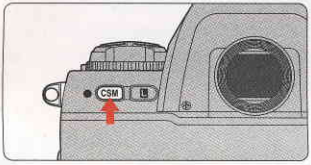
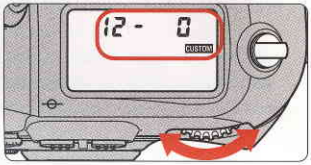
CUSTOM SETTING

Using the Custom Setting feature, you can create a combination of functions that are different from the initial factory settings. The functions listed in this section can be selected with the F100.

■ Creating Custom Setting

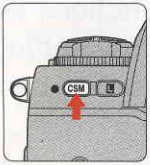
1 Select a menu number by rotating the Main-Command Dial while pressing the Custom Setting button CSM.

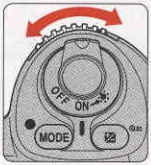


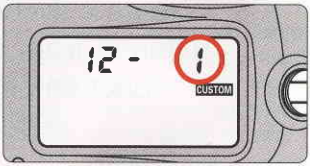


- 22 menus (1 to 22) are available with the F100.

2 While holding the CSM button, select the desired option number (or character) by rotating the Sub-Command Dial.







- When you remove your finger from the CSM button after the desired option number (or character) is displayed in the LCD panel, CUSTOM appears in the LCD panel.
- See page 76 for returning all the Custom Settings to their initial factory settings.

■ Menu number and Custom Setting options

1. Automatic film rewind at the end of film roll (page 29)

Options: 0: Disabled (initial setting)
1: Enabled

At default setting, film rewind is started by pressing the two film rewind buttons ⊙⁻. However, the camera can be set to start film rewind automatically when the end of the film roll is reached.

2. Change of steps of the exposure values (shutter speed, aperture, exposure compensation or compensated EV value in Bracketing) (pages 46-53, 56-59)

Options: 3: 1/3 steps (initial setting)
2: 1/2 steps
1: 1 steps

At default setting, exposures (shutter speed, aperture, exposure compensation or compensated EV value in Bracketing) are displayed/selected in 1/3 steps. However, this can be changed to steps of 1/2 or one.

3. Bracketing order (page 58)

Options: 0: Initial setting (see page 58)
1: From negative value to positive value

Bracketing is normally performed in the order of the initial setting (page 58). However, this Bracketing order can be changed to be performed from negative compensation to positive compensation.

4. Autofocus activated when shutter release button lightly pressed (page 36)

Options: 0: Enabled (initial setting)
1: Disabled

At default setting, lightly pressing the shutter release button starts autofocus operation. However, it can be set to be started only by pressing the AF start button.

5. Warning indications with non-DX-coded film (page 21)

Options: 0: After film is advanced to the first frame (initial setting)
1: When the power switch is on

When a non-DX-coded film is loaded and the camera's film speed is set to DX, warning indications appear after the film is advanced to the first frame. However, the indications can be set to appear when the power switch is on.

6. Focus area selection changed to continuously in the same direction (page 37)

Options: 0: Disabled (initial setting)
1: Enabled

At default setting, the focus area can be selected by pressing the focus area selector in the desired direction. However, it can be set to be changed continuously in the same direction. For example, when the top of the focus area selector is pressed, focus area continues to change from top, bottom, middle and so on. With this option, focus area can be switched to the opposite position without pressing the opposite position on the focus area selector.

7. Auto Exposure Lock when shutter release button is lightly pressed (page 54)

Options: 0: Disabled (initial setting)
1: Enabled

At default setting, Auto Exposure Lock can be performed by pressing the AE-L button. However, Auto Exposure can be set to be locked by lightly pressing the shutter release button.

8. Film advance with closing the camera back (page 21)

Options: 0: Disabled (initial setting)
1: Enabled

At default setting, film advances to the first frame after it is loaded, the camera back is closed and the shutter release button is fully depressed. However, film advance can be set to start when the camera back is closed.

9. Dynamic AF Mode with Closest Subject Priority in Single Servo AF (page 39)

Options: 0: Enabled (initial setting)
1: Disabled

At default setting, Dynamic AF Mode with Closest Subject Priority (page 39) is activated when Dynamic AF mode is selected in Single Servo AF. However, Dynamic AF Mode with Closest Subject Priority can be set to be disabled in Single Servo AF.

