

PENTAX

ME1



GO ON GREEN !

THE AUTO-EASY, AUTOMATIC PENTAX MV 1



We live in the age of computers. And in photography, as in most other fields today, computerization has come to have an enormous influence. With the more widespread use of computers in cameras, we not only obtain a better and more efficient camera, but one in which the operation is also greatly simplified.

The Pentax MV 1 represents the latest advances in computerization and its accompanying simplification of operation. The MV 1, like its companion the Pentax MV, features Pentax's latest "Go-on-the-Green" Auto Exposure Control—the simplest auto exposure system ever devised for a sophisticated SLR camera. Essentially, this means that all you need to do is shoot when the Green LED indicator lamp in the MV 1 viewfinder lights—and it lights most of the time.

Moreover, the shutter speed is completely computerized by the camera and set automatically when you release the shutter. There's not even a shutter speed dial on the camera, nor are shutter speed indications given in the viewfinder. The result is a camera that will give professional results, yet will confuse no one. Even an absolute beginner or a small child can take fabulous photographs with the MV 1.

The advantages of computerization do not stop with

the camera body alone. When the MV 1's dedicated AF 200S Auto Flash is used, you can take flash pictures while the camera remains set to AUTO, as the AF-200S couples directly with the camera's exposure system. Not only does it compute the flash exposure for you automatically, but it also lets you know when the flash unit is ready to fire through a special "X" flash ready indicator inside the camera viewfinder.

The above are just some of the features of the wonderful new Pentax MV 1. It also features many of the extras that Pentax is so famous for, such as "magic needle" loading, a memo holder, shutter-cocked indicator and even a self-timer for occasions when you wish to include yourself in the picture.

And, of course, the camera itself is only a beginning. The MV 1 also accepts the full line of over 40 SMC Pentax interchangeable lenses and the wide range of over 200 Pentax Accessories, including Winder ME, the handy automatic film winder. But, the best part of it is that even system photography is easy with the MV 1, because of its Auto-Easy exposure control.

Why not ask your dealer to show you the *Pentax MV 1* today. *The camera that gives you professional results without the need for professional knowledge.*

EXPOSURE SETTING... SIMPLY "GO ON THE GREEN!"



It would really be difficult to overstate the fact that it's EASY to get good results with the Pentax MV 1. In fact, it's unbelievably EASY thanks to Pentax's revolutionary "Go-on-the-Green" Auto Exposure Control.



Here's how it works. After you finish the preliminaries such as loading the film in the camera and setting the ASA film speed, you merely press the shutter button partway. If the GREEN indicator (LED) lights inside the viewfinder—and it usually does in daylight—just focus and take the picture. If the Green LED indicator doesn't light, but the Red or Yellow indicators do, some slight adjustments must be made—but these are no more difficult than turning the knob on your T.V.

• "Red" LED—"Overexposure Warning"

Actually, the "Red" LED rarely lights if the lens aperture is set in accordance with lighting conditions. However, when excess light enters the lens, such as when shooting against a background of bright snow, etc., the red lamp will come on to

warn against overexposure. If this happens, you simply reset the lens to a smaller aperture by turning the aperture ring to the right until the green LED indicator comes on.

• "Yellow" LED—"Slow Exposure Warning"

At sunset, in dimly lit rooms and in other situations where light is limited, the "Yellow" LED indicator inside the MV 1 viewfinder will sometimes come on. This does not necessarily indicate underexposure, but that the camera's microcomputer has selected a shutter speed slower than 1/30 second and there is a danger of picture blur. In this instance, too, you can often give yourself a green light; this time by turning the lens' aperture ring to the left to a wider lens aperture (f/4 to f/2.8 or f/2, for example).



If the green light fails to light, then shoot on the Yellow, but brace the camera firmly to minimize picture blur. Or, better still, use a tripod or the handy AF 200S Auto Flash Unit as positive assurance of good results.

