

K SERIES

ASAHI
PENTAX

K2

THE WORLD'S MOST ADVANCED,
FULLY-AUTOMATIC
EXPOSURE CAMERA

KX

THE NEXT "WORLD'S FAVORITE"
THROUGH-THE-LENS
METERING SLR

KM

THE RESULT OF 23 YEARS OF
SLR EXPERIENCE

K1000

THE IDEAL WAY
TO GET ACQUAINTED WITH
THE PENTAX WAY



ASAHI

PENTAX

K

series

Now, an entirely new 35mm SLR camera-lens-accessory series: the Pentax K Series, based on the unique Pentax K bayonet mount. Foolproof, handy, sure, the K bayonet mount is a "first" that was well worth waiting for. And the mount isn't all that's new about the Pentax K Series. Working to the highest optical and electronic standards in the industry, Pentax has designed 4 cameras for the K Series.



- the new K2, built around a fully-automatic exposure system with a high-precision, vertical drop electronic shutter
 - the new KX, adding a full-information viewfinder to its convenient match-needle exposure system
 - the new KM, incorporating Pentax's internationally-renowned through-the-lens metering system
 - and the new K 1000, to bring Pentax photography within the reach of everyone.
- With the introduction of the K Series, Pentax also introduces a new line of more highly refined, bayonet-mount Super-Multi-Coated SMC Pentax lenses . . . and a full range of K Series accessories. So now there are 3 complete Pentax systems for you to choose from; the conventional screw-mount S Series, the ideal Format 6 x 7 Series, and now the new K Series. The first two you probably already know about. To find out about the K Series, read on!



K2

- The K2's exposure factor control dial permits compensation of 1/4, 1/2, 2 or 4 times the exposure value. ASA values of 8 to 6400 accommodated.
- The 2 needles on the viewfinder exposure scale indicate both types of exposure determination (automatic or manual) and shutter speed.
- Fully-automatic exposure determination starts as soon as the dial is set to AUTO and the system is switched on — either by opening the rapid advance lever slightly or by slightly depressing the shutter release button.
- The exposure meter works as a needle-matching system when you are operating manually. It functions perfectly even at the ultra-slow 8 sec. setting.
- The Seiko MF (Metal Focal-plane) shutter was developed jointly by Asahi Pentax and Seiko, a world-famous maker of fine watches.
- A brighter viewfinder, thanks to a newly silver-coated pentaprism; larger instant-return mirror eliminates "mirror cut-off" with telephoto lenses.
- The battery check button activates an LED (Light Emitting Diode) system which indicates sufficient battery power.



The K2 is the finest, fully-automatic electronic exposure SLR camera in the world. The Seiko MF shutter (a compact, metal focal-plane shutter consisting of 5 fan-like leaves) has been created especially for the K2. The K2 offers 2 exposure determination systems: fully-automatic or match-needle operation. Either system can be used at speeds from 1/1000 sec. to 8 sec. From its new shutter to its new exterior finish, the K2 makes the most of its extremely advanced design in every situation, under practically any conditions.



When shooting on **AUTOMATIC**, the blue needle indicates **AUTO** on top. When the meter is switched on, the black needle indicates a correct shutter speed.



When shooting on **manual**, the blue needle indicates the shutter speed chosen. To obtain optimum exposure, match the black needle with the blue one by turning either the aperture ring or the shutter speed dial.

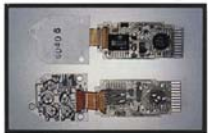


① Developed jointly by Asahi Pentax and the world-renowned Seiko watch manufacturer, the Seiko MF (Metal Focal-plane) Shutter offers unique advantages to the new K2. Consisting of five metal leaves which open in a fan-like movement, the Seiko MF shutter drops vertically. (Conventional shutters run horizontally.) Because the vertical dimension of the picture area is less than the horizontal (24mm vs 36mm), this new shutter permits the K2 to be set as fast as 1/125 sec. for electronic

flash synchronization. The Seiko MF shutter is also exceptionally compact — allowing the entire K2 camera to be more compact than a conventional fully-automatic exposure 35mm SLR. And it is both durable and highly resistant to extremes of cold.

② IC pattern used in K2

③ The Silicon Photo Diode measures light accurately and instantaneously, even in very dimly-lit situations because of its high sensitivity and stability.





