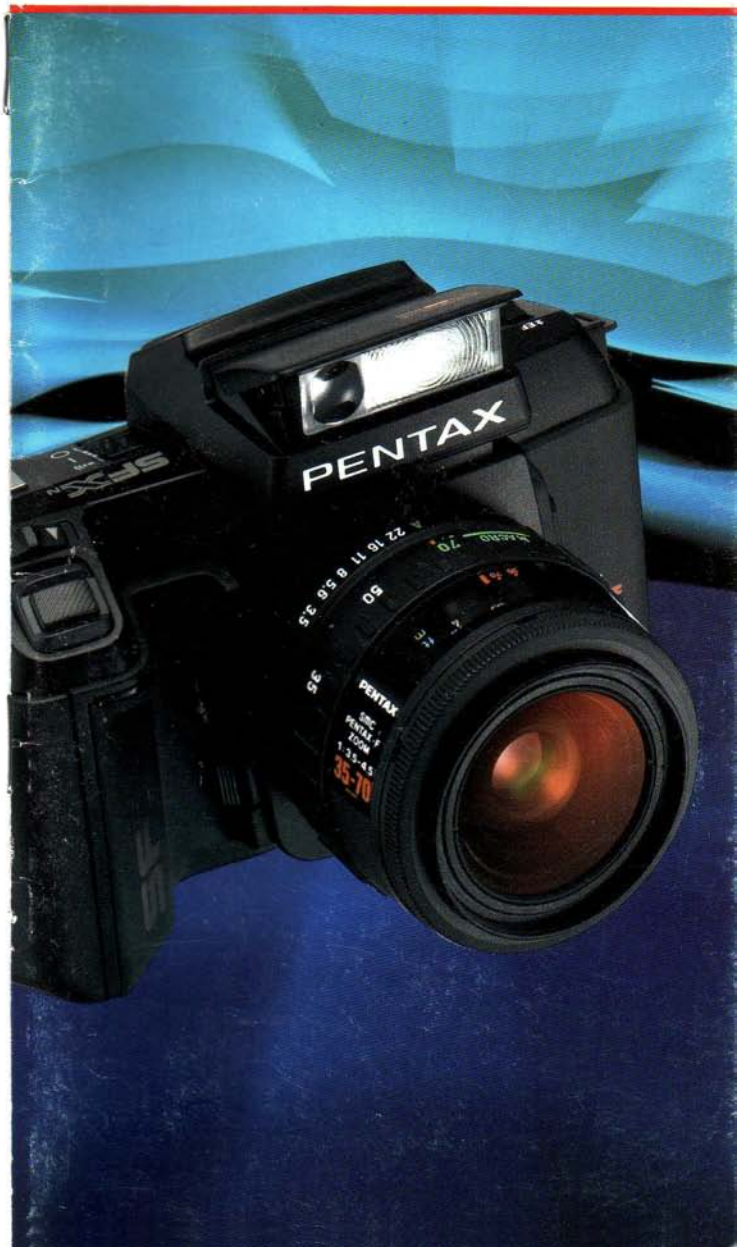
PENTAX

SFXN

Multi-Program Auto-Focus 35mm SLR with Retractable TTL Auto Flash



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The Pentax SFXN makes quality SLR photography simpler, easier and faster than ever before.

The Pentax SFXN represents a new generation of auto-focus 35mm SLR cameras that offer even higher levels of sophistication and performance. Equipped with a broad range of advanced technologies and convenient features, the SFXN will perform superbly under difficult conditions to meet the demands of even the most exacting photographer.

The extremely fast, accurate auto-focus system and sophisticated Programmed AE modes set the photographer free from complicated focus and exposure adjustments while the convenient built-in RTF (Retractable TTL Auto Flash) gives your subject an additional illumination whenever you need it. Its AF spotbeam projector even assists the camera's AF system in the dark.

Besides the unique CENTIC (Central Information Cluster) display panel, the SFXN offers a host of user-friendly features to enhance ease of operation and versatility for every level of photographer. Auto exposure bracketing, 1/4000-second shutter speed, multi-frame self-timer and built-in film winder are just a few examples.

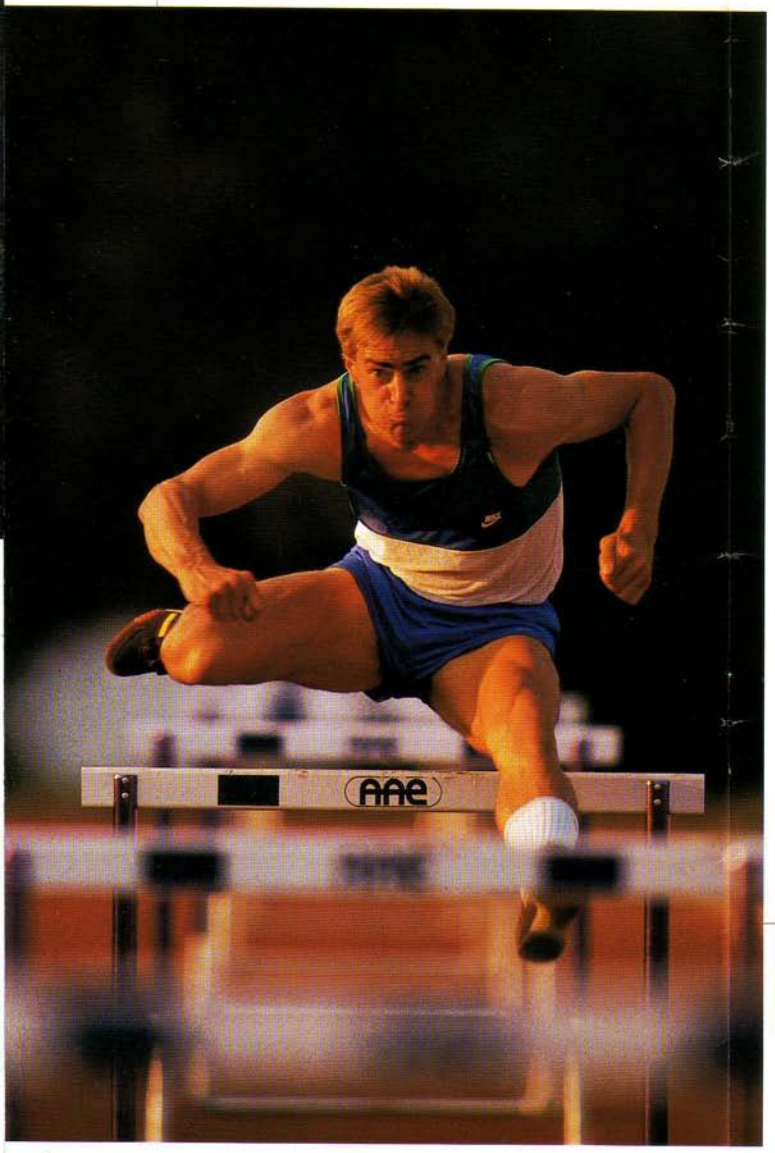
In addition to a full range of SMC Pentax-F AF lenses, Pentax offers the SMC Pentax-F AF Adapter 1.7X to convert existing Pentax lenses into auto-focus lenses with the SFXN.

