

**MORE VALUE
FROM PENTAX**

PENTAX

MTV



"MORE VALUE"—FROM PENTAX



The Pentax MV. You might call it a revolutionary camera. Because it's a full-fledged SLR that you don't have to be a professional to use. In fact, you don't even have to know a lot about photography to get sharp, crisp results with it virtually every time. Why? Because the MV makes the exposures for you automatically? Yes, partly. But also makes them easier than before. With the MV, all complicated exposure setting is left to the camera — even the shutter speed dial has been removed and, with it, all worries about shutter speed setting. Once the preliminaries are finished, all you do is bring the camera to your eye, focus and slightly depress the shutter button to check the exposure. If the Green LED inside the viewfinder lights — and it usually does in daylight — go ahead and shoot. When the Green LED doesn't light, either the Red or Yellow LED exposure warning lights will. But they're no problem either. Usually, when these light, you just turn the aperture ring to a different f-number until the Green LED comes on. Or, if the yellow light remains on, either steady the camera or shoot with a flash unit to be on the safe side. That's about all you need to know about exposure setting with the Pentax MV. And, remember it's a top quality SLR that gives you striking results!

We mentioned flash unit. This scares a lot of people too. But with the MV's AF 200S, which synchronizes automatically with the camera, flash photography has never been easier either. Again, you don't have to touch the camera's control dial. Just mount the AF 200S and it synchronizes automatically on charging. Then, merely select the f-number indicated by the flash unit's Auto Mode Setting, and fire away for striking flash photos virtually everytime.

You might conclude that we imply MV stands for "More Value" merely on the basis of the above two features alone. But the MV's values keep right on coming. Take the high-precision Pentax Bayonet Mount, for example, which accepts the entire

selection of nearly 40 SMC Pentax interchangeable lenses, permitting you to photograph your subjects with unending emphasis. Or, how about the all-metal MFC Seiko vertical-run focal-plane shutter; especially designed for Pentax cameras, this is one of the finest shutters available anywhere.

Then, there are other MV "Values" such as the little details that Pentax is famous for. Like a special "X" flash ready indicator inside the viewfinder, eliminating the need to take your eye off the subject when you make flash exposures with the AF 200S. Or, the shutter cocked indicator, which informs you when the shutter is cocked so that you don't accidentally trip it. Or, "Magic Needle Loading," which eliminates the fumbling when you put the film in the camera.

When you look at the pricetag and what you get, you might think that the MV's list of "Values" should stop about here. But, there are more — many more. For the day when you really want to get serious about photography there are more than 200 Pentax camera and lens accessories waiting in the wings to choose from, running the gamut from bellows units for macro-photography to a stereo adaptor that lets you take 3D pictures. Then, we might also mention, that if you buy the MV with the revolutionary SMC Pentax 40mm "pancake" lens as a standard lens, the camera will fit easily into coat pockets and small handbags. We could also add that anyone in the family who's old enough to know what a camera is can take top quality photographs with the MV.

The Pentax MV. Now you know what we mean when we say "More Value." Still don't believe us? Why not ask your camera dealer about it. Compare the price of the MV and what you get with the price of the others and what you get. You'll be convinced!

EXPOSURE SETTING... AS EASY AS CROSSING THE STREET



Taking top quality photographs with the Pentax MV is literally as easy as crossing the street. We might even say "easier" because with the MV, the light is usually GREEN all the way. And, when it isn't, you make it green. There's no waiting. No complicated exposure setting, either. In fact, shutter speed setting has been eliminated entirely — being left to the camera's infinitely faster and more accurate micro-computer.

Here's how the world's easiest-to-operate SLR works. Once you load the film in the camera and preset the ASA film speed number, merely select an f-number with the lens aperture ring which is appropriate to lighting conditions. For example: f/11 on bright, sunshiny days; f/5.6 for bright clouds; f/4 for overcast or shade, and so forth. Next, set the camera for the AUTO



mode, and press the shutter button part-way to make a quick exposure check. One of the three easy-to-see LED indicators inside the MV's bright and spacious viewfinder will light. If the green LED lights — and it usually does — go ahead and shoot. Ninety-nine times out of a hundred, that's it!

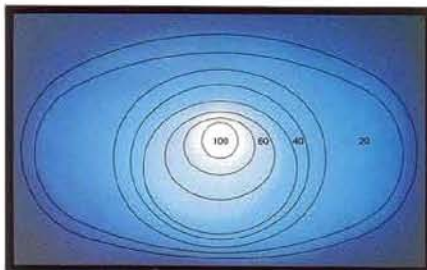
● **"Red" LED — "Overexposure Warning"**
You do hit an occasional red light with the MV — when the background is brighter than anticipated, for example. But, here, too, you give yourself the green light merely by switching to a smaller lens aperture where the green LED lights (f/8 to f/11 or f/16, for example).