• Built-in Microcomputer Does the Work for You

The latest electronic technology is the reason why we have been able to eliminate shutter speed setting with the MV 1 and make it so easy to operate. When you press the shutter button, the exposure system's quick response SPD (silicon photo diode) cell, shown below, takes a light reading and passes the information on to the camera's built-in microcomputer, 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 the lens aperture in use. As the SPD cell reads light in a center-weighted



metering pattern, primary emphasis is placed on the center of the picture for greater exposure accuracy.

THAT'S RIGHT... THERE'S NO SHUTTER SPEED DIAL!

● Go It Auto—Day or Night

We have already mentioned that because the camera sets the shutter speed for you, the MV 1 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 1, you can literally go it AUTO all the way. In fact, if you use the camera's dedicated AF 200S Auto Flash Unit, which features automatic flash synch, you can even make your flash exposures on AUTO. The MV 1 is a camera that is totally optimized for automatic shooting.

● The 100X Setting

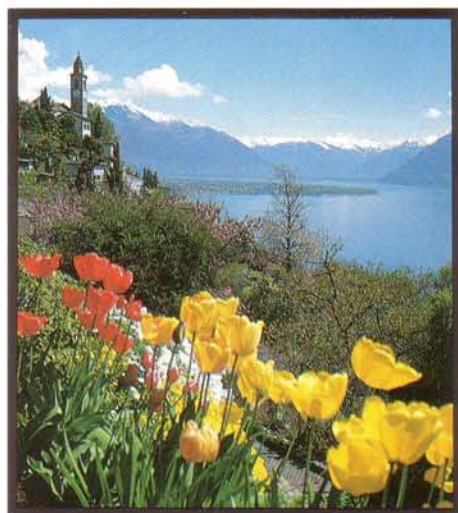
Then, why the other exposure modes if all you really need is AUTO? The conscientious designers at Pentax provided them for those people who might appreciate the added convenience. Although flash synch is fully automatic with the AF 200S Auto Flash Unit, those



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.

● The “B” (Bulb) Setting

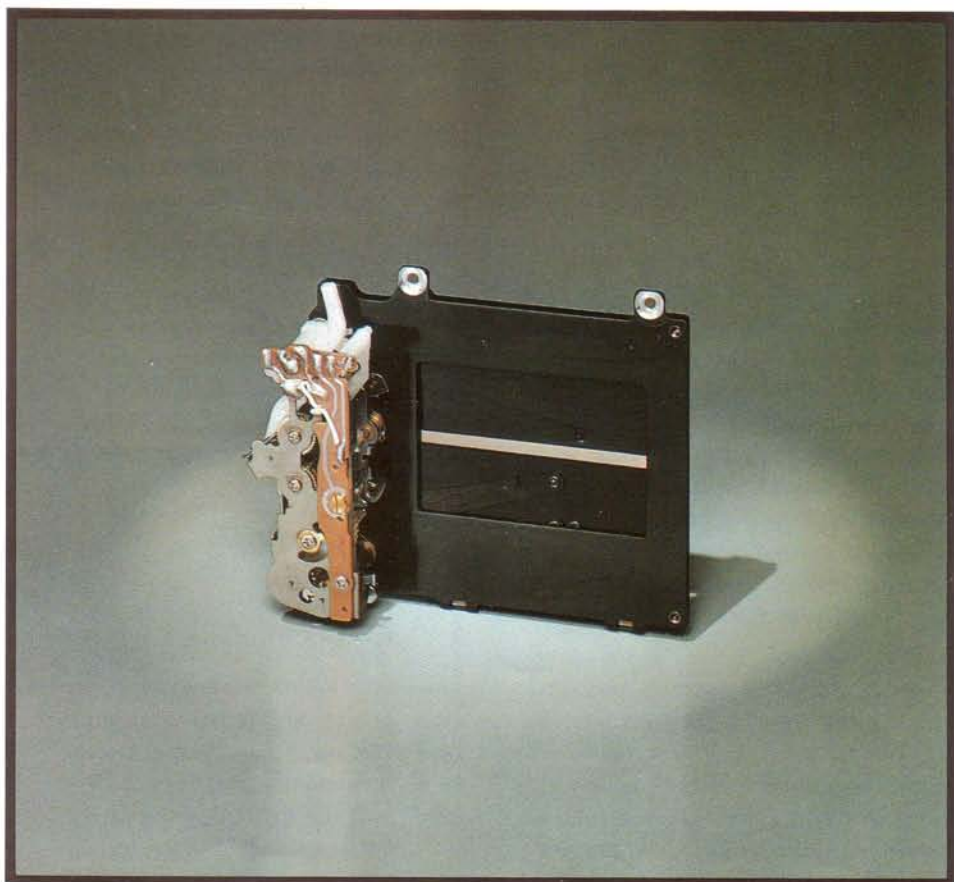
When the exposure mode dial is set to the Bulb setting, the shutter may be left opened indefinitely, permitting you to make interesting time exposures, such as streams of traffic lights or studies in motion using special stroboscopic lighting techniques.