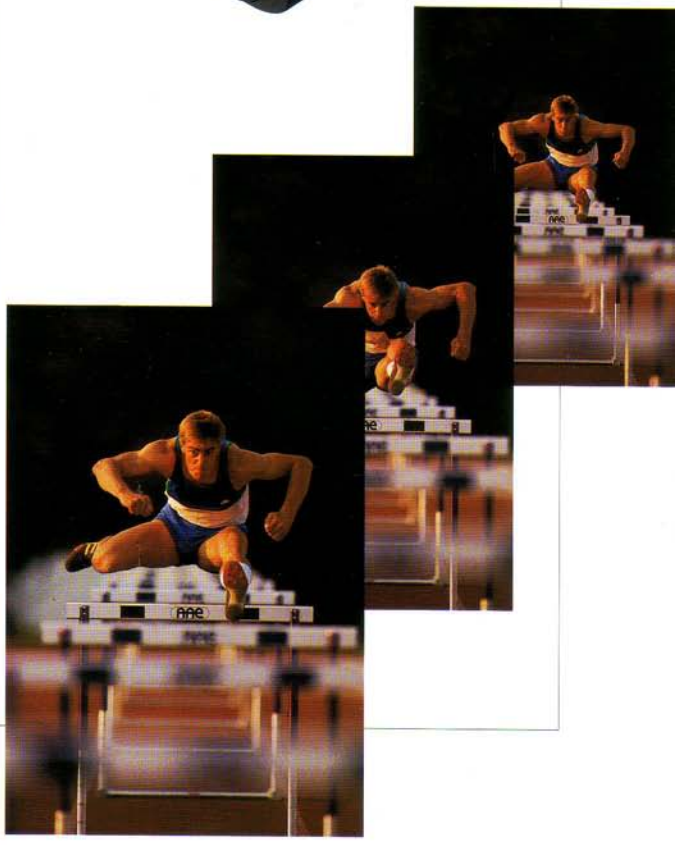
With its unmatched performance, versatility and reliability, the Pentax SFXN is an outstanding AF SLR camera.

Super Focus

The AF Single mode captures a subject in perfect focus every time.

The AF Servo mode offers continuous focus ing on an active subject.



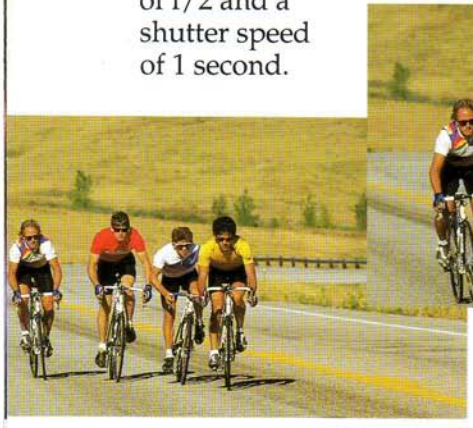


Reliable AF Single

This mode ensures pinpoint focusing accuracy frame after frame because the shutter can be released only when the subject is captured in optimum focus. This versatile mode is useful not only in normal photography, but also in macro photography, in which focusing is most critical yet manual focusing is difficult. This mode also enables the photographer to use the focus lock function to add creative freedom to automatic convenience.

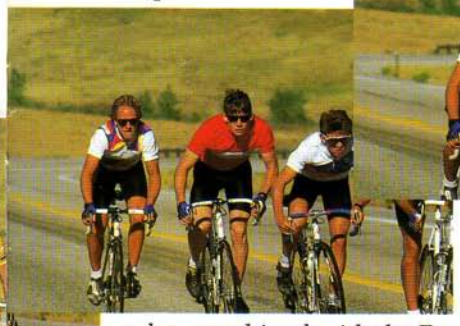
A choice of AF modes promises optimum sharpness in every situation.

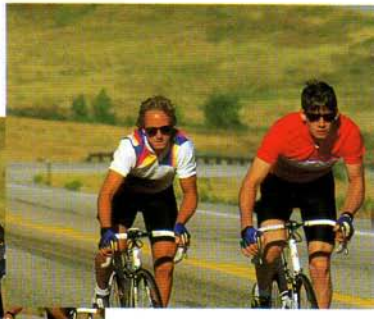
The SFXN's two advanced auto-focus modes — AF Single and AF Servo — assure optimum performance and maximum versatility with minimum effort, so the photographer is able to select the mode that best suits the subject. In either mode, the SFXN guarantees exceptional speed and accuracy; it can focus on the subject in less than 0.3 second (from infinity to 0.7m using an SMC Pentax-F 35mm—70mm f/3.5—f/4.5 lens) even under such unfavorable lighting conditions as 2EV, which requires an aperture of f/2 and a shutter speed of 1 second.



Responsive AF Servo

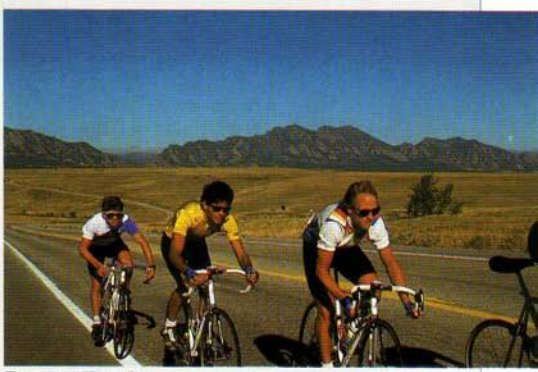
Unlike the AF Single mode, this mode allows the photographer to keep adjusting the focus on a subject in motion and to release the shutter anytime, making it possible for the photographer to capture the subject at a decisive moment. It is designed to offer maximum versatility and performance when combined with the Program Action exposure mode and the consecutive-advance film winder mode.