10. Dynamic AF Mode with Closest Subject Priority in Continuous Servo AF (page 39)

Options: 0: Disabled (initial setting)
1: Enabled

At default setting, selecting Dynamic AF in Continuous Servo AF does not activate Dynamic AF Mode with Closest Subject Priority (page 39). However, Dynamic AF Mode with Closest Subject Priority can be set to be activated in Continuous Servo AF.

f 11.Auto Exposure/Flash Exposure Bracketing options (page 57)

Options: AS: Simultaneous activation of Auto Exposure/Flash Exposure Bracketing (initial setting)
AE: Only Auto Exposure Bracketing activated
Fb: Only Flash Exposure Bracketing activated

At default setting, Auto Exposure and Flash Exposure Bracketing are activated simultaneously. However, only Auto Exposure or Flash Exposure Bracketing can be set to be activated.

f 12.Switching Command Dial operations (pages 48-53)

Options: 0: Disabled (initial setting)
1: Enabled

Unlike the default Command Dial operations, the Sub-Command Dial can be set to select shutter speed (in Shutter-Priority Auto or Manual exposure mode) and the Main-Command Dial to select aperture (in Aperture-Priority Auto or Manual exposure mode).

f 13.Easy Exposure Compensation (page 56)

Options: 0: Disabled (initial setting)
1: Enabled

When the Easy Exposure Compensation is activated, exposure compensation can be performed, without pressing the ⊠ button, by simply rotating the Sub-Command Dial (in Programmed Auto or Shutter-Priority Auto exposure mode) or Main-Command Dial (in Aperture-Priority Auto or Manual exposure mode).

- If the exposure compensation values are set to change in Custom Setting menu 2, up/down to ±5 EV in 1/2 or 1 steps can be set.
- If the Command Dial operations are switched in Custom Setting menu f 12, Main- and Sub-Command Dials operate under opposite conditions except in Programmed Auto exposure mode.

f 14.Film advance in multiple exposure (page 61)

Options: 0: Single frame shooting (initial setting)
1: Continuous shooting

At default setting, the shutter is released once each time the shutter release button is fully depressed in multiple exposure (single frame shooting). However, it can be changed to continuous shooting where the shutter can be continuously released as long as the shutter release button is fully depressed.

15.Delay time for auto meter-switch off (page 17)

Options 4 : 4 sec.
6 : 6 sec. (initial setting)
8 : 8 sec.
16 : 16 sec.

At default setting, the exposure meter automatically turns off 6 sec. after turning the power switch on or lightly pressing the shutter release button. However, it can be changed to 4 sec., 8 sec. or 16 sec.

16.Delay time for self-timer operation (page 67)

Options 2 : 2 sec.
5 : 5 sec.
10 : 10 sec. (initial setting)
20 : 20 sec.

At default setting, the shutter is released 10 sec. after the shutter release button is fully depressed in self-timer operation. However, this can be changed to 2, 5, or 20 sec.

17.LCD illuminator activated by pressing any button (page 63)

Options 0: Disabled (initial setting)
1: Enabled

At default setting, turning the power switch to ☼ activates the LCD illuminator. However, it can be set to be activated with a press of any button.

18.Data imprint (year/month/day/hour/minute) on frame #0 (page 92)

Options 0: Disabled (initial setting)
1: Enabled

With optional Data Back MF-29, data (year/month/day/hour/minute) can be set to be imprinted on frame #0. To imprint data on frame #0 only and not on frame #1 on, cancel the data imprint on the MF-29 after film is automatically advanced to the first frame.

19.Aperture control (pages 50-53)

Options 0: Aperture value remains (initial setting)
1: Aperture step from the lens' maximum remains unchanged

When a Micro Nikkor lens is extended or the focal length is changed with a zoom lens in which maximum aperture varies with focal length, the aperture value set with the Sub-Command Dial remains. However, it can be changed to keep the aperture steps from the lens' maximum aperture (in Aperture-Priority Auto or Manual exposure mode).

Example: When AF Zoom-Nikkor 70-210mm f/4-5.6 is attached and f/8 (two steps from the maximum aperture of f/4) at 70mm is set on the lens, zooming up to 210mm does not change the aperture of f/8 with "0: Aperture value remains" setting. However, when the "1: Aperture step from the lens' maximum remains" is selected, aperture changes to f/11, two steps from the maximum aperture of f/5.6 at 210mm.

20. Shutter release confirmation with self-timer LED

Options 0: Disabled (initial setting)
1: Enabled

At default setting, the self-timer LED only lights in the self-timer operation. However, it can be set to light immediately before shutter release in normal operation.