FASTER, QUIETER VERTICAL FOCAL-PLANE SHUTTER

Another of the fine features of the MV 1 is the unique Seiko MFC all-metal focal plane shutter, developed jointly by 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 almost 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., etc., as required.

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 Pentax cameras!



IT'S COMPACT AND LIGHTWEIGHT, TOO...

The Pentax MV 1 is as easy to handle as it is to operate. Along with the MV, MX and ME, it is a member of a quartet of the smallest and lightest 35mm single-lens-reflex cameras ever made. The body weight alone is a mere 425 grams. Even with the 50mm f/2 lens attached, it's still remarkably light at 595 grams. Moreover, with the Pentax 40mm f/2.8 "pancake" standard lens mounted, it weighs only 535 grams!

In terms of strength, features and handling ease, however, the MV 1 is a giant. Along with the other compact Pentax cameras, 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 1's well-rounded corners and contoured edges enable it to rest perfectly in your hands, with all the controls falling in the right place.



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 1 is a camera that has been human-engineered for perfect handling ease.

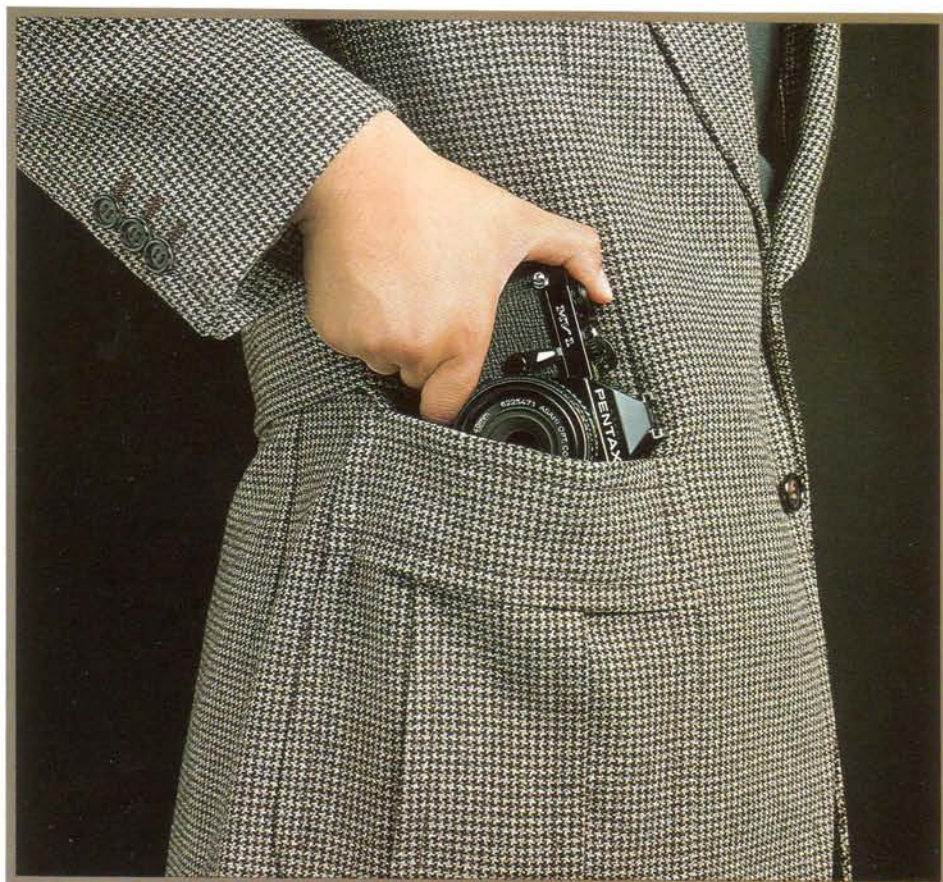


EVEN "POCKETABLE"—WITH THE AMAZING 40mm STANDARD LENS!

One might think it is convenient enough that the MV 1 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 the 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.

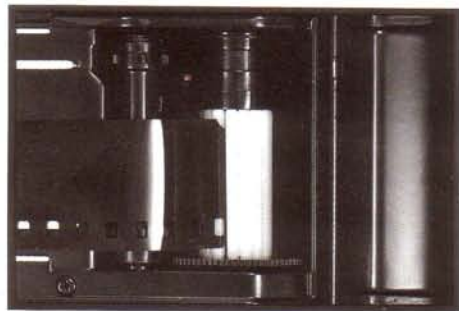
The SMC Pentax-M 40mm "pancake" lens, just another of the many options awaiting the MV 1 photographer.



AND, MANY ATTENDANT PENTAX FEATURES...

• "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, 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.



• Self-Timer

The self-timer can be used when desiring to appear in the picture. It can also be used in lieu of a cable release in emergencies, as it will trip the shutter without vibrating the camera. To cock the self-timer lever, simply rotate it downward. Then, just give the lever a slight upward push and it will immediately start to operate. In other words, the self-timer lever functions as its own start lever. This new design completely does away with the small, difficult to manipulate self-timer start button which is found on many cameras.