Programmed operation takes the trouble out of exposure adjustment.

Program Action



Program Depth

Auto Bracketing

Program variation optimizes image quality for all types of subject.

Normal Program

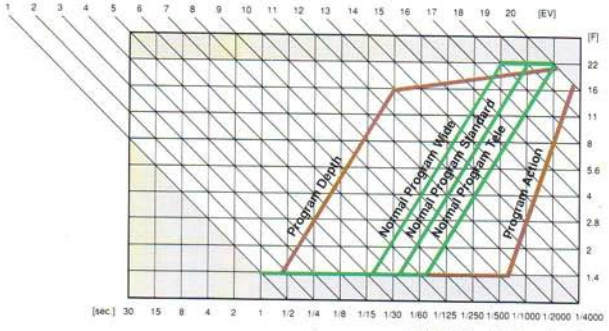
Wide

Standard

Tele

The SFXN offers the photographer a choice of three sophisticated Programmed AE modes to ensure maximum creative freedom without sacrificing the convenience of fully automated exposure control. The Normal Program mode guarantees the correct exposure and the highest image quality in most situations by automatically shifting the program according to the focal length of the lens. The Program Action mode selects a faster shutter speed to capture action while the Program Depth mode extends the depth of field for sharply focused details throughout the image.

Metering Range & Programmed AE Chart



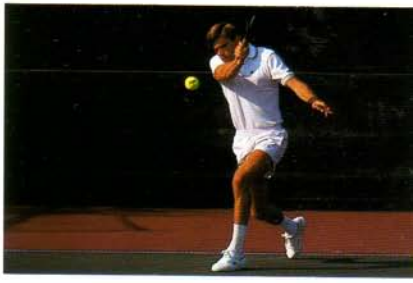
(At ISO 100 with 50mm f/1.4 lens)

Versatile Normal Program

Most versatile of all the SFXN's exposure modes, the Normal Program mode is designed to assure the optimum exposure to produce the best image quality in most situations without any input from the photographer. It automatically selects one of the sub-modes — Program Wide, Program Standard or Program Tele — according to the lens focal length when an SMC Pentax-F lens is mounted, maximizing the performance of each lens. It also helps prevent camera shake with telephoto lenses.

Instantaneous Program Action

This mode selects a faster shutter speed to freeze an action and also to prevent blurred images caused by camera shake with telephoto lenses beyond the capability of the Normal Program's Program Tele sub-mode. It is extremely useful in sports and action photography.



Descriptive Program Depth

This mode selects a smaller aperture (or a larger f- number) to increase the depth of field — especially with telephoto lenses — for sharply focused details over a wider range of the image field, making it ideal for landscapes and scenic snapshots.

The RTF is an easy answer for poor lighting situations.

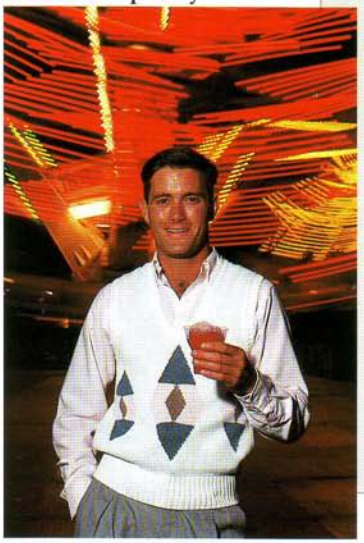
What distinguishes the SFXN from most other AF 35mm SLRs marketed today is its unique built-in flash unit called the "RTF" (Retractable TTL Auto Flash), which enables the photographer to deal with poor lighting conditions without an extra flash unit.

Just a push on the flash pop-up button exposes the RTF above the pentaprism housing and activates its circuitry. It will be fully charged and ready for shooting in just three seconds. The advanced TTL flash control system automatically adjusts the amount of discharge according to the subject's distance and lighting conditions. Even complicated flash techniques such as slow-shutter-speed sync, daylight sync and multi-flash (in combination with a dedicated flash unit connected to the hotshoe), can be performed quite easily with this system.

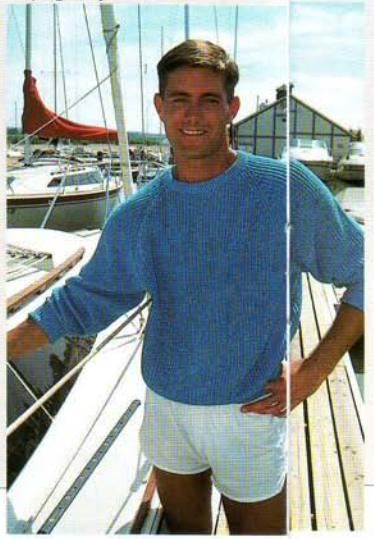
Another outstanding capability of the RTF is its AF spotbeam projector, which automatically casts a special striped pattern onto the subject up to 4m away to assist the camera's auto-focus system in the dark.

The RTF and its AF spotbeam projector together make the SFXN a great performer both day and night.

Slow-shutter-speed Sync



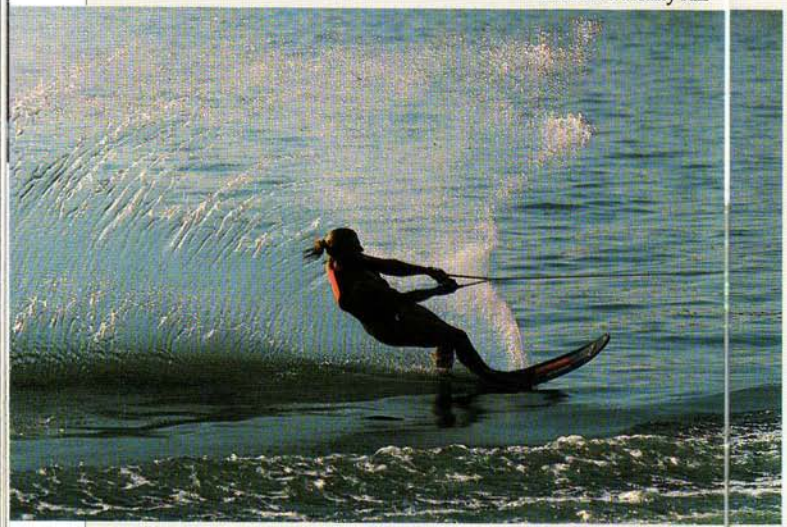
Daylight Sync



More exposure modes for greater freedom of expression.