21. AE-L/AF-L button options (page 41/54)

Options 0: Simultaneous Auto Exposure/autofocus lock operation (initial setting)
1: Auto Exposure lock only
2: Autofocus lock only
3: Auto Exposure lock remains after removing finger from the button

At default setting, Auto Exposure and autofocus are locked simultaneously when the AE-L/AF-L button is pressed. However, it can be set to be locked separately or exposure remains locked after removing your finger from the button and released when the AE-L/AF-L button is pressed again or picture is taken.

22. Aperture setting with lens' aperture ring (pages 50-53)

Options 0: Disabled (initial setting)
1: Enabled

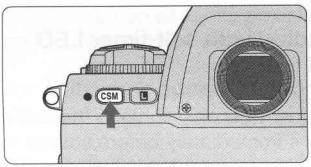
At default setting, aperture can be set using the Sub-Command Dial in Aperture-Priority Auto or Manual exposure mode. However, it can be set to be changed using the lens' aperture ring.

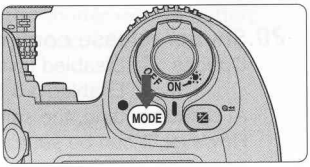
- Aperture will be displayed in one steps and regardless of the setting in Custom Setting menu 12, the aperture can only be selected using the lens' aperture ring.

Two-Button Reset

■ Two-Button Reset lets you instantly reset specified settings to their original default settings.

Press the CSM and MODE buttons simultaneously, and hold them for more than 2 sec.





• The following functions are reset to their original settings:

Function	Condition
Focus area	Center
Exposure mode	Programmed Auto
Flexible Program	Canceled
Shutter speed lock	Canceled
Aperture lock	Canceled
Exposure compensation	Canceled
Auto Exposure Lock	Canceled
Auto Exposure/Flash Exposure Bracketing	Canceled
Flash Sync mode	Front-curtain sync

■ Canceling Custom Setting

• During Two-Button Reset, the Custom Setting indication CUSTOM blinks for 2 sec. in the LCD panel. To cancel Custom Setting, release one of the two buttons once while the CUSTOM indication is blinking, then press both buttons again (page 70).

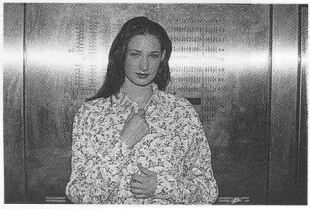
FLASH PHOTOGRAPHY

You can enjoy the excitement of the Nikon F100's advanced flash technology by using Nikon's advanced SB-28, SB-27 or SB-26 AF Speedlight. With the F100 system you'll discover the benefits of flash for more picture-taking situations than ever. Make fill-flash a standard part of your photography. Brighten dull scenes and erase harsh shadows for beautiful portraits. With the F100 system's automatic operation, you can take flash pictures like never before.

Types of TTL Auto Flash

■ When an optional Nikon Speedlight is attached and set to TTL mode, the following TTL Auto Flash modes are available depending on the type of lens used.

Multi-Sensor Balanced Fill-Flash/3D Multi-Sensor Balanced Fill-Flash (Automatic Balanced Fill-Flash with TTL Multi Sensor)



Automatic Balanced Fill-Flash with TTL Multi Sensor can be performed with a combination of the F100 camera, a CPU lens and the Nikon TTL AF Speedlight. In this flash mode, just after you press the shutter release button and before the shutter is activated, the Speedlight with Monitor Pre-Flash function (SB-28, SB-27, SB-26 and SB-25) will fire a series of imperceptible pre-flashes that are detected by the F100's five-segment TTL Multi Sensor, then analyzed for brightness and contrast. Furthermore, when a D-type AF Nikkor lens is attached, it integrates Distance Information from the lens with other exposure control information, automatically compensating the flash output level so that flash output and ambient light are balanced.

With a Speedlight with Monitor Pre-Flash function or the SB-24, you can cancel the Automatic Balanced Fill-Flash with TTL Multi Sensor to perform Standard TTL Flash. Multi-Sensor Balanced Fill-Flash can also be performed with the SB-24 and other dedicated Speedlights that do not have the Monitor Pre-Flash feature. Select a metering system other than Spot Metering with the F100. (The Flash mode automatically switches to Standard TTL flash with Spot Metering.)

Center-Weighted Fill-Flash

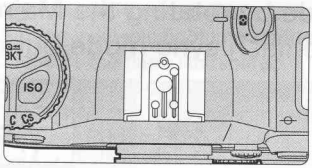
Center-Weighted Fill-Flash is performed with a TTL AF Speedlight and non-CPU lens. Since Center-Weighted Metering is used instead of Matrix Metering with a non-CPU lens, flash output and ambient light of the main subject and background are roughly balanced. If a highly reflective object is located within the frame or the background is non-reflective, correct exposure may not be obtained. With a Speedlight with Monitor Pre-Flash function or the SB-24, you can cancel the Center-Weighted Fill-Flash to perform Standard TTL Flash.