● **"Yellow" LED — "Slow Exposure Warning"**
In situations where light is limited, the MV sometimes gives you a "yellow" caution signal, too. This does not necessarily indicate underexposure, but that the camera's auto exposure system has selected a shutter speed of 1/30 sec. or slower, where there is danger of picture blur. In this instance, too, you can often give yourself a green light. This time, by selecting a wider lens aperture (f/4 to f/2.8 or f/2, for example). If the green light fails to come on, however, then brace the camera firmly to minimize blur and shoot on "yellow." Or, better still, use a tripod or flash unit.

● **Today's Electronics — The Reason Why**

The latest electronic advances are the reason why the MV is so easy to operate

and even a small child can obtain top-quality results with it. When you press the shutter button, the exposure system's quick response SPD (silicon photo diode) cell takes a light reading and passes the information on to the camera's built-in micro-computer, which consists of the latest Integrated Circuitry (IC's) Large Scale Integrated Circuitry (LSI), flexible circuit boards and so forth. This highly sophisticated electronic brain then sets the precise shutter speed between 1/1000 sec. and 1 sec., in relation to your preselected lens aperture. Moreover, as the SPD cell reads light in a center-weighted metering pattern, primary emphasis is placed on the center of the picture area for increased exposure accuracy.



● The center-weighted metering pattern



● Silicon Photo Diode



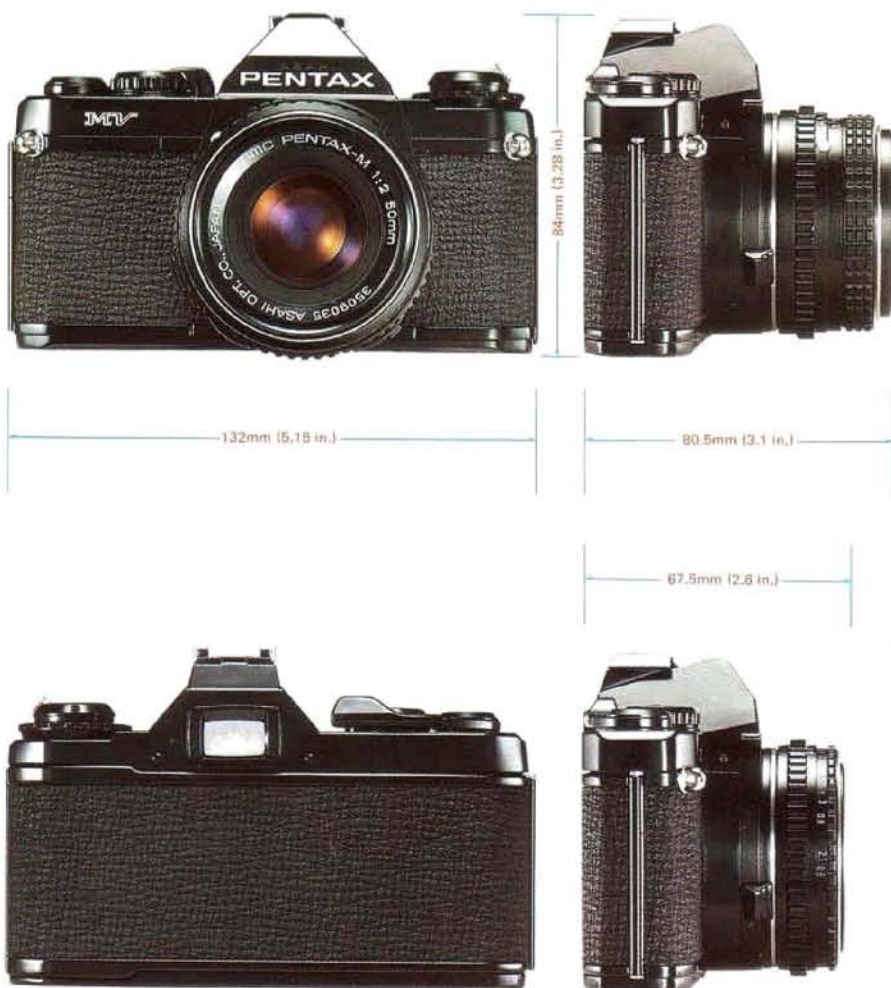
COMPACT, LIGHTWEIGHT, SLEEK-BODY

The Pentax MV is as easy to handle as it is to operate. Along with the MX and ME, it is a member of a trio of the smallest and lightest 35mm single-lens-reflex cameras ever made. The body weight alone is a mere 420 grams. Even with the 50mm f/1.7 lens attached, it's still a featherweight at 650 grams.

Moreover, with the Pentax 40mm f/2.8 "pancake" standard lens mounted, it weighs only 530 grams — the lightest of any 35mm SLR with lens attached.