Even though three sophisticated Programmed AE modes are sufficient to produce quality photographic images with ease in most situations, the photographer may sometimes want greater control over one or more exposure factors to create specific visual effects. The SFXN offers three adjustable exposure modes for those times. With a total of six exposure modes to choose from, the photographer can select the one that best suits the purpose and requirements of his or her individual expression.

Shutter-Priority AE



Metered Manual

Aperture-Priority AE to emphasize depth of field

The Aperture-Priority AE mode allows the photographer to control the depth of field for distinctive visual effects — either by reducing it to secure sharp focus only on the subject while throwing foreground and background out of focus, or by increasing it to capture all elements of the image in crisp focus. When a desired aperture is set on the lens, the camera automatically selects an appropriate shutter speed for optimum results.

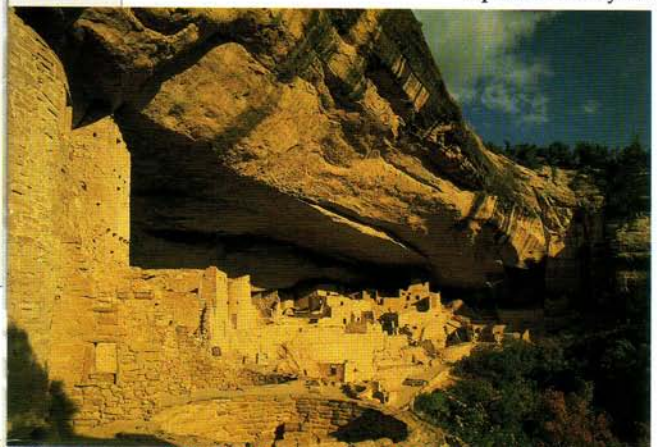
Shutter-Priority AE to emphasize movement

The Shutter-Priority AE mode lets the photographer emphasize the motion of the subject — either by using a fast shutter speed, up to 1/4000 second, to capture a decisive moment, or by selecting a slow speed to stress the movement. Once a desired shutter speed is selected manually, the camera automatically sets an optimum aperture according to lighting conditions.

Metered Manual to dramatize images

The Metered Manual mode gives the photographer the ultimate control over visual expression. It allows the photographer to select both a shutter speed and an aperture manually, making it possible to create extraordinary effects beyond the capability of the automatic exposure modes — for example, by overexposing the subject for a high-tone, washed-out image, or by underexposing it for a silhouette effect.

Aperture-Priority AE



A wide array of user-friendly features for easy operation.

The SFXN incorporates a number of distinguished features to help the photographer in a variety of situations. Some are designed to produce better results while others make operation easier. For example, the auto bracketing function simplifies a complicated bracketing technique often employed by professional photographers while the multi-frame self-timer mode eliminates the need to keep resetting the self-timer.

Auto bracketing for exposure variations

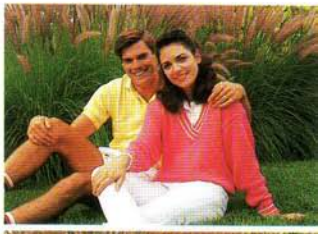
Even though it is ideal to get the best image from a single exposure, the fact is that it often requires a few exposure variations to get it. That is why professional photographers use the bracketing technique to produce a satisfying image out of several different exposures. However, this technique is sometimes too complicated and troublesome for amateurs.

The SFXN's auto bracketing function is the easiest solution to this problem. It allows the photographer to take three exposure variations of the same situation — normal, under (–0.3EV) and over (+0.3EV) — without making troublesome adjustments.

Another way to take advantage of this special function is to manually select different exposure compensation values (from the range of ±4 EV) to produce dramatic visual effects — extremely high- and low-tone images in addition to a correctly exposed one — without complicated calculations and adjustments.

Self-timer for three memories in one shot

The electronic self-timer delays the shutter release by approximately 12 seconds to allow the photographer to join the party. The shutter release delay is indicated by the flashing of a self-timer lamp and a PCV tone, both of which become faster in the final two seconds. A unique function of this self-timer is its multi-frame mode, which takes three pictures in succession after a single shutter release, so the photographer no longer has to go back and forth to reset the self-timer. This mode can be used in combination with the RTF for indoor and nighttime shooting as well. Self-timer operation can be cancelled by either turning the main switch off or pushing the exposure-mode clear button.



Focus lock for more creative framing

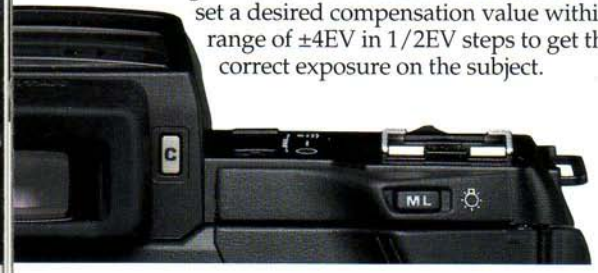
This function allows the photographer to move the subject away from the center of the image for a more creative, dramatic composition. Just place the subject at the center of the viewfinder, press the shutter release button halfway down, hold it while recomposing the photo, then push the button all the way down to make the exposure.

Two ways to handle extreme lighting conditions

When the subject is under a difficult lighting condition or against a high-contrast background, it is often exposed incorrectly in the picture. The SFXN offers two devices to solve this problem.

The exposure-memory lock is used when the photographer can approach the subject close enough so that it occupies most of the viewfinder area. Using the shutter release button and the ML button, memorize the measured exposure value, which can be extended as long as the shutter release button is held halfway down. Then, move back, recompose the image and release the shutter. The exposure memory can be extended by holding the ML button pushed as well.

The exposure compensation function is useful especially when the subject is not approachable and the exposure-memory lock is impractical. Using the ±EF/ISO switch and the select switch, set a desired compensation value within a range of ±4EV in 1/2EV steps to get the correct exposure on the subject.



Exposure-mode clear button to reset all controls

One push on this button returns all exposure settings to the Normal Program mode, the film winder mode to single-frame advance and the exposure compensation value to "±0." It also cancels self-timer operation.

Viewfinder with built-in diopter adjustment for clearer image

The SFXN's viewfinder provides a clearer, sharper and brighter image than even before, thanks to the new Aspheric-Micro-Matte focusing screen. And the diopter adjustment mechanism built into the viewfinder eyepiece has a wide adjustment range between -2.5 and +1.5 for those who need eyesight correction.