Standard TTL Flash

With a Speedlight with Monitor Pre-Flash function or the SB-24, Standard TTL Flash can be performed with any type of lens. With other Speedlights, Standard TTL Flash is automatically set when the camera is set to Manual exposure mode. In Standard TTL Flash, automatic flash output level compensation is not available. This means that, even though the main subject is correctly exposed, the background may not be. (Selecting Spot Metering automatically switches the TTL auto flash mode to Standard TTL Flash.)

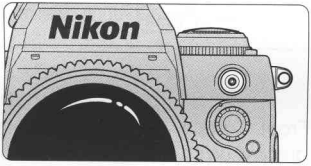
Accessory Shoe/Sync Terminal/Ready-Light

Accessory shoe



- An optional Speedlight, i.e. SB-28, SB-27, SB-26, SB-25, SB-24, SB-23 or SB-22s can be attached directly to the accessory shoe of the F100 without a cord. This accessory shoe is equipped with a safety-lock which prevents accidental drop when a Speedlight with a safety-lock pin (i.e. SB-28, SB-27, SB-26, SB-25 or SB-22s) is attached.

Sync terminal



- To use a Speedlight that requires a sync cord, attach one end of the sync cord to the sync terminal.
  When the SB-28, SB-27, SB-26, SB-25, SB-24, SB-23 or SB-22s is attached to the F100's accessory shoe and rear-curtain sync is performed, do not attach additional Speedlight via sync terminal.

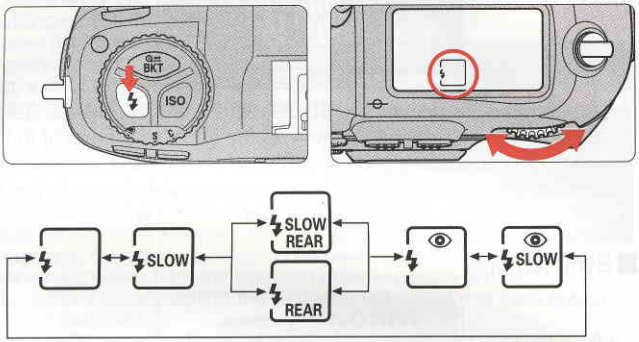
Ready-light

- When using a Speedlight such as the SB-28, SB-27, SB-26, SB-25, SB-24, SB-23 or SB-22s, the ready-light ϟ lights up when the Speedlight is fully charged and ready to fire.
- If the ready-light blinks approx. 3 sec. after full flash output, underexposure may have occurred (when the Speedlight is set to TTL or non-TTL auto flash mode). Check the focus distance, aperture or flash shooting distance range and shoot again.

Flash Sync Mode Features

■ Five flash sync modes are available with the F100.

Set the flash sync mode by rotating the Main-Command Dial while pressing the flash sync mode button.



: Front-Curtain Sync

Set the flash sync mode to Front-Curtain Sync for normal flash photography. (With SB-26, SB-25 and SB-24, set the Speedlight's sync mode selector to NORMAL.)

: Slow Sync

Normally, the camera's shutter speed is automatically set to 1/60 to 1/250 sec. for flash photography in Programmed Auto or Aperture-Priority Auto exposure mode. However, for shooting nighttime scenes, Slow Sync uses a slower shutter speed (down to 30 sec.) to bring out background details using all of the available light.

: Rear-Curtain Sync

The Speedlight fires at the end of the exposure, turning available light into a stream of light that follows the flash-illuminated moving subject. (With SB-26, 25 and 24, set the Speedlight's sync mode selector to REAR.) When Rear-Curtain Sync is set in Programmed Auto or Aperture-Priority Auto exposure mode, Slow Sync is automatically set.

: Red-Eye Reduction

The Red-Eye Reduction lamp lights for approx. 1 sec. before the flash fires in order to reduce the red-eye effect in photos of people or animals. (With SB-28, SB-27 or SB-26 only.)

: Red-Eye Reduction with Slow Sync

Red-Eye Reduction and Slow Sync mode are simultaneously set. (With SB-28, SB-27 or SB-26 only.) Set the exposure mode to Programmed Auto or Aperture-Priority Auto.