In terms of strength, features and handling ease, the MV is a giant, however. Along with the Pentax MX and ME, it shares one of the toughest diecast bodies ever developed by Asahi Pentax. And, thanks to the latest advances in Large Scale Integration (LSI) technology, it features fewer moving parts that do more work than their conventional counterparts. Moreover, these parts have been made larger than conventional parts to insure greater durability.

As to handling, the MV's well-rounded corners and contoured edges enable it to rest perfectly in your hands, with all the controls falling in the right places. The extra-smooth film advance lever features a large plastic thumb grip and a short throw for easy winding. The shutter release button is large and round, and releases the shutter with unbelievable ease. In short, the MV is a camera that has been human-engineered for perfect handling ease.



● Even "Pocketable" With the Amazing 40mm "Pancake" Lens!

One might think it is convenient enough that the MV is one of the world's smallest and lightest SLRs. But, those who purchase it with the new incredible SMC Pentax-M 40mm "pancake" standard lens will find that it also offers the extra convenience of "pocketability."

Protruding a mere 18mm from the front of the camera, this remarkable standard lens enables you to slip the camera into coat pockets, handbags and light luggage. Moreover, those who like to get a little extra into the picture will find that the 40mm standard lens gives them 10° more angle of view than 50mm standard lens; yet it still offers a perspective that is pleasing for portraits and snapshots. In addition, the "pancake" lens is a particularly great lens for hikes, trips and so forth. The SMC Pentax-M 40mm "pancake" lens. Just another of the many options awaiting the MV photographer.



GOODBYE... TO THE SHUTTER SPEED DIAL!

• Go It AUTO All the Way!

We have already mentioned that because the camera sets the shutter speed for you, the MV requires no shutter speed setting on your part. It naturally follows, then, that we have removed the shutter speed dial to simplify operation. In its place we have provided an "exposure-mode" dial with 3 exposure settings — but two of these are merely for special shooting situations.



With the MV, you can literally go it AUTO all the way. In fact, if you use the camera's exclusively designed AF 200S Auto Flash Unit, which features automatic flash synch, you can even make your flash exposures on AUTO. The MV has been totally optimized for automatic shooting.



• The 100X Setting

Then, why the other exposure modes if all you really need is AUTO? The



The "B" (Bulb) Setting

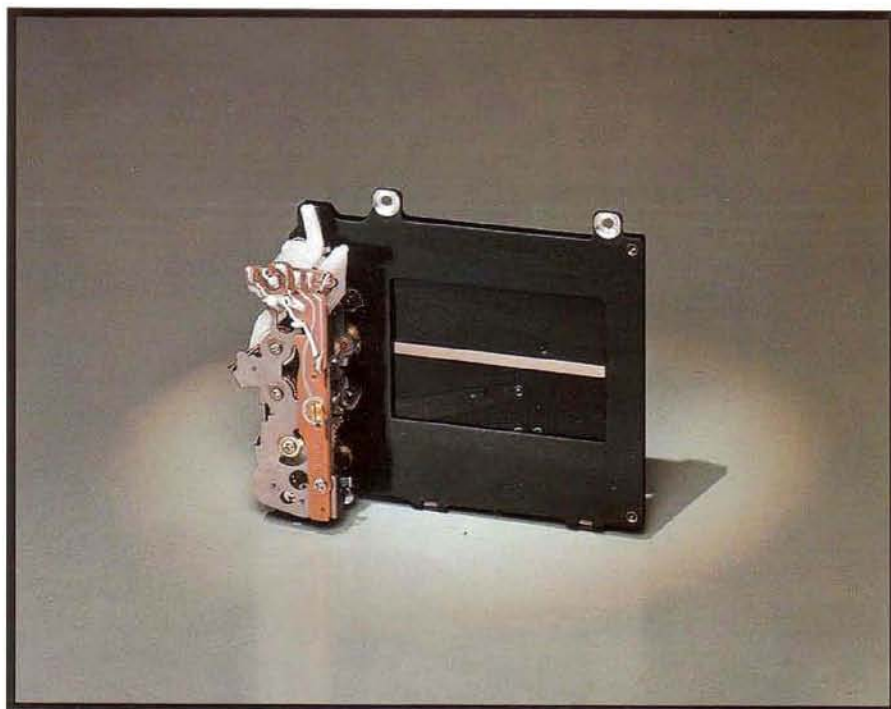
When the exposure mode dial is set to the Bulb setting, the shutter remains open indefinitely, permitting you to make interesting time exposures, such as streams of traffic lights or studies in motion using special stroboscopic lighting techniques.

conscientious designers at Pentax provided them for those people who might appreciate the added convenience. Although flash synch is fully automatic with the AF 200S Auto Flash Unit, those who already have a cordless-type flash unit or borrow a friend's can synchronize their flash units simply by turning the dial to the 1/100X setting. In addition, this setting also provides for emergency camera operation without batteries — handy in the remote case of battery failure when you are caught without spares. It may also be used for to save battery energy during blank shooting after loading the camera and serves to prevent long exposures that result if you make blank exposures on AUTO with the lens cap on.