• 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 1 features. This mount has been optimized for automatic diaphragm lenses and offers fast interchangeability—lenses lock in place with a mere quarter turn.



• 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 1's dedicated AF-200S Auto Flash Unit. In addition, it permits manual flash synch at 1/100 sec. when using other ordless-type flash units. A built-in circuit breaker is featured to eliminate the danger of electric shock when the flash unit is not mounted.



• Shutter Cocked Indicator

This is another of the MV 1's attendant 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.



• Memo Holder

Just slip the end of the film box into the convenient memo holder on the back of the camera, and you will know instantly what type of film is loaded in the camera.



• Comprehensive ASA Film Speed Range

Although it may not mean anything to you when you first purchase the camera, the MV 1 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.



• Exposure Compensation via ASA Dial

For difficult lighting situations, the MV 1 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 1/4X settings is provided beneath the film-rewind crank as an exposure compensation guide.



THERE'S EVEN A 'DEDICATED' AUTO FLASH... PENTAX AF 200S

MAKES FLASH PHOTOGRAPHY EASIER THAN EVER

Of all the options available to the MV 1 owner, the AF 200S Auto Flash Unit is certainly one of the finest. This high precision auto flash unit serves as the "dedicated" flash for both the Pentax MV 1 and the Pentax MV as well. It offers the following outstanding features.

- **Automatic Flash Synch at 1/100 sec.**
When you attach the AF 200S to the MV 1, 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 in the camera's hotshoe. Switch the unit off, and 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.



AFW1



AF1

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

The AF 200S also features a powerful flash range, all the way from 0.6 to 7.1 meters. Two-way high and low auto flash output settings are provided, which permit a choice 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). Thyristorized energy-saving circuitry permits more than 250-flashes on a set of four alkaline AA size penlight batteries.