NOTE: Flash Sync Modes

- When Red-Eye Reduction or Red-Eye Reduction with Slow Sync is selected, Red-Eye Reduction lamp lights for approx. 1 sec. before the flash fires. Do not move the camera or let the subject move until the shutter is released. (Red-Eye Reduction is not recommended in shooting situations where shutter release is your top priority.)
- With Slow Sync and Red-Eye Reduction with Slow Sync, keep the camera steady to prevent picture blur since the shutter speed is slow. Use of a tripod is recommended.
- Rear-Curtain Sync cannot be used with a studio flash system since the correct synchronization cannot be obtained.

Usable Optional Speedlights

■ The following optional Speedlights are compatible with the F100. In the table, ① indicates D-type AF Nikkor (except IX-Nikkor), ② indicates an AF Nikkor lens other than D-type (except AF Nikkor for F3AF) and Ai-P Nikkor and ③ indicates non-CPU Nikkor lenses.

Speedlight \ Flash mode / Lens		TTL				A	M			REAR	
		3D Multi-Sensor Balanced Fill-Flash	Multi-Sensor Balanced Fill-Flash	Center-Weighted Fill-Flash	Standard TTL flash*1	Non-TTL Auto	Manual	FP High-Speed Sync	Repeating Flash	Rear-Curtain Sync	Red-Eye Reduction
SB-28 (Cordless)	①	○			○	○	○	○	○	○	○
	②		○		○	○	○	○	○	○	○
	③			○	○	○	○	○	○	○	○
SB-27 (Cordless)	①	○			○	○	○			○	○
	②		○		○	○	○			○	○
	③			○	○	○	○			○	○
SB-26*2 (Cordless)	①	○			○	○	○	○	○	○	○
	②		○		○	○	○	○	○	○	○
	③			○	○	○	○	○	○	○	○
SB-25 (Cordless)	①	○			○	○	○	○	○	○	
	②		○		○	○	○	○	○	○	
	③			○	○	○	○	○	○	○	
SB-24 (Cordless)	①②		○		○	○	○		○	○	
	③			○	○	○	○		○	○	
SB-23, SB-21B*3 (Cordless)	①②		○		○		○			○	
	③			○	○		○			○	
SB-22s, SB-22, SB-20, SB-16B, SB-15 (Cordless)	①②		○		○	○	○			○	
	③			○	○	○	○			○	
SB-11*4, SB-14, SB-140*5	①②		○		○	○	○			○	
	③			○	○	○	○			○	

*1 *With Spot Metering, setting exposure to Manual automatically changes the flash mode to Standard TTL with Speedlights other than SB-28, 27, 26, 25 and 24 that are equipped with TTL Auto Flash.*

*2 *Wireless Slave Flash can be performed with the SB-26. Shutter speed is automatically controlled to slower than 1/200 sec. when the Wireless Slave Flash selector is set to D.*

*3 *With the SB-21B, autofocus can only be used when an AF Micro-Nikkor (60mm, 105mm, 200mm and 70-180mm) is attached.*

*4 *TTL auto flash is possible with TTL Remote Cord SC-23.*
In Aperture-Priority Auto or Manual exposure mode, attach SU-2 to SC-13 with SB-11 and SB-14 or attach SU-3 to SC-13 with SB-140.
SC-11 or SC-15 can also be used; however, the ready-light does not appear in the viewfinder and the shutter speed does not change automatically.

*5 *Ultraviolet and infrared photography can be performed only when SB-140 is set to M.*

■ Notes on using the optional Speedlight

- See your Speedlight manual for details. If the camera groups are defined in the manual of the Speedlight with TTL auto flash, see the section for camera group I.
- Flash sync speed is 1/250 sec. or slower when using an optional Speedlight. (Set the shutter speed to 1/125 sec. or slower with Medical-Nikkor 120mm f/4.)
- Available film speeds for TTL auto flash are ISO 25 to ISO 1000.
- The AF-Assist Illuminator does not emit light when the focus area is not set to center.
- In Programmed Auto exposure mode, the camera automatically controls the maximum available aperture as follows in relation to the film speed:

ISO film speed	25	50	100	200	400	800	1000
Maximum available aperture	2.8	3.3	4	4.8	5.6	6.7	7.1

* When film speed increases by one step, the maximum available aperture is stopped down by 1/2 f/stop. If you are using a lens with a maximum aperture smaller than that listed above, the automatically controlled aperture range is from the lens' maximum to minimum aperture.

- When flash exposure compensation is set, ⊠ appears in the viewfinder without the compensation value.