The viewfinder also offers a variety of information to the photographer. Along its right side are

indications on important exposure data such as the exposure mode, shutter speed and out-of-meter coupling range warning. At the bottom are focus indicators that show the photographer the focusing condition of the subject (front focus, in focus or back focus). They also help the photographer find the optimum focus point faster and easier in manual focusing.

Auto film winder for effortless film handling

A built-in film winder sets the photographer free from troublesome film handling. It takes care of film loading, first-frame positioning, film advance and film rewinding. The winder offers two film advance modes — the single-frame advance and the consecutive advance (2.2 frames per second). In addition, the ISO film speed is automatically set by the camera for DX-coded film.

CENTIC illuminator for bright guidance in the dark

When shooting in the dark, the CENTIC illuminator enables the photographer to check important data on camera's operation. One push on the ML button turns the green illumination on for approximately eight seconds.

Advanced CENTIC display for swift operation.

The large CENTIC display panel contributes tremendously to the accurate, effortless operation of the SFXN. It provides a full range of information — from exposure mode to film winder operation — by receiving signals from the camera's microcomputer. This means that the photographer is fully informed of exposure and other data affecting the photographic image at a glance.

The CENTIC panel is situated in an ideal location at the back of the pentaprism housing just above the viewfinder eyepiece and is slanted toward the photographer. For fast, easy recognition, a variety of marks and pictographs are used instead of letters and numbers. Such features add up to faster, smoother visual confirmation of operational data before and during shooting.

±EF/ISO switch

- "±EF" (exposure compensation) position: used to set exposure compensation value within a range of ±4EV in 1/2EV steps.
- "ISO" (film-speed) position: used to set an ISO film-speed setting manually for non-DX-coded film or to intentionally override the automatic film-speed setting for DX-coded film.

MODE/DRIVE switch

- "MODE" (exposure-mode) position: used to select an exposure mode from the Normal Program, Program Action, Program Depth, Aperture-Priority AE, Shutter-Priority AE and Metered Manual modes.
- "DRIVE" (film-advance/self-timer) position: used to select a film advance mode (single-frame advance or consecutive advance) or a self-timer mode (single-frame or multi-frame).

Select switch

This switch shifts a value or mode for various factors by itself or in combination with other control switches.

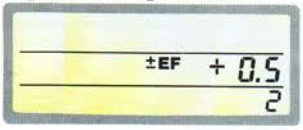
- By itself: used to shift a shutter speed in the Shutter-Priority AE and Metered Manual modes.
- With the ±EF/ISO switch: used to adjust an exposure compensation value at the "±EF" position or to set an ISO film speed manually at the "ISO" position.
- With the MODE/DRIVE switch: used to select exposure mode at the "MODE" position or to set film-winder mode or self-timer mode at the "DRIVE" position.

The CENTIC panel provides useful information at a glance.

Exposure Adjustment

Auto Bracketing

Exposure Compensation



DX Film-speed Override

Mode

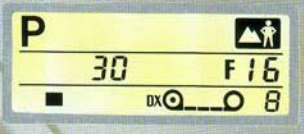
Normal Program Standard

Normal Program Tele

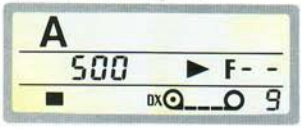
Normal Program Wide

Program Action

Program Depth



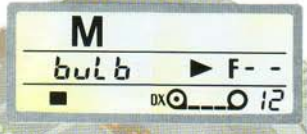
Aperture-Priority AE



Shutter-Priority AE

Metered Manual

Bulb



TTL Auto Flash (with RTF)

Self-timer

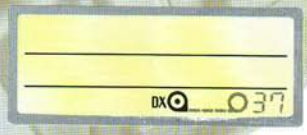
Single-frame

Multi-frame

Others

Film Loading

Film End



Battery Warning

■ . . . *Indicates flashing of the marks.*

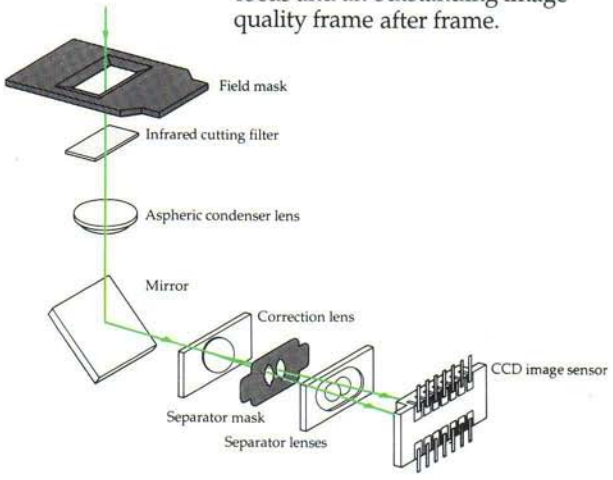
Up-to-the-minute technology for optimum performance and reliability.

Pentax has combined its entire range of research and engineering techniques with the latest computer technologies to develop a number of innovative systems for the SFXN. Thanks to these advanced systems, the SFXN offers the photographer tremendous photographic versatility, remarkable ease of operation and, best of all, top-quality results.

Reliable auto-focus system

The SFXN's high-performance CCD phase-matching system guarantees unmatched auto-focus accuracy even for poorly illuminated, low-contrast subjects, thanks to the specially developed AF sensor unit. The advanced lens driving mechanism moves the lens to the focusing point with exceptional speed and outstanding accuracy and minimizes focusing errors by monitoring lens movement at all times.

Supported by these outstanding technologies, the SFXN lets the photographer concentrate on the subject without worrying about troublesome camera adjustments, allowing swift response to photographic opportunities while assuring a sharp focus and an outstanding image quality frame after frame.