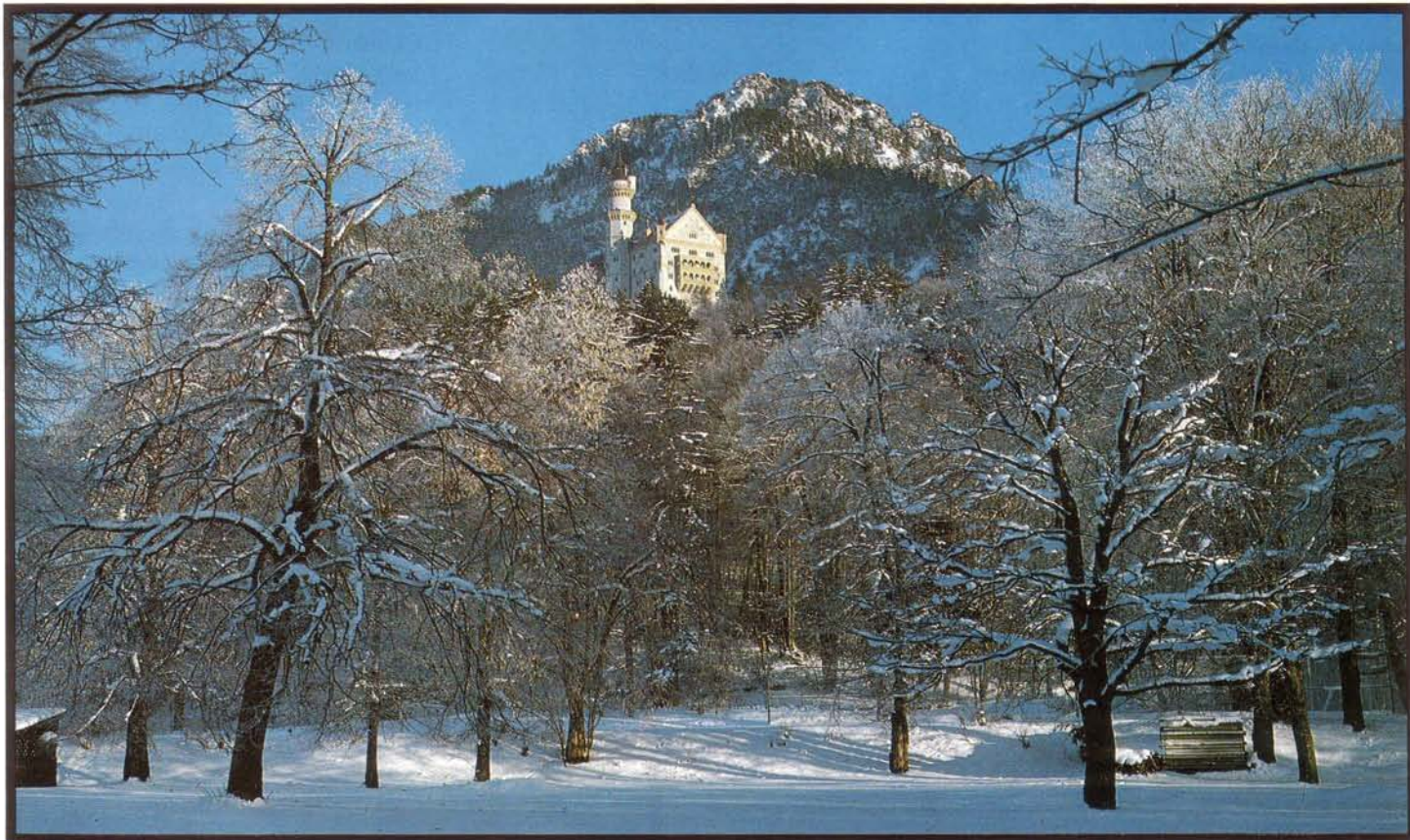
- **Accessory Wide-Angle, Telephoto Lens Adaptors**

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 offers concentrated flash beam.