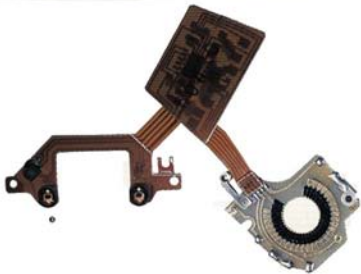
KX

- Rapid-wind film advance lever with plastic thumb guard for effortless consecutive shooting.
- Memo holder on back cover holds tab from film box showing film type and ASA.
- Highly-reputed focal-plane shutter with speeds ranging from 1/1000 sec. to 1 sec. A shutter button lock allowing time exposures is built onto the camera.
- Full-information viewfinder indicates the aperture setting as actually shown on the aperture ring.
- Depth-of-field preview button assures easy confirmation of depth of field. Mirror lock-up lever is tucked up high, out of the way.
- Body available in chrome or black finish.
- The KX has been designed to save power in its Integrated Circuit and employs a through-the-lens center-weighted metering system.

The KX utilizes a through-the-lens, open aperture, match-needle, metering system which offers the incredible accuracy and sensitivity of silicon photo diodes. Furthermore, the viewfinder of the KX tells all: Set the desired shutter speed and the transparent blue indicator needle moves to the selected position, serving as a reminder; next, match needles for correct exposure by rotating the aperture ring and the small window above the viewfinder informs the photographer of the position of the aperture ring. Thus, either shutter speed or aperture can be adjusted without removing the camera from one's eye.



- 1 The preselected shutter speed is indicated by the blue needle. Rotate aperture ring to match needles, and the selected aperture appears in the window above the viewfinder.
- 2 Outside view of the KX's tiny window. Through this window, by means of a bar prism, the photographer, looking through the viewfinder, can actually read the selected f-stop off the aperture ring.
- 3 A key feature of the KX: the through-the-lens metering circuit is coupled via a flexible circuit to two Silicon Photo Diodes and the capacitor of an Integrated Circuit.





The KM, like the K 1000, is essentially the world's best-selling Spotmatic F updated with a bayonet mount and the result of Pentax's long experience in perfecting the full-frame-averaging through-the-lens metering system. Optimum exposure is determined simply and clearly, solely by adjusting the aperture ring so that the needle rests at the center of the scale. A convenient Photoswitch turns on the exposure meter when the lens cap is removed.



- ① Depth of field can be confirmed by depressing the preview button. The self-timer is conveniently sized and located for easy use. The K bayonet mount is exceptionally easy to use.
- ② The film advance lever is covered with a plastic thumb guard. The shutter speed dial has an ASA dial around its circumference.
- ③ Threaded FP and X terminals to prevent accidental disconnection of flash cord.

KM

- Slim, elegant body design is common to all cameras in the K Series. The design is highlighted by a dashing black wrap-around stripe.
- The self-timer lever is placed high and out of the way to assure easy handling.
- One secret of the more comfortable "feel" of all K Series cameras is the bevelling of their lower front edge.
- Traditional Pentax open-aperture full-frame-averaging, through-the-lens metering system. The exposure can be set by merely centering the needle on the exposure scale in the viewfinder.
- The Photoswitch turns on the light meter when the lens cap is removed.
- The K bayonet mount allows quick lens changing. All functions are coupled instantly and simultaneously.
- Hot shoe with X contact for electronic flash. New threaded synchro-terminals provided for more secure flash cord attachment.



- ④ Two CdS cells incorporated for activating the exposure meter, and an extra CdS for Photoswitch on top.