MORE PRECISE, QUIETER RUNNING VERTICAL FOCAL-PLANE SHUTTER

Another of the fine MV "Values" is its unique Seiko MFC all-metal focal plane shutter, developed jointly by Asahi Pentax and the world-renowned Seiko watch manufacturer. Already in use in other Pentax cameras, this shutter has gained wide recognition for its accuracy, minimal noise and vibration, and durability in all temperature extremes. The shutter consists of five metal leaves which move in a vertical fan-like movement. It has an extensive range of shutter speeds which are varied steplessly from 1/1000 — 1 sec. for fine exposure control, permitting such precise speeds as 1/127, 1/128, 1/129 sec. and so on.

Moreover, its vertical-run requires less time to traverse over the focal plane than the conventional horizontal shutter, permitting such innovations as a fast 1/100 sec. flash synch (convenient for daylight flash). It also has less bulk, allowing a compact overall camera design. Totally optimized for auto exposure control, this remarkable new shutter has ushered in an entire new-generation of Pentaxes.



THE MANY, MANY MV "VALUES"



● "Magic Needle" Loading

The endless Pentax quest to offer you a better and easier-to-use camera is also responsible for this fine innovation. The film take-up spool consists of 16 "Magic Needles" — white, semi-flexible, indestructible, plastic rods — which make film loading easier than ever. You simply thrust the tip of the film leader between any two "Magic Needles," and advance the film until the film perforations engage the sprockets. Regardless of the angle at which you insert the film, the "Magic Needles" grip it firmly, completely eliminating the fuss and fumble of film loading.

① Shutter Cocked Indicator

This is another of the MV's attentive features which is yours at no extra cost. When the shutter is cocked, the small indicator window below the exposure mode dial turns red, reminding you not to press the shutter button unless you're ready to take the picture.

② Built-on Hot Shoe

This convenient device is for mounting the flash unit and other special purpose accessories directly on top of the camera. It also features special synch contacts for automatic flash synchronization with the MV's exclusively designed AF-200S Auto Flash Unit. In addition, it permits manual flash synch at 1/100 sec. when using other cordless-type flash units. A built-in circuit breaker is featured to eliminate the danger of electric shock when the flash unit is not mounted.

③ Precision Bayonet Mount Designed for Fully Automatic Diaphragm Lenses

With the long line up of SMC Pentax lenses now available, the precision Pentax Bayonet Mount ranks high on the list of MV "Values." This mount has been optimized for automatic diaphragm lenses and offers fast interchangeability — lenses lock in place with a mere quarter turn.

④ Change Lenses by "Feed Alone"

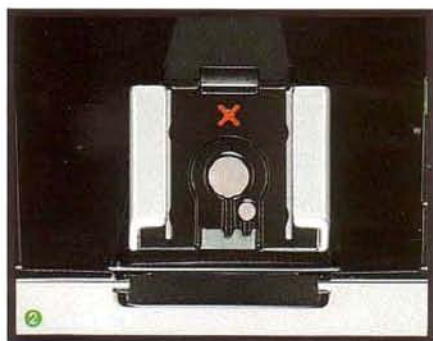
As a welcome compliment to match-the-dot lens mounting, most SMC Pentax lenses feature a special raised locator node which matches up with the locator on the camera body, permitting you to change lenses in the dark, without even taking the camera out of the gadget bag.

⑤ Comprehensive ASA Film Speed Range

Although it may not mean anything to you when you first purchase the camera, the MV features a comprehensive ASA 25 — 1600 ASA range which will permit you to utilize or experiment with a wide-range of film types when ready to do so. Shoot with Kodachrome 25 at one instant, or push a roll of Tri-X to ASA 1600 the next moment. You're free to shoot anything under the sun or in near-pitch dark, for that matter.

⑥ Exposure Compensation via ASA Dial

For difficult lighting situations, the MV also permits exposure compensation via the ASA film speed dial. Simply multiply or reduce the ASA film speed setting, to increase or decrease exposure, as required. An exposure compensation indicator dial with 2X, 4X, 1/2X and 1/4 settings is provided beneath the film-rewind crank as an exposure compensation guide, if necessary.



THE EXCITING WORLD OF SUPER-MULTI-COATING



Undoubtedly one of the greatest values awaiting the MV owner is the wide range of nearly 40 SMC Pentax interchangeable lenses. The available selection runs all the way from 15mm ultra-wide-angle to 2000mm super telephoto and includes a 17mm fisheye lens, 5 zooms, 10 wide-angles, 13 telephotos, the option of 5 standard lenses, and an assortment of special-purpose lenses including bellows, macro and shift lenses. Moreover, 17 of these lenses are the new compact M-type which were especially designed for keeping within the dimensions of the MV, ME and MX.