THE EXCITING WORLD OF SUPER-MULTI-COATING



Undoubtedly one of the greatest thrills awaiting the MV 1 owner is the wide range of over 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, 7 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, 22 of these lenses are the new compact M-type which were especially designed for keeping within the dimension of the MV 1, 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 of the setting sun 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 greatly eliminates 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

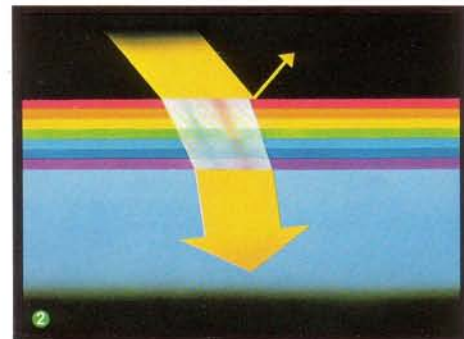
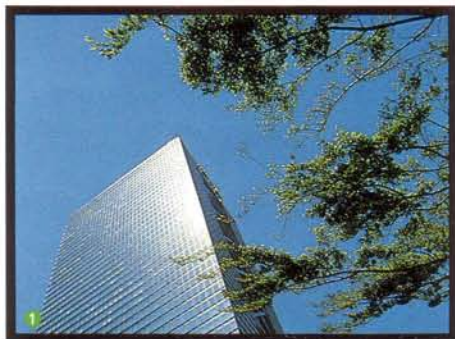
conventional coatings.

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 (excepting the 28mm shift lens) 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		● Maximum Diameter & Length (mm x mm)	● Weight		● Filter Size (mm)
		mm	ft.				m.	ft.		gr.	oz.	
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	195	6.88		52
WIDE-ANGLE	SMC Pentax 28mm f/2	22	75	8-9	FA	0.30	1.0	62.5 x 69	400	14.11		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	206	7.27		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	111	3.91		49
	SMC Pentax 50mm f/1.2	22	46	6-7	FA	0.45	1.5	65 x 48.5	391	13.79		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	165	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	224	7.90		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	483	17.04		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	950	33.51		77
	● SMC Pentax-M 200mm f/4	32	12	5-6	FA	2	6.5	63.5 x 111	400	14.11		52
ULTRA TELEPHOTO	SMC Pentax 300mm f/4	32	8	5-7	FA	4	13	85 x 188	1,020	35.98		77
	● SMC Pentax-M 400mm f/5.6	45	6	5-5	FA	5	17	85 x 276.5	1,220	43.0		77
	SMC Pentax 500mm f/4.5	45	5	4-4	M	10	35	126.5 x 440	3,366	118.72		52
	SMC Pentax 1000mm f/8	45	2.5	5-5	M	30	100	143 x 738	5,294	186.72		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 24mm ~ 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-M Zoom 40mm f/2.8 ~ 80mm f/4	22	57.2-30.9	7-7	FA	1.2	4	65.5 x 76	395	13.93		49
	SMC Pentax Zoom 45mm ~ 125mm f/4	22	50.5-20	11-14	FA	1.5	5	69 x 127	612	21.42		67
	● SMC Pentax-M Zoom 75mm ~ 150mm f/4	32	32.1-16.5	9-12	FA	1.2	4	63.5 x 111	465	16.40		49
	● SMC Pentax-M Zoom 80mm ~ 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 135mm ~ 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	167	5.89		49
	● SMC Pentax-M Macro 100mm f/4	32	24.5	3-5	FA	0.45	1.48	64.6 x 77.5	357	12.59		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	32	75	11-12	M	0.3	1.0	80 x 92.5	611	21.39		BI

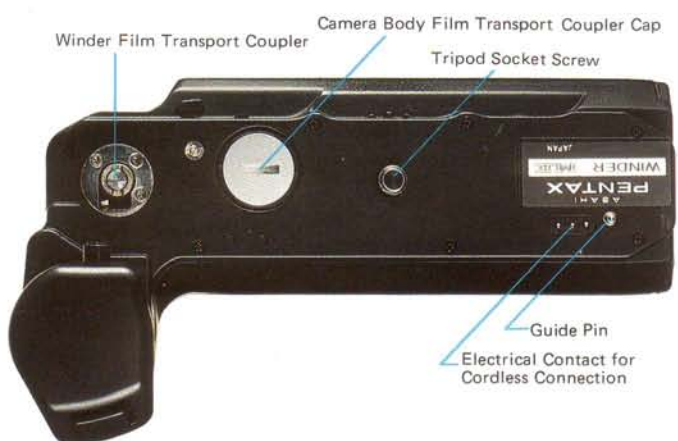
BI Filters built-in FA Fully automatic M Manual ND ND filters built-in ● Compact lens
 Note: Lens length does not include mount portion.