NOTE: Flash attachments made by manufacturers other than Nikon

Use only Nikon Speedlights. Other units may damage the camera's electrical circuit due to incompatible voltage requirements (not compatible with 250V or higher), electric contact alignment or switch phase.

■ Operation described in this section applies when the SB-28, SB-27, SB-26 or SB-25 Speedlight and D-type AF Nikkor are attached, and Automatic Balanced Fill-Flash with TTL Multi Sensor is used.

1 Attach the Speedlight and set the metering system.

- Set the metering system to Matrix or Center-Weighted Metering.

2 Set the exposure mode and confirm shutter speed and aperture.

- When using Red-Eye Reduction with Slow Sync or Slow Sync, set the exposure mode to Programmed Auto or Aperture-Priority Auto.
- Available shutter speed and aperture in each exposure mode

Exposure mode	Available shutter speed	Available aperture	Page
Programmed Auto	Automatically set	Automatically set	46
Shutter-Priority Auto	1/250-30 sec.*		48
Aperture-Priority Auto	Automatically set	Desired setting	50
Manual	1/250-30 sec.*, Bulb		52

* *Shutter speed changes automatically to 1/250 sec. when the shutter speed is set to 1/250 sec. or faster as soon as the attached optional Speedlight is turned on.*

3 Set the flash sync mode.

- Red-Eye Reduction and Red-Eye Reduction with Slow Sync can only be set with the SB-28, SB-27 and SB-26.
- With the SB-26 and SB-25, Front- and Rear-Curtain Sync settings on the Speedlight override the setting on the camera body.

4 Set the power switch of the Speedlight to ON (or STBY) and set the flash mode selector (MODE button on the SB-28) for TTL auto flash mode.

- Set TTL with the SB-28, SB-26 or SB-25 and AUTO with SB-27.

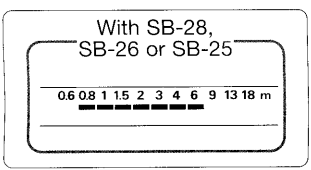
5 Set the Speedlight's flash sync mode selector and check the display in the LCD panel.

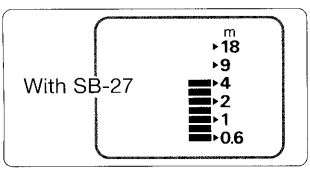
- With the SB-26 or SB-25, the flash sync mode setting on the Speedlight overrides the setting on the camera body.
- With the SB-28 or SB-27, set the flash sync mode on the camera body since the Speedlight has no flash sync mode selector.
- Confirm that the indicators TTL and for Automatic Balanced Fill-Flash with TTL Multi Sensor appear in the LCD panel. If these indications do not appear in the LCD panel, press the M button (MODE button with SB-28) until TTL and appear.

6 Compose picture, focus and confirm the indication in the viewfinder.

- Lightly press the shutter release button and confirm the ready-light ϟ appears in the viewfinder.

7 Confirm the flash shooting distance range and shoot.





- If the ready-light blinks approx. 3 sec. after full flash output, underexposure may have occurred. Check the focus distance, aperture or flash shooting distance range and shoot again.
- When using a Speedlight, make sure to read its instruction manual as well.

Combinations of AF Functions

The following focusing operations can be executed with combinations of the focus mode and AF Area mode. See also the autofocus modes on page 39.

	Focus mode	AF Area mode	Focusing operation	Suitable shooting situation
I	Single Servo AF	Single Area AF	Focus is obtained only at the selected focus area and focus is locked once focus is achieved.	General shooting such as a stationary subject.
II	Single Servo AF	Dynamic AF Mode with Closest Subject Priority	Dynamic AF Mode with Closest Subject Priority maintains focus on the subject located closest to any of five focus areas and focus is locked once focus is achieved. If the subject moves from the selected focus area before focus lock, camera automatically focuses on the subject determining the data from the other focus areas.	Snapshot where you let the camera's autofocus operation determine the focusing.
III	Single Servo AF	Dynamic AF	Focus is obtained only at the selected focus area and focus is locked once it is achieved (CSM 9). If the subject moves from the selected focus area before focus lock, camera automatically focuses on the subject determining the data from the other focus areas.	General shooting including a moving subject where you want to expand the range of a regular snapshot.
IV	Continuous Servo AF	Single Area AF	Focus is obtained only at the selected focus area and focus is not locked.	Subject moving straight toward or away from the camera such as a racing car or track athlete to follow a subject with one focus area.
V	Continuous Servo AF	Dynamic AF	If the subject moves from the selected focus area, camera automatically focuses on the subject utilizing the Focus Tracking and determining the data from the other focus areas.	Irregularly moving subject such as a player in a football game where subject is difficult to follow in one focus area.
VI	Continuous Servo AF	Dynamic AF Mode with Closest Subject Priority	Dynamic AF Mode with Closest Subject Priority maintains focus on the subject located closest to any of five focus areas. If the subject moves from the selected focus area, camera automatically focuses on the subject utilizing the Focus Tracking and determining the data from the other focus areas (CSM 10).	Snapshot of a moving subject where you let the camera's autofocus operation determine the focusing.