There's also something special about photographs taken with SMC Pentax lenses. They evidence less flare, virtually no ghost images and are astoundingly clear with remarkable color rendition. You can literally take pictures directly into the sun with them and obtain exciting results.

The rich quality of SMC Pentax lenses is the combined product of Pentax space-

age optical engineering and Super-Multi-Coating — Asahi Optical's own unique 7-layer lens-coating process that eliminates both flare and ghost images, and transmits more light for vivid colors. Reflection ratio is a mere 0.2%, while reflection control is nearly flat against the whole range of visible light. These two factors result in improved performance in almost all lighting situations. In addition, recently improved multi-coating techniques entail coating of most glass surfaces within the lens, including those which were previously cemented together, and others which were only single-coated formerly.

The effects of Super-Multi-Coating are particularly commendable with zoom lenses which have a great many individual lens elements and transmit less light than other lenses. Without any lens coating, a zoom lens transmits about 17.5% of the light. With conventional coating, transmission increases to 66.3%, while, with Super-Multi-Coating, transmission

is 95.3% — about 50% more than with conventional coatings.

Pentax Super-Multi-Coating is your assurance of quality photographs with all SMC Pentax lenses. Even the slightest reflections are minimized for pictures that are breathtakingly sharp and colors that are more vividly pronounced. Moreover, all lenses up to 300mm telephoto feature fully automatic diaphragm action with the new-generation bayonet mounting Pentax cameras.

① Effects of Super-Multi-Coating are observed in these comparisons taken against the sun. With ordinary coating, flare is induced as direct sun rays bounce off of successive lens surfaces. With Super-Multi-Coating, flare and ghosts are virtually eliminated. Ambient light bouncing off of particles of moisture in the air and other unwanted reflections are also eliminated; images are further sharpened by elimination of sidelighting.

② Light transmission with Super-Multi-Coating is an amazing 99.8%; correspondingly, glass-to-air surface reflection is a mere 0.2%.