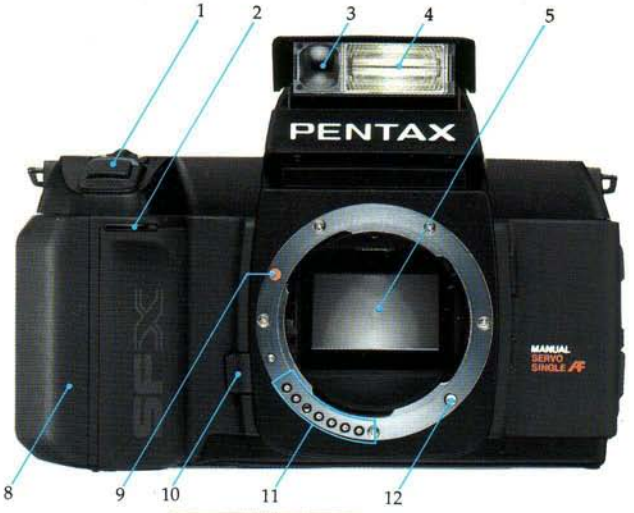
Innovative AF spotbeam projector

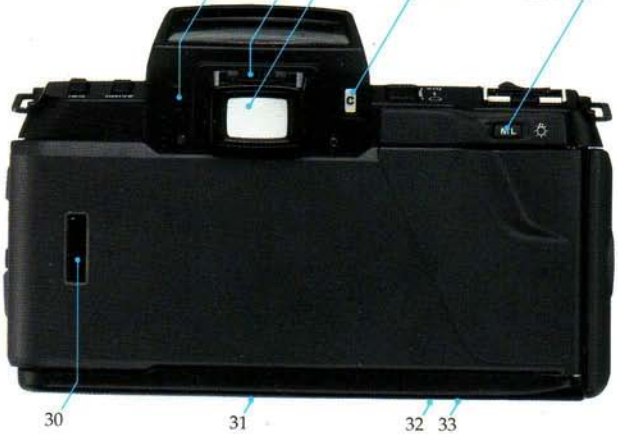
The SFXN's AF spotbeam projector built into the RTF unit is designed to emit a special light pattern in poor lighting conditions to assist the AF detection system. With the help of this remarkable feature, the photographer has no trouble capturing a subject up to four meters away in sharp focus even in total darkness where it would be impossible to focus accurately with the naked eye.

Sophisticated IC circuitry

All of the SFXN's functions are controlled by five custom-designed ICs incorporated into its electronic circuitry. This highly efficient IC circuitry assures fast, reliable and responsive performance at every stage of camera operation — from focusing, light metering and exposure control to CENTIC display and film handling — and sets the photographer free from complicated adjustments. As a result, the SFXN ensures unerring operation and unprecedented ease of use.

Nomenclature





1. Shutter release button
2. Self-timer lamp
3. AF spotbeam projector
4. RTF (Retractable TTL Auto Flash)
5. Instant-return mirror
6. Flash pop-up button
7. Release socket
8. Lithium Battery Grip FB
9. Mount index
10. Lens-lock release lever
11. Lens-information contacts
12. AF coupler
13. Manual focus button
14. Focus mode switch
15. Back-cover release button
16. Back-cover release lever
17. ±EF/ISO switch
18. MODE/DRIVE switch
19. CENTIC information panel
20. Flash-ready lamp
21. Eyecup F
22. Diopter adjustment lever
23. Viewfinder eyepiece
24. Main switch
25. Select switch
26. Exposure-mode clear button
27. Hotshoe
28. Strap lug
29. ML/CENTIC-illuminator button
30. Film-information window
31. Tripod socket
32. Rewind switch
33. Rewind button

Dedicated flash units expand the possibilities of flash photography.

In order to increase capacity and improve versatility in flash photography, the SFXN comes with an accessory hotshoe to mount an extra flash unit. The camera's advanced TTL flash control system capably controls both the built-in RTF and a dedicated flash unit mounted on the hotshoe for optimum exposure control and for sophisticated flash photography such as multi-flash setups.

Pentax has designed two dedicated auto flash units — the AF400FTZ and the AF240FT — exclusively for its AF cameras. With these flash units, the SFXN offers the Program Flash system. In this system, shutter speed, aperture and flash output are all controlled automatically by the camera's microcomputer for perfect flash exposure, even for such complicated flash techniques as daylight sync, when the camera is set at one of the Programmed AE modes. In addition to these exclusive flash units, conventional Pentax dedicated auto flash units can also be used.*

** Usable functions may be limited.*

Trailing-shutter-curtain Sync

Powerful AF400FTZ

The AF400FTZ dedicated zoom auto flash features a large guide number of 40 (ISO100/m) and an effective flash range of 6m (G.N.34, ISO100, f/5.6) in the TTL Auto Flash mode. In addition to the sophisticated TTL Auto Flash mode, it offers the Manual Flash mode with two discharge levels (full and 1/16).

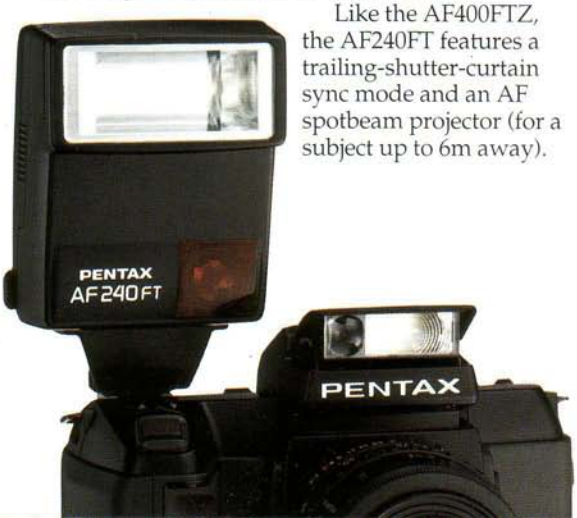
A unique feature of the AF400FTZ is that its flash head can be zoomed in and out to match the angle of view of the lens in use (from 28mm to 105mm). Its angle of discharge is also adjustable both horizontally and vertically.

The AF400FTZ also offers a unique trailing-shutter-curtain sync mode for more natural images of moving subjects and an AF spotbeam projector to assist the AF system in the dark (up to 6m).

Compact AF240FT

Despite its compact dimensions, the AF 240FT dedicated auto flash unit offers a guide number of 24 (ISO100/m) and an effective flash range of 4.3m (G.N.24, ISO100, f/5.6) in the TTL Auto Flash mode. It also has a Manual Flash mode with two discharge levels (full and 1/16).

Like the AF400FTZ, the AF240FT features a trailing-shutter-curtain sync mode and an AF spotbeam projector (for a subject up to 6m away).



Pentax AF lenses satisfy every photographic requirement.

The Pentax-F auto-focus lenses offer a variety of focal lengths — from 24mm wide-angle to 600mm super telephoto — and exceptional auto-focus accuracy and response to optimize the SFXN's outstanding capabilities. For example, when the SMC Pentax-F Zoom 35mm–70mm f/3.5–f/4.5 is mounted, the SFXN needs a mere 0.3 second to adjust focusing from infinity to the minimum focusing distance of 0.7m, even under poor lighting conditions (EV2 at ISO100).