WINDING THE BLUES AWAY



Trigger Release Button



Winder Film Transport Coupler

Camera Body Film Transport Coupler Cap

Tripod Socket Screw

Guide Pin

Electrical Contact for Cordless Connection



● Winder ME

The purr of the automatic film winder is one of the most exciting sounds of photography, and the winder itself is one of its handiest tools. The MV 1 was designed for use with Winder ME, an extremely compact and lightweight automatic film winder that affords you both the convenience and the pleasure of automatic film advance. Already well tested in the field with the Pentax ME, this high performance winder attaches to the tripod socket at the base of the camera in seconds. In addition to winding the film for you after each individual exposure, at the mere turn of a dial it switches to the consecutive mode, permitting fast action shooting at an approximate rate of 1.5 frames-per-second. Moreover, each time the film advances, the camera's automatic exposure system responds instantly to the slightest variation in lighting to give you optimum exposure for every shot.

Specifications

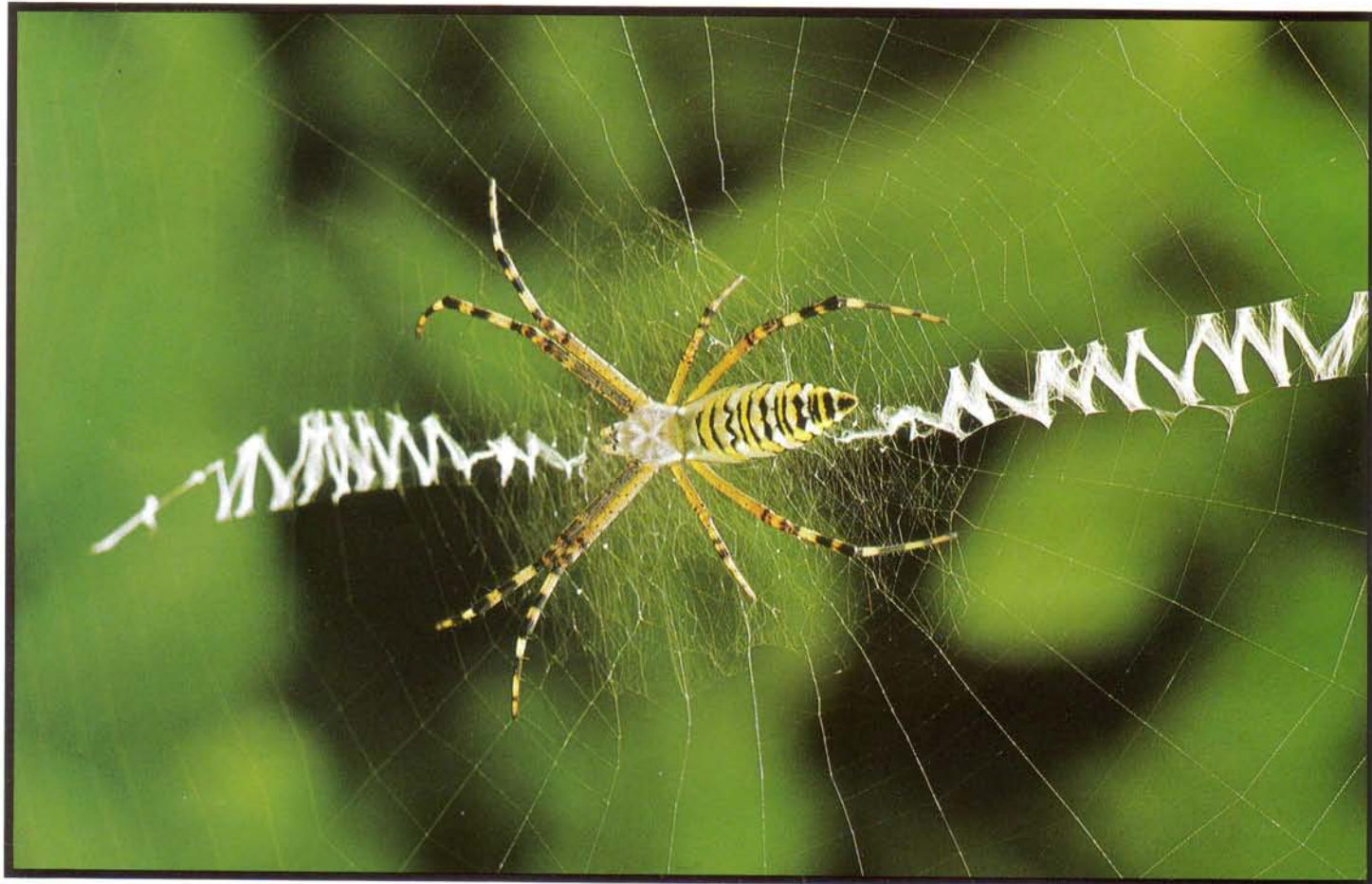
Power Source:	6 manganese or alkaline penlight batteries (9V).
Film Transport Rate:	Single-frame exposure, or consecutive exposures at up to approx. 1.5 fps
Shutter Release:	Via built-in Trigger Release Button on the Winder Grip.
Usable Shutter Speeds:	All shutter speeds, AUTO (1/1000—8 sec.) or Manual (100X), but B (Bulb) are usable for single-frame or consecutive exposure operation.
Film Advance Indicator:	A red LED illuminates when film advances.
Tripod Socket:	Built-in standard tripod socket for mounting the unit (with camera attached) to a tripod.
Dimensions & Weight:	Winder ME: 145mm L x 90.5mm H x 78mm D 390 g (w/batteries) MV 1 body & Winder ME: 145mm L x 112mm H x 78mm D 855 g (w/batteries)