③ Lenses undergoing Super-Multi-Coating process,



● Type	● Name of Lens	● Minimum Aperture ● Angle of View (Degrees)	● Lens Construction (Groups-Elements)	● Diaphragm	● Minimum Focusing Distance ● m. ● ft.	● Maximum Diameter & Length (mm x mm)	● Weight ● gr. ● oz.	● Filter Size (mm)
Fish-eye	 SMC Pentax Fish-Eye 17mm f/4	22 180	7-11	FA	0.2 0.66	64.5 x 34	234 8.19	BI
Ultra-wide-angle	 SMC Pentax 15mm f/3.5	22 111	12-13	FA	0.3 1.0	80 x 81.5	550 19.25	BI
	 SMC Pentax 18mm f/3.5	22 100	11-12	FA	0.25 0.79	63 x 61.5	328 11.48	BI
	 SMC Pentax-M 20mm f/4	22 94	8-8	FA	0.25 0.9	63 x 29.5	150 5.29	49
	 SMC Pentax 24mm f/2.8	22 84	8-9	FA	0.25 0.79	63 x 41.5	194 6.79	52
Wide-angle	 SMC Pentax 28mm f/2	22 75	8-9	FA	0.30 1.0	62.5 x 69	423 14.8	52
	 SMC Pentax-M 28mm f/2.8	22 75	7-7	FA	0.30 1.0	63 x 31	156 5.50	49
	 SMC Pentax-M 28mm f/3.5	22 75	6-6	FA	0.30 1.0	63 x 31.5	180 6.35	49
	 SMC Pentax 30mm f/2.8	22 72	7-7	FA	0.30 1.0	63 x 39.5	215 7.52	52
	 SMC Pentax-M 35mm f/2	22 62	7-7	FA	0.30 1.0	63 x 42	205 7.18	49
	 SMC Pentax-M 35mm f/2.8	22 62	6-6	FA	0.30 1.0	63 x 35.5	174 6.14	49
Standard	 SMC Pentax-M 40mm f/2.8	22 56	4-5	FA	0.60 2.0	63 x 18	110 3.88	49
	 SMC Pentax 50mm f/1.2	22 46	6-7	FA	0.45 1.5	65 x 48.5	385 13.48	52
	 SMC Pentax-M 50mm f/1.4	22 46	6-7	FA	0.45 1.5	63 x 37	238 8.4	49
	 SMC Pentax-M 50mm f/1.7	22 46	5-6	FA	0.45 1.5	63 x 31	185 6.53	49
	 SMC Pentax-M 50mm f/2	22 46	5-5	FA	0.45 1.5	63 x 31	170 6.0	49
Telephoto	 SMC Pentax-M 85mm f/2	22 29	4-5	FA	0.85 2.8	62.5 x 46	250 8.82	49
	 SMC Pentax-M 100mm f/2.8	22 24.5	5-5	FA	1.0 3.3	62.5 x 55.7	225 7.88	49
	 SMC Pentax-M 120mm f/2.8	32 21	5-5	FA	1.2 4	62.5 x 63	275 9.52	49
	 SMC Pentax 135mm f/2.5	32 18	6-6	FA	1.5 5	67.5 x 85.9	470 16.45	58
	 SMC Pentax-M 135mm f/3.5	32 18	5-5	FA	1.5 5	62.5 x 65.7	276 9.74	49
	 SMC Pentax-M 150mm f/3.5	32 17	5-5	FA	1.8 6	62.5 x 75	290 10.23	49
	 SMC Pentax 200mm f/2.5	32 12	6-6	FA	2.0 6.5	89 x 145	1019 35.9	77
	 SMC Pentax-M 200mm f/4	32 12	5-6	FA	2 6.5	63.5 x 111.0	405 14.18	52
Ultra telephoto	 SMC Pentax 300mm f/4	32 8	5-7	FA	4 13	85 x 188	942 32.97	77
	 SMC Pentax 400mm f/5.6	45 6	5-5	M	8 27	85 x 277	1,240 43.4	77
	 SMC Pentax 500mm f/4.5	45 5	4-4	M	10 35	126.5 x 440	3,330 116.6	52
	 SMC Pentax 1000mm f/8	45 2.5	5-5	M	30 100	143 x 738	5,250 183.8	52
	 SMC Pentax Reflex 1000mm f/11	— 2.5	4-6	ND	8 27	119 x 248	2,300 80.5	BI/52
	 SMC Pentax Reflex 2000mm f/13.5	— 1.3	4-6	ND	20 66	180 x 530	8,000 282.2	BI/52
Zoom	 SMC Pentax-M Zoom 24~35mm f/3.5	22 82.5-64.5	9-9	FA	0.5 2	64 x 48	290 10.23	58
	 SMC Pentax-M Zoom 28mm f/3.5 ~50mm f/4.5	22 75-46	10-10	FA	0.6 2.1	65 x 52	315 11.11	52
	 SMC Pentax-M Zoom 35mm f/2.8 ~70mm f/3.5	22 62-34.5	7-7	FA	1 3.5	67 x 76	470 16.58	67
	 SMC Pentax Zoom 45~125mm f/4	22 50.5-20	11-14	FA	1.5 5	69 x 127	612 21.42	67
	 SMC Pentax-M Zoom 80~200mm f/4.5	32 30-12	12-15	FA	1.6 5.5	65 x 141.5	555 19.57	52
	 SMC Pentax Zoom 135~600mm f/6.7	45 18-4	12-15	M	6 20	105 x 582	4,070 142.5	52
Macro	 SMC Pentax-M Macro 50mm f/4	32 46	3-4	FA	0.234 0.77	63 x 42.5	160 5.6	49
	 SMC Pentax-M Macro 100mm f/4	32 24.5	3-5	FA	0.45 1.48	64.6 x 77.5	355 12.43	49
	 SMC Pentax Bellows 100mm f/4	32 24.5	3-5	FA/M	— —	60 x 40	186 6.51	52
Shift	 SMC Pentax Shift 28mm f/3.5	22 75	11-12	M	0.3 1.0	80 x 92.5	611 21.39	BI

BI --- Filters built-in FA --- Fully automatic M --- Manual ND --- ND filters built-in ● --- Compact lens
 Note: Lens length does not include mount portion.



EXCLUSIVELY DESIGNED AF 200S AUTO FLASH UNIT



FLASH PHOTOGRAPHY IS EASIER-THAN-EVER, TOO

Of all the options available to the MV owner, you might term the AF 200S as the "icing on the cake." This unique, exclusively designed Auto flash unit offers the MV owner these outstanding features.

- **Automatic Flash Synch at 1/100 sec.** When you attach the AF 200S to the MV, you don't have to touch the camera controls. Just switch on the flash unit and it automatically synchronizes at 1/100 sec. on charging, while the camera remains set to the Auto mode. The AF 200S synchronizes directly via a special contact terminal embedded inside the camera's hot shoe. When you switch the unit off, the camera reverts back to the non-flash auto mode.

- **LED "X" Flash Ready Indicator inside Viewfinder**

With the AF 200S you don't have to take your eye off your subject to check whether or not the unit has charged. That's because the AF 200S also couples with a special LED "X" Flash Ready Indicator inside the viewfinder when the camera is operated on AUTO. Thus, you keep your eye trained on the subject (where it belongs) and press the shutter release button when the viewfinder LED lights.

- **Powerful Flash Range, Two-Way Auto, plus Manual**

The AF 200S also features a powerful flash range, all the way from 0.6 meter

to 7.1 meters. Two-way high and low auto flash output settings are provided, which permit use of two f-numbers when operating in the medium flash range. In addition, manual override is provided for special situations where greater aperture control is required. The AF 200S has a guide number of 20 (ASA 100 in meters) and energy-saving flash circuitry permits more than 250 flashes on a set of four alkaline AA size penlight batteries.