Each of the KAF-mount lenses contains a microchip that stores various data concerning that lens and transmits it directly to the camera's microcomputer to make necessary exposure adjustments and to select the Normal Program sub-mode.

All Pentax-F lenses are treated with Pentax's acclaimed Super-Multi-Coating for exceptional optical performance. This original seven-layer coating process guarantees outstanding color rendition and sharp, crisp image reproduction, without flare or ghost images.

Non-AF lenses to supplement the AF-lens lineup

In addition to the Pentax-F (KAF-mount) auto-focus lenses, a number of the existing KA- and K-mount lenses* can be used with the SFXN without modification or extra accessories. When using these lenses, the photographer can take advantage of the SFXN's Focus Indication system that displays the focusing status (front focus, in-focus or back focus) at the bottom of the viewfinder to make manual focusing faster and more accurate. In addition, a special "Snap-in-Focus" function can be used with KA-mount lenses. In this function, the shutter is automatically released when the subject moves into the preset in-focus point — a very useful feature especially in wildlife and action photography.

Auto-focus convenience using non-AF lenses

When positioned between the SFXN body and a lens, the SMC Pentax-F AF Adapter 1.7X converts the existing Pentax non-AF lenses** into auto-focus lenses, thus offering the photographer the same advantages as Pentax-F auto-focus lenses. The focal length of the lens is extended by 1.7 times and an appropriate aperture is automatically calculated and compensated for by the camera's microcomputer and displayed in the CENTIC panel.

* *Lenses with a maximum aperture of f/5.6 or larger, except for special-application lenses such as macro and soft focus.*
** *Lenses with a maximum aperture of f/2.8 or larger.*

SMC Pentax-F Lens Specifications

● Name of Lens	● Lens Construction (Groups-Elements)	● Angle of View (Degrees)	● Diaphragm	● Minimum Aperture	● Minimum Focusing Distance (Macro range)		● Maximum Magnification (Macro range)	● Diameter & Length (Ø mm × mm)	● Weight		● Filter Size (mm)	● Use with RTF*	
				● m	● ft.				● g	● oz.			
SMC Pentax-F 28mm f/2.8	7—7	75	FA	22	0.8	1.0	0.13	64×37	180	6.3	49	—	
SMC Pentax-F 50mm f/1.4	6—7	47.0	FA	22	0.45	1.5	0.15	65×37	230	8.1	49	○	
SMC Pentax-F 50mm f/1.7	5—6	47.0	FA	22	0.45	1.5	0.15	65×37	200	7.0	49	○	
SMC Pentax-F 135mm f/2.8 [IF]	7—8	18.0	FA	32	0.7	2.3	0.25	68×80	400	14.0	52	○	
SMC Pentax-F* 300mm f/4.5 ED[IF]#	7—9	8.2	FA	32	2.0	6.6	0.17	84×160	880	30.8	67	—	
SMC Pentax-F* 600mm f/4 ED[IF]#	7—9	4.1	FA	32	5.0	16.4	0.13	181×457	6,830	239	43	—	
SMC Pentax-F Zoom 24mm—50mm f/4	10—11	84—47.0	FA	22	0.4	1.3	0.15	69.5×67	380	13.3	58	○▲	
SMC Pentax-F Zoom 28mm—80mm f/3.5—f/4.5	9—12	75—30.5	FA	22—32	0.8(0.4)	2.6(1.3)	0.11(0.25)	69.5×75	395	13.8	58	○▲	
SMC Pentax-F Zoom 35mm—70mm f/3.5—f/4.5	8—8	63—34.5	FA	22—32	0.7(0.32)	2.3(1.0)	0.1(0.25)	67×50	235	8.2	49	○	
SMC Pentax-F Zoom 35mm—105mm f/4—f/5.6	12—14	63—23.5	FA	22	1.4(0.42)	4.6(1.4)	0.09(0.25)	72×71	345	12.1	58	○	
SMC Pentax-F Zoom 35mm—135mm f/3.5—f/4.5	12—16	63—18.0	FA	22—32	1.6(0.75)	5.2(2.5)	0.1(0.25)	71×91.5	485	17.0	58	○	
SMC Pentax-F Zoom 70mm—210mm f/4—f/5.6	9—13	34.5—11.8	FA	32—45	1.1	3.6	0.25	71×98.5	555	19.4	49	○	
SMC Pentax-F* Zoom 250mm—600mm f/5.6 ED#	15—17	9.9—4.1	FA	32	3.5	11.5	0.2	149×439	5,400	189	43	—	
SMC Pentax-F Macro 50mm f/2.8	7—8	47.0	FA	32	0.195	0.6	1.0	68×70	385	13.5	52	—	
SMC Pentax-F Macro 100mm f/2.8	8—9	24.5	FA	32	0.306	1.0	1.0	74×103.5	590	20.7	58	—	
SMC Pentax-F AF Adapter 1.7X	4—6	—	—	—	—	—	—	64×26	135	4.7	—	—	

Note: Lens length does not include mount portion.

. . . . Lens hood and tripod socket built in.
* . . . . Applicable for use with one filter/without hood.
▲ . . . . Usable in 35mm—50mm range.
▲ . . . . Usable in 35mm—80mm range.