● Dial Data ME

The MV 1 also features a removeable camera back which is quickly detached for use of Dial Data ME, an electronic data printing device which makes it possible to print the date and other photo data directly onto each frame as the exposure is made. Highly convenient for use in home, school or industry for classifying photos or merely dating snapshots.

ENTER THE FASCINATING WORLDS OF CLOSE-UP, MACRO AND SPECIAL PURPOSE PHOTOGRAPHY



THE VAST ARRAY OF PENTAX SYSTEM ACCESSORIES

When you choose the Pentax MV 1, 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 virtually every photo 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. When used in conjunction with the comprehensive line-up of SMC Pentax Interchangeable Lenses, Pentax Accessories greatly extend the scope of your photography. Moreover, as the MV 1's automatic exposure system still does the complicated exposure work for you with almost all of our accessories, special-effects photos and fascinating close-ups are often as easy to make as snapshots. Added to your system a little at a time, you will find that Pentax Accessories fit into your budget

without difficulty.

For more detailed information on the Pentax Accessory System please ask for the brochure "Pentax Lenses and Accessories."



SPECIFICATIONS

MV 1 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).

Self-timer: Delays shutter release 4 ~ 10 seconds.

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 hotshoe with shutter dial set to Auto; hotshoe contact also provided for flash ready indicator in viewfinder.

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

Viewfinder: Aluminum-coated pentaprism finder with split-

image/microprism 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 speedy film rewind.

Automatic winder: MV 1 camera body accepts Winder ME with both single-frame and consecutive automatic film winding capability; winding speed: 1.5 frames-per-sec. in consecutive mode.

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 back with memo holder, interchangeable with Dial Data ME for data recording on film.

Body size: 132mm x 84mm x 49.5mm

Body weight: 425 grams (15 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 1: Automatically at 1/100 sec. on AUTO via hot shoe. Other cameras: As specified.

Flash ready indicators: With Pentax MV 1: 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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