- **Accessory Wide-Angle, Telephoto Lens Adaptors**

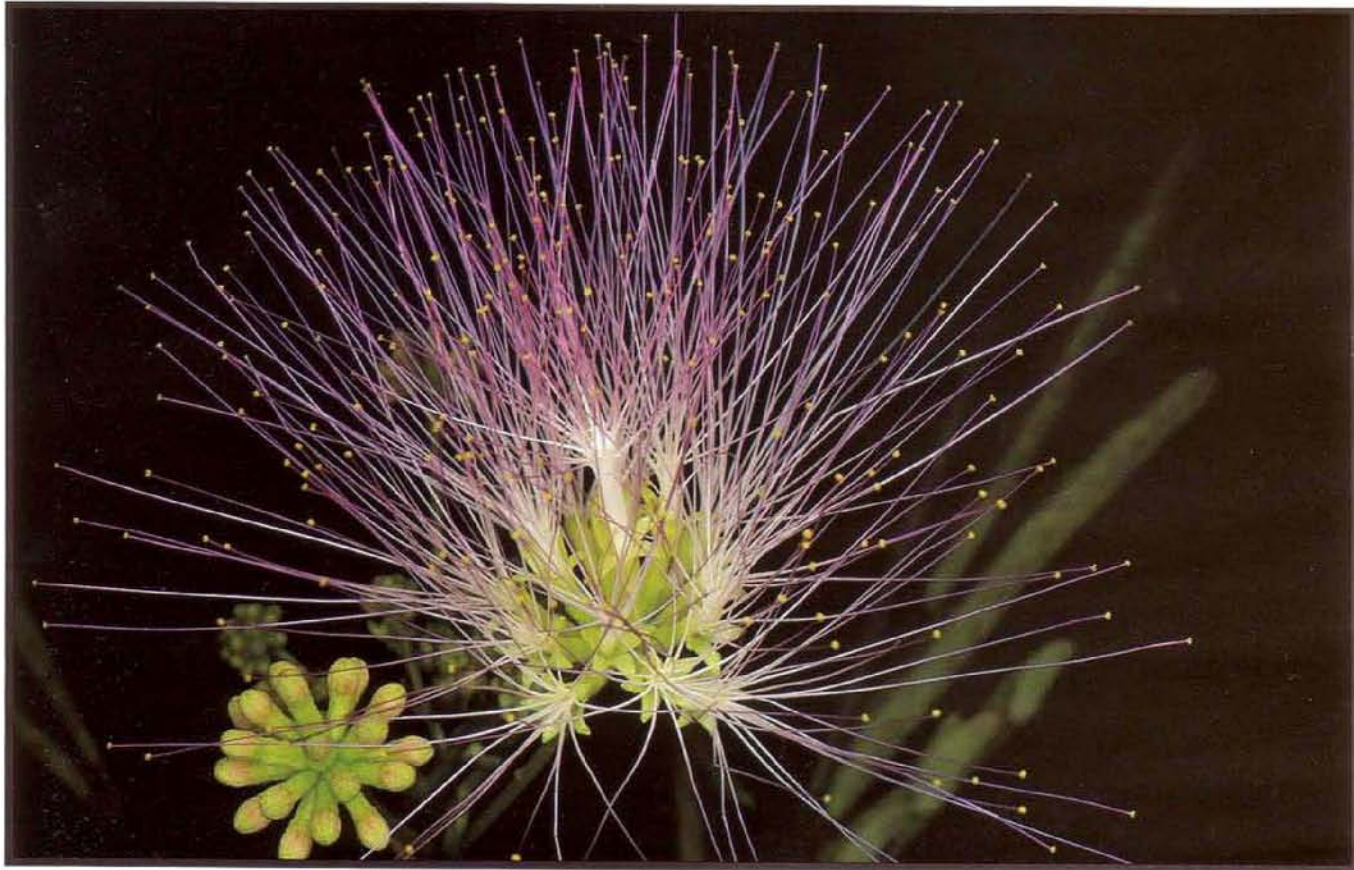
Although the AF 200S features a wide angular spread, sufficient for coverage down to a 28mm wide-angle lens, the optional AFW1 Wide-Angle Lens Adaptor is available for ultra-wide angles down to 24mm. And, for telephotos up to 135mm, the AFT1 Tele Lens Adaptor is available, offering concentrated flash beam control.



