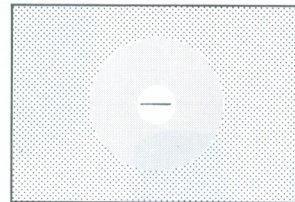
Permits use of 6 x 7 with any of the many Honeywell shoe-mount Strobosnars and is a mounting point for the Strobe-Eye when using the camera with the Honeywell Auto/Strobonar 882, 772 or 462.



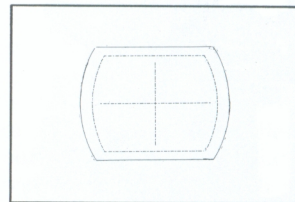
MATT
FOCUSING SCREEN



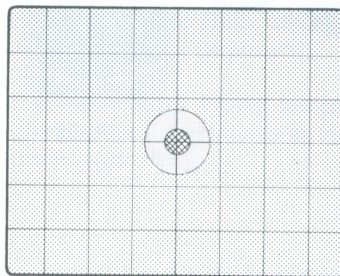
GROUND GLASS
WITH CROSS
FOCUSING SCREEN



SPLIT IMAGE
RANGEFINDER
FOCUSING SCREEN



T.V. VIEWFINDER
FRAME



6 x 7 MATT
FOCUSING SCREEN
W/MICRO PRISM AND
ETCHED VERTICAL
AND HORIZONTAL
LINES



6 x 7 HOT SHOE
MODIFICATION

HONEYWELL PHOTOGRAPHIC PRODUCTS

HONEYWELL CUSTOM MODIFICATIONS

CUSTOM CAMERA ENGRAVING

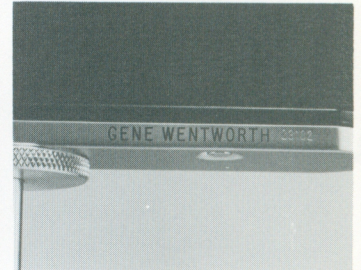
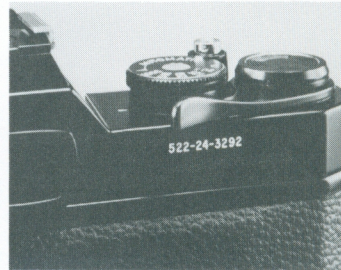
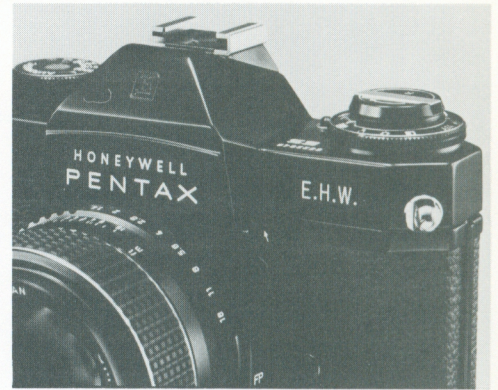
for protection and beauty

Custom engraving of owner's name or initials and social security number is available for all Honeywell cameras coming in for service at Honeywell Service Centers. Personalized engraving is a proven way to reduce theft and eliminate resale of stolen cameras. And it's accepted as positive identification of stolen or lost goods by police departments throughout the country.

When ordering, be sure to specify the exact letters and numerals to be used, color and location on camera, as illustrated here.

Black or white lettering, up to 20 characters \$10.00

Colored lettering, up to 20 characters \$12.00



SPECIAL BRACKETS

DOUBLE BRACKET \$19.95

(Cat. No. DB306) Designed to hold two cameras and one Strobonor; one neck strap holds the entire outfit.

SPECIAL 6 x 7 BRACKET \$ 7.95

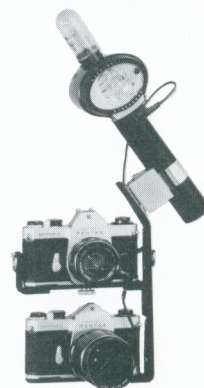
(Cat. No. SS301) Designed specifically for the 6 x 7 when using Honeywell handle-style Strobonars.

SPECIAL TWIN LENS REFLEX BRACKET \$ 7.95

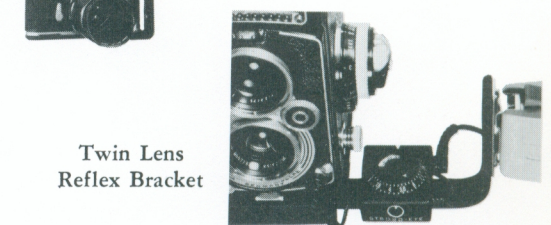
(Cat. No. SE301) Allows use of new Honeywell Auto/Strobos with Strobe-Eye Remote Sensor with twin lens cameras.

SPECIAL LEICA M-5 BRACKET \$30.00

Permits the attachment of the 700 and 800 series Honeywell Strobos to the Leica M-5. Due to labor and special fitting involved, allow 15 to 20 days for delivery.



Double Bracket



Twin Lens Reflex Bracket