MISCELLANEOUS

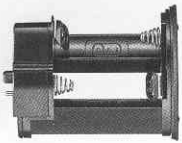
The Nikon F100 is a high-performance, precision instrument, designed to deliver superior pictures. You'll want to take good care of your camera to ensure the best possible performance. Take time to review this section thoroughly, as doing so will add to your picture-taking pleasure.

We've also included information about optional accessories and a detailed section with technical specifications. Please read these areas carefully.

Optional Accessories

■ A variety of optional accessories, including power sources, Data Back, Speedlight, and computer software are available for the F100.

• 3V Lithium Battery Holder MS-13



• Two 3V lithium batteries (CR123A or DL123A) can be used with the MS-13 in place of the supplied battery holder.

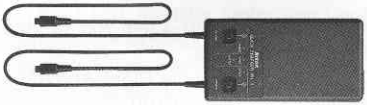
• Multi-Power High Speed Battery Pack MB-15

• Multi-Power High Speed Battery Pack MB-15 improves camera holding in the vertical position, and the pack is equipped with an extra shutter release button and the Main-Command Dial for vertical shooting. With Multi-Power High Speed Battery Pack MB-15, six 1.5V AA-type alkaline-manganese or lithium batteries can be used to power the F100. (Film advance speed and usable number of film rolls vary depending on the shooting situation. See page 105/106.)

• Ni-MH Battery MN-15

• Ni-MH battery MN-15 is exclusively designed for use with the Multi-Power High Speed Battery Pack MB-15. Ni-MH battery MN-15 can be recharged approx. 500 times using the Quick Charger MH-15. (Film advance speed and usable number of film rolls vary depending on the shooting situation. See page 105/106.)

• Quick Charger MH-15



• Quick Charger MH-15 recharges a discharged Ni-MH battery MN-15 fully in approx. 70 minutes. This product has the same function as the Quick Charger EH-3 for the Rechargeable Ni-MH Battery Pack EN-3 for the Nikon E3/E3s Digital Camera.

• Eyepiece correction lens

• Eyepiece correction lens enables near- or far-sighted photographers to adjust the eyepiece diopter to suit their vision, and can be attached easily by screwing it on the viewfinder eyepiece. Nine optional eyepiece correction lenses provide viewfinder diopter settings of –5, –4, –3, –2, –1, 0, +1, +2 and +3 DP (combined diopter with setting on camera body). We recommend that you actually look through the viewfinder with various correction lenses attached before making a purchase, since viewfinder diopter differs from one person to another. Use the optional eyepiece correction lens when you need eyepiece correction over –3 to +1 DP that can be adjusted using the F100's diopter adjustment knob. When using an eyepiece correction lens, set the diopter adjustment of the F100 to 0.

• Rubber Eyecup DK-6

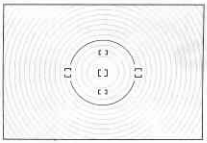
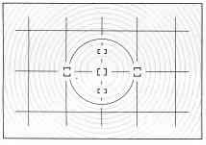
• The Rubber Eyecup DK-6 can be attached to the viewfinder eyepiece and lets you see through the viewfinder more clearly while preventing your eyes from becoming tired.

• Right-Angle Viewing Attachment DR-4/Eyepiece Adapter DK-7

- The Right-Angle Viewing Attachment DR-4 lets you see the finder image at right angle to the light entering the lens.
- Eyepiece Adapter DK-7 lets you attach the Right-Angle Viewing Attachment DR-3 or Eyepiece Magnifier DG-2 to the F100.

• Focusing Screens

- Two focusing screens are available exclusively for the F100. See page 65 for details on changing focusing screens.

B BriteView		Supplied with the F100 camera
E Clear Matte/ Fresnel with grid		Etched horizontal and vertical lines added to B-type screen, the E-type screen is suitable for copying and architectural photography. Especially for use with PC-Nikkor lens.

* Focus brackets and 12mm ø center circle are not etched on the focusing screens.