AFW1

AFT1

THE WIDE RANGE OF PENTAX SYSTEM ACCESSORIES



When you choose the Pentax MV, you are choosing a lot more than just a camera. You're choosing a complete system of photography that can grow as your needs and abilities grow. Over 200 different accessories are available to fit every photographic need under the sun, moon and rooftop. Bellows units, copy stands, slide copiers, auto bellows, extension tubes and various other close-up and macrophoto accessories are just a beginning. There are also special effects filters, eyepiece attachments, a microscope adaptor, a mirror adaptor for candid photography; even a stereo adaptor which produces 3D pictures when viewed through a special viewer. For additional information on the Pentax Accessory System please ask for the brochure "Asahi Pentax Lenses and Accessories."



SPECIFICATIONS

MV SPECIFICATIONS

Type: 35mm full-frame SLR camera with aperture-preferred automatic exposure, auto flash synch (with AF 200S Auto Flash).

Mount: Pentax Bayonet Mount.

Standard lenses:

SMC Pentax-M 50mm f/2 SMC Pentax-M 50mm f/1.7

SMC Pentax 50mm f/1.2 SMC Pentax-M 40mm f/2.8

SMC Pentax-M 50mm f/1.4

Shutter: Seiko MFC vertical-run metal focal-plane shutter; shutter speeds automatically varied between 1 sec. and 1/1000 sec.; mechanical settings of "100X" and "B" provided (operates without batteries at manual settings).

Exposure metering: Open aperture, center-weighted through-the-lens light metering via SPD cell. Exposure range from EV 3 (ASA 100, 1/4 sec. at f/1.4, 1 sec. at f/2.8) to EV 19 (ASA 100, 1/1000 sec. at f/22). Film Speed Range: ASA 25 to ASA 1600 (Exposure Compensation via ASA film speed dial. LED "Stop/Go" exposure readout in finder).

Auto flash synch: Synchronizes automatically for AF 200S Auto Flash Unit at 1/100 sec. via hot shoe with mode dial set to Auto; hot shoe contact also provided for flash ready indicator in viewfinder.

Manual flash synch: At "100X" (1/100 sec.) flash-synch setting of exposure mode dial (hot shoe synch only).

Viewfinder: Aluminum-coated pentaprism finder with split-image/micropism focusing screen; shows 92% of the picture area, 0.85X magnification with 50mm lens; -1.0 diopter eyepiece.

Viewfinder indications: Three LED Stop/Go indicator system. Red: overexposure; Green: Adequate exposure for handheld shooting (1/1000 — 1/30 sec.) Yellow: Slow Exposure Warning (below 1/30 sec., inadequate for handheld shooting) "X": AF 200S Flash ready indicator.

Mirror and diaphragm: Instant-return mirror and automatic diaphragm.

Film wind and rewind: Single-stroke rapid wind lever; plastic tipped for winding comfort, 135° advance with 30° rest setting. Rapid rewind crank for speed film rewind.

Film loading: Magic-needle quick/sure loading.

Exposure counter: Automatic reset, additive type.

Battery: Two 1.5V silver-oxide batteries LEDs double as battery check lamp.

Back cover: Standard camera back with spring catch.

Body size: 132mm x 84mm x 49.5mm.

Body weight: 420 grams (14.8 ozs.).

AF 200S SPECIFICATIONS

Type: Clip-on, two-way Auto flash unit w/manual; Thyristorized energy-saving circuitry.

Sensor reception angle: 18°.

Auto modes: Two — RED and GREEN (equivalent to high and low), via AUTO/MANUAL SELECTOR.

Apertures on AUTO:

With ASA 100	f/2.8 (Red)	f/5.6 (Green)
With ASA 400	f/5.6 (Red)	f/11 (Green)

Effective range on AUTO: RED: 1.4m — 7.1m (4.6 ft. — 23.3 ft.) GREEN: 0.6m — 3.4m (2 ft. — 11.5 ft.)

Auto recycling times: Vary continuously based on mode and subject distance (virtually instantaneous at low output; 4 — 5 sec. at high output with fresh batteries).

Guide numbers: 20 in meters (ASA 100); 40 in meters (ASA 400)

Recycling times:

Number of flashes:

Alkaline Batteries	Manganese Batteries
6 sec.	8 sec.
250	60

Flash duration: 1/30,000 sec. — 1/1,500 sec.

Color temperature: Equivalent to daylight

Flash synch: With Pentax MV: Automatically at 1/100 sec. on AUTO via hot shoe. Other cameras: As specified.

Flash ready indicators: With Pentax MV: flash ready lamp; "X" LED ready indicator in finder. Other cameras: Flash unit's ready lamp.

Test flash: Via TEST button on flash unit.

Power source: Four AA size penlight batteries (Alkaline, manganese or rechargeable NiCd)

Size: 105mm(H) x 67mm(W) x 60mm(D) (4.1 in. x 2.6 in. x 2.3 in.)

Weight: 285 grams (10.1 ozs.)

Optional accessories: AFW1 wide-angle lens adaptor (down to 24mm lens), AFT1 tele lens adaptor (up to 135mm lens).



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