Specifications

Type: TTL auto-focus multi-program 35mm SLR with built-in Retractable TTL Auto Flash (RTF) unit.
Film: 35mm cartridge film.
Format: 24mm × 36mm.
Lens mount: SMC Pentax-F. (K- and KA-mount lenses usable.)
Focusing system: Pentax TTL phase-matching auto-focus system. Usable illumination range: EV2 to EV 18 (at ISO100). Focusing modes: (1) AF Single (with focus lock mechanism); (2) AF Servo; and (3) Manual. Focusing response: approx. 0.3 sec. (from infinity to minimum focusing distance of 0.7m using SMC Pentax-F Zoom 35mm–70mm f/3.5–f/4.5 lens). AF assisting beam: automatic beam casting by AF spotbeam projector in RTF unit under low-light conditions with effective range from 1m to 4m.
Exposure control: Light-metering system: TTL center-weighted, averaged-area metering with GPD metering cell. Metering range: EV1 to EV20 (at ISO100 with 50mm f/1.4 lens). Exposure modes: (1) Normal Program (Wide/Standard/Tele); (2) Program Action; (3) Program Depth; (4) Aperture-Priority AE; (5) Shutter-Priority AE; (6) Metered Manual; (7) Bulb; (8) TTL Auto Flash; and (9) Programmed Auto Flash. Exposure compensation: ±4EV in 0.5EV steps or by exposure-memory lock.
Shutter: Electronically controlled vertical-run hybrid focal-plane shutter. Shutter speed: (1) auto: 1/4000 sec. to 30 sec. ; (2) manual: 1/4000 sec. to 1 sec.; (3) X-sync: 1/125 sec.; and (4) Bulb.
Viewfinder: Pentaprism finder with diopter adjustment mechanism. Field of view: 92%. Magnification: 0.8× (with 50mm f/1.4 lens at infinity at –1 diopter). Diopter adjustment: –2.5 to +1.5 diopters. Focusing screen: interchangeable Aspheric-Micro-Matte screen.
Built-in flash (RTF): Retractable TTL Auto Flash (RTF) with AF spotbeam projector. Guide number: 14 (ISO100/m). Discharge angle: covers angle of view for lenses with focal length of 35mm or longer.
Self-timer: Electronically controlled type. Mode: (1) single frame and (2) multi-frame (3 frames). Delay time: 12 sec. Confirmation: by LED indicator, PCV beep tone and CENTIC display panel.
Mirror: Swing-up instant-return mirror with AF secondary mirror.
Viewfinder LED indications: (1) Focusing information: in-focus, front focus and back focus; (2) Exposure information: Programmed AE, Auto (Aperture-Priority AE and Shutter-Priority AE), Metered Manual, shutter speed, exposure compensation, low-light warning/flash readiness, and flash exposure confirmation for dedicated flash.
CENTIC panel indications: Programmed AE, Auto (Aperture-Priority AE and Shutter-Priority AE), Metered Manual, Program Action, Normal Program (Wide/Standard/Tele), Program Depth, shutter speed/bulb/ISO film speed, exposure compensation, manual ISO override, exposure compensation/aperture value, self-timer, film winder mode (single and consecutive), auto bracketing, DX-coded film, battery warning, film load/advance/rewind, and exposure-frame/self-timer counter. LED illuminator provided.
Flash synchronization: Via built-in RTF or accessory hotshoe. Sync speed: 1/125 sec. (automatically set when RTF or dedicated auto flash is fully charged). Program Flash system automatically adjusts exposure according to lighting conditions (1/125 sec. to 1/60 sec. and f/2.8 to f/11 at ISO100 with automatic discharge selection) in combination with built-in RTF, AF400FTZ and AF240FT. TTL Auto Flash mode usable with Pentax dedicated auto flash units (AF400FTZ, AF240FT, AF400FT, AF280T, AF200T and AF080C).
Film load/advance/rewind: Automatic load/advance/rewind and automatic rewind stop by built-in film winder. Film advance mode: single and consecutive. Winding speed: 2.2 frames/sec.
Film speed setting: (1) Automatic setting for DX-coded film (ISO25 to ISO5000) and (2) manual setting (ISO6 to ISO6400).
Power source: 6V. Usable batteries: (1) one lithium battery (Sanyo 2CR5) for standard Lithium Battery Grip FB; (2) one lithium battery (Panasonic CR-P2 and Duracell DL223A) for optional Lithium Battery Grip for SFX/SFXN; (3) four "AA" alkaline batteries for optional "AA" Battery Grip for SFX/SFXN. Battery life: approx. 150 rolls of 24-exposure film without flash, or approx. 30 rolls of 24-exposure film with flash used for 50% of shooting (with lithium battery).
Dimensions: 154.5 (W) × 99 (H) × 63.5 (D) mm (6.0" × 3.9" × 2.5") with RTF in storage position.
Weight: 665g (23.3 oz.) without lithium battery.

Designs and specifications are subject to change without notice.

Exclusive accessories improve performance and versatility.

Pentax offers a variety of F-series accessories exclusively designed for its AF cameras to meet diversified photographic requirements. In addition, most of the existing Pentax 35mm SLR accessories can be used with the SFXN camera body to expand creative possibilities.

Interval Data Back F

Interval Data Back F
This data back features data-recording and shutter-control functions. In the data-recording function, it offers six modes — (1) date; (2) time; (3) a six-digit count-up number; (4) one letter plus two-digit count-up number; (5) one letter plus two-digit count-down number; or (6) blank (no data recorded). In the shutter-control mode, it lets the photographer pre-program: (1) a shooting start time; (2) interval between exposures; (3) number of exposures; (4) duration of exposure; or (5) pre-charge signal of external flash unit.

Data Back FB
This data back offers five data recording modes with push-button control: (1) year-month-day; (2) month-day-year; (3) day-month-year; (4) day-hour-minute and (5) blank (no data recorded).

Battery Grips
Besides the standard Lithium Battery Grip FB, two optional battery grips are available for the SFXN as a power source: the Lithium Battery Grip for SFX/SFXN and the "AA" Battery Grip for SFX/SFXN.

Remote Battery Pack F & Terminal Grip F
The battery pack is used to keep the batteries warm in a pocket to secure a stable power supply in extremely cold locations. It is connected by a cable to the terminal grip, which replaces the camera's standard grip.

Hotshoe Adapter F
This adapter is used to position an accessory flash unit (such as the AF400FTZ) away from the camera body using the 5P sync cord. It also provides extra space to make shutter release easier when using the AF080C Ring Light Set.

Cable Switch F
This one-meter-long cable switch is connected to the camera's release socket and allows the photographer to release the shutter without touching the shutter release button, thus preventing camera shake when using slow shutter speeds or bulb. Its double-action mechanism allows the photographer to activate the camera's light-metering system without releasing the shutter.

Infrared Remote Release Cord F
This cord connects a Pentax infrared receiver — attached on the camera's hotshoe — with the release socket for wireless remote shutter release using a Pentax infrared transmitter.

Magnifier FB
This magnifier attaches to the viewfinder eyepiece to double the size of the image in the viewfinder. It can be flipped up to check the normal image and comes with a diopter adjustment mechanism.

Tele and Wide Adapters for Flashes
The wide adapters FWA and FWB attach to the heads of the AF400FTZ and AF240FT dedicated auto flash units, respectively, to expand their discharge angles for wide-angle lenses, while the FT Tele Adapter extends the flash range of the AF240FT for telephoto lenses.