Type	Standard Lenses	Shutter	Flash Synchronization	Viewfinder	Self timer	Focusing	Reflex Mirror	Exposure Counter
KC2	Aperture priority AE electronic shutter 50mm SLR	SMC Pentax 50mm f/1.7, 50mm f/1.8 and 50mm f/1.8 with fully automatic diaphragm. Maximum aperture f/22. Filter size: 52mm. Minimum Focusing Distance: 45cm (17.3in.)	Vertical-run, focal-plane shutter with rubberized silk curtains. Shutter button lock provided. Automatic electronic shutter: operates between 8 and 1/1000 sec. Manual electronic shutter: 8 - 1/1000 sec. Manual mechanical shutter: 8, 1/125 sec.	X contact hot shoe for cordless flash connection. FP + X contacts for conventional flash cord connection. X synchronization at 1/125 sec.	Pentamirror finder with cross-magnification or split image focusing screen. 0.88x magnification with 50mm lens. (In-focus with 55mm lens). 92% field of view. Display: "Incorrect exposure range" indicator.	Built-in self-timer with on-range function. 5 - 9 sec. delay after tripping shutter release.	Turn focusing ring until image comes into focus.	Spring-up-and-back, return type with mirror lock-up device and special shock absorbers for minimum vibration.
KX	35mm SLR with built-in lens exposure meter.	SMC Pentax 50mm f/1.7, 50mm f/1.8 and 50mm f/1.8 with fully automatic diaphragm. Filter size: 52mm. Maximum aperture f/22. Minimum Focusing Distance: 45cm (17.3in.)	Horizontal-run, focal-plane shutter with rubberized silk curtains. Speeds: 8, 1 - 1/1000 sec. Shutter button lock provided.	X contact hot shoe for cordless flash connection. FP + X contacts for conventional flash cord connection. X synchronization at 1/60 sec.	Pentamirror finder with cross-magnification or split image focusing screen. Aperture setting on lens visible in viewfinder. Shutter speed setting indicated by blue needle. 0.88x magnification with 50mm lens. (In-focus with 55mm lens). Display: 0.8 - 92% field of view.	Built-in self-timer with on-range function. Releases shutter in 5 - 13 sec.	Turn focusing ring until image comes into focus.	Instant return type with mirror lock-up device and special shock absorbers for minimum vibration.
KM	35mm SLR with built-in lens exposure meter.	SMC Pentax 50mm f/1.7, 50mm f/1.8 and 50mm f/1.8 with fully automatic diaphragm. Filter size: 52mm. Minimum Focusing Distance: 45cm (17.3in.)	Horizontal-run, focal-plane shutter with rubberized silk curtains. Speeds: 8, 1 - 1/1000 sec.	X contact hot shoe for cordless flash connection. FP + X contacts for conventional flash cord connection. X synchronization at 1/60 sec.	Pentamirror finder with cross-magnification or split image focusing screen. 0.88x magnification with 50mm lens. (In-focus with 55mm lens). Display: 0.8 - 92% field of view.	Built-in self-timer with on-range function. Releases shutter in 5 - 13 sec.	Turn focusing ring until image comes into focus.	Instant return type with special shock absorbers for minimum vibration.
K1000	35mm SLR with built-in lens exposure meter.	SMC Pentax 50mm f/1.7 with fully automatic diaphragm. Filter size: 52mm. Minimum Focusing Distance: 45cm (17.3in.)	Horizontal-run, focal-plane shutter with rubberized silk curtains. Speeds: 8, 1 - 1/1000 sec.	X contact hot shoe for cordless flash connection. X contact for conventional flash cord connection. X synchronization at 1/60 sec.	Pentamirror finder with cross-magnification or split image focusing screen. 0.88x magnification with 50mm lens. (In-focus with 55mm lens). Display: 0.8 - 92% field of view.	Turn focusing ring until image comes into focus.	Instant return type with special shock absorbers for minimum vibration.	Automatic reset.

K1000

- Large, bright viewfinder system for simplified focusing and composing.
- Shock absorbers incorporated into the mirror chamber to minimize "mirror-shock" and "mirror-clatter."
- Shares with the entire Pentax family precision and rugged construction for a lifetime of use.
- Full range of shutter speeds, from an "action-freezing" 1/1000 sec. to a long 1 second, plus Bulb, for recording the dimmest of scenes.
- An extensive ASA range of 20-3200 enables one to work with all types of film, from slow reversal to fast black and white "pushed" to its limit.
- Open-aperture metering to ensure the viewfinder never darkens.
- Totally accepts the full range of Pentax K Series accessories for unlimited picture-taking capabilities.



As the K Series model entailing the smallest investment, the K 1000 represents the ideal way of getting acquainted with the Pentax way. Proudly bearing the Pentax name, it retains all the essential features of a quality camera. Moreover, its simplified metering system assures even the beginner of perfect exposures from the very first roll.



- 1 Merely centering the needle assures correct exposure.
- 2 Hot shoe for cordless electronic flash operation.
- 3 Non-slip texturized body surface for a secure grip.
- 4 Seen on the top are the "soft-touch" shutter

release button, red shutter-locked indicator, legible exposure counter, and comprehensive shutter speed dial.

Lens Mount	Film Rewind	Exposure Meter	Film Advance	Loaded Film Indicator	Exposure Control	Mirror Holder	Meter Switch	Dimensions	Weight
Pentax bayonet mount. Rotation: 85°	Rapid-rewind crank (in clear of body).	Silicon Photo-Diode meter measures central portion of ground glass at full lens aperture. Match needles for correct exposure on manual. Coupler directly to shutter, aperture and film speed settings. Shutter speed and auto/manual settings visible in viewfinder for exposure double check. Powered by one 1.5V silver oxide battery.	Single stroke wind lever. 130° throw and 25° play.		E exposure factor control dial: 4x, 2x, 1x, 1/2x, 1/4x for exposure compensation.	Square metal frame for holding type I speed tab from top of film box.	Meter is ON when shutter button is depressed halfway. Also, when film speed lever is advanced 25° and shutter button is depressed halfway, meter stays ON. Battery check button and lamp provided.	With 50mm f/1.4 lens: width 148mm (5.8") height 91.4mm (3.6") depth 94mm (3.7")	840g (33.5oz.) with 50mm f/1.4 lens. 880g (34.2oz.) without lens.
Pentax bayonet mount. Rotation: 85°	Rapid-rewind crank for speedy film take-up.	Silicon Photo-Diode meter measures central portion of ground glass at full aperture. Coupler directly to shutter, aperture and film speed settings. Match needles for correct exposure. EV 1-18 for ASA 100 film with 50mm lens. Full speed from S to 8000 ASA. Powered by one 1.5V silver oxide battery.	Ratchet type rapid-wind lever. 160° throw and 10° play. "Coocked" indicator alongside shutter release button.			Square metal frame for holding type I speed tab from top of film box.		With 50mm f/1.4 lens: width 143mm (5.6") height 91.4mm (3.6") depth 94mm (3.7")	890g (31.4oz.) with 50mm f/1.4 lens. 831g (29.3oz.) without lens.
Pentax bayonet mount. Rotation: 85°	Rapid-rewind crank for speedy film take-up.	CdS meter measures the average brightness of the ground glass at full aperture, shutter and film speed settings. Center needle for correct exposure. Film speed from S to 3200 ASA. EV 2-18 for ASA 100 film with 50mm lens. Powered by one 1.5V silver oxide battery. Meter on/off by built-in PhotoSwitch.	Ratchet type rapid-wind lever. 160° throw and 10° play. "Coocked" indicator alongside shutter release button.	Reminder dial below film speed knob, with settings for 20 or 36 exposures, for daylight or tungsten color, or black and white.				With 50mm f/1.4 lens: width 143mm (5.6") height 91.4mm (3.6") depth 94mm (3.7")	887g (31.4oz.) with 50mm f/1.4 lens. 829g (29.3oz.) without lens.
Pentax bayonet mount. Rotation: 85°	Rapid-rewind crank for speedy film take-up.	CdS meter measures the average brightness of the ground glass at full aperture, shutter and film speed settings. Center needle for correct exposure. Film speed from S to 3200 ASA. EV 2-18 for ASA 100 film with 50mm lens. Powered by one 1.5V silver oxide battery. Meter on/off by built-in PhotoSwitch.	Ratchet type rapid-wind lever. 160° throw and 10° play. "Coocked" indicator alongside shutter release button.					With 50mm f/1.4 lens: width 143mm (5.6") height 91.4mm (3.6") depth 94mm (3.7")	837g (29.5oz.) with 50mm f/1.4 lens. 810g (28.6oz.) without lens.



Lenses undergoing Super-Multi-Coating process.



An array of SMC vacuum evaporators installed in response to improved SMC technology.

FURTHER REFINEMENTS IN SMC TECHNOLOGY

SMC — Super-Multi-Coating — is a treatment which Asahi Pentax developed over 4 years ago. SMC, most simply, involves the application of a 7-layer coating of chemicals to the lens surfaces. This helps direct more light straight through the lens . . . and cuts down on the amount of light lost through reflection. The results of the treatment are remarkable: more than 99.8% of the light goes straight through to the film plane; less than 0.2% is reflected within the lens. Now, in the new SMC Pentax standard focal length lenses, SMC has been expanded. First, the full range of 7 layers has been applied to most glass surfaces within the lens. (Previously, some surfaces had been merely single-coated.) And second, SMC has been applied even to those glass surfaces which are thereafter cemented together. (Previously, these had not been coated at all.)



The photo above shows two kinds of optical groups, each made up of two glass elements cemented together. The group on the left has been Super-Multi-Coated. See the difference in the amount of reflection?

Thus, with the new SMC Pentax lenses, even slight reflections are minimized. Pictures are sharper; color rendition is excellent; more detail is retained; and the reproduction of black tones — often a problem — is strikingly successful.



ASAHI OPTICAL CO., LTD. C.P.O. 895, Tokyo 100-91, JAPAN
 ASAHI OPTICAL EUROPE N.V. Weiveldlaan 3-5, 1930 Zaventem, BELGIUM
 ASAHI OPTICAL EUROPE N.V. (Deutschland-Niederlassung) 2000 Hamburg 54 (Lokstedt), Grandweg 64, WEST GERMANY
 ASAHI OPTICAL (AMERICA) INC. 15 East 26th Street, Suite 1710, New York, New York 10010, U.S.A.
 ASAHI OPTICAL BRASILEIRA IND. E COM. LTDA. Rua Estados Unidos, 1053, São Paulo-SP, BRASIL