• Lenses

- A wide variety of lenses — 16mm to 600mm wideangle, telephoto, zoom, Micro or DC (Defocus image Control) — is available for the F100.

• Filters

- Nikon filters can be divided into three types: screw-in, drop-in and rear-interchange. With the F100, the filter factor need not be considered except for the R60 filter. Compensate exposure +1 EV when using the R60.
  Note that when special filters available from manufacturers other than Nikon are used, autofocus or the electronic rangefinder may not operate properly.
- Use circular-polarizing filter C-PL instead of polarizing filter Polar. The polarizing filter cannot be used with the F100.
- Use NC filter when using the filter to protect the lens.
- Moiré may occur when shooting a subject against bright light or if a bright light source is in the frame. In this case, remove the filter before shooting.

( ) = f/stop compensation

Film	Type		Designation	Filter factor		Screw-in attachment size (mm)								Drop-in	Rear-interchange	Slip-in
				Daylight	Tungsten light	39	52	58	62	72	77	82	95	122	160	Series IX	Bayonet	
Black & white and color	Neutral		NC	1	1	○	○	○	○	○	○							
	Skylight		L 1BC	1	1	○	○		○	○							○	
	Ultraviolet		L 37C	1	1	○	○		○	○	○	○	○	○	○		○	
Black & white	Ultraviolet		L 39	1	1		○											
	Yellow	Light	Y 44	1.5 (1/2)	1		○									○		
		Medium	Y 48	1.7 (2/3)	1.2 (1/3)	○	○		○	○	○		○	○		○	○	
		Deep	Y 52	2 (1)	1.4 (1/2)	○	○									○		
	Orange		O 56	3.5 (1 5/6)	2 (1)	○	○		○	○	○		○	○		○	○	
	Red		R 60	8 (3)	5 (2 1/3)	○	○		○	○	○		○	○		○	○	
	Green	Light	X 0	2 (1)	1.7 (2/3)		○											
		Deep	X 1	5 (2 1/3)	3.5 (1 5/6)		○											
Special photography (black & white and color)	Soft		Soft 1	1	1		○		○	○								
			Soft 2	1	1		○		○	○								
	Circular-polarizing		C-PL	2-4 (1-2)	2-4 (1-2)		○		○	○	○							○
	Neutral density		ND 2xS	2 (1)	2 (1)	○												
			ND 4x	4 (2)	4 (2)					○								
			ND 4xS			○	○											
			ND 8x	8 (3)	8 (3)	○												
			ND 8xS			○	○											
			ND 400x	400 (8.6)	400 (8.6)		○											
Color	Amber	Light	A 2	1.2 (1/3)		○	○		○	○	○						○	
		Deep	A 12	2 (1)		○	○		○									
	Blue	Light	B 2	1.2 (1/3)		○	○		○	○	○						○	
		Medium	B 8	1.6 (2/3)		○	○											
		Deep	B 12	2.2 (1 1/6)		○	○		○									

• Data Back MF-29

• Data Back MF-29 allows you to imprint the desired data — year/month/day, month/day/year, day/month/year, day/hour/minute — or leave the film blank. See page 66 for details on attaching Data Back MF-29 in place of the camera back.

• Speedlight SB-28

• Speedlight SB-28 normally uses four AA-type alkaline-manganese batteries with a guide number of 36 (manual flash, 35mm zoom-head position, ISO 100, m, 20°C/68°F).
• 3D Multi-Sensor Balanced Fill-Flash, which enables natural-looking overall exposures and a better balance between ambient light and the fill-flash (even when a highly reflective object is located within the frame or the background is non-reflective), is compatible with the SB-28. Also, the SB-28's AF Assist Illuminator enables autofocus operation in a dark environment (cancelable).
• Automatic power zoom continuously changes the zoom-head position according to the lens' focal length.
• A variety of flashes, including Slow Sync, Rear-Curtain Sync, non-TTL auto flash, manual flash, Repeating Flash, and FP High-Speed Sync Flash are compatible with the SB-28. Also, optional external power source SD-7, SD-8 and SD-8A or Power Bracket SK-6 can be used with the SB-28.

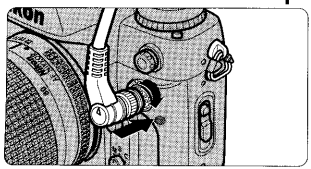
• Speedlight SB-27

- Speedlight SB-27 normally uses four AA-type alkaline-manganese batteries with a guide number of 30 (manual flash, 35mm zoom-head position, ISO 100, m, 20°C/68°F).
- Compact and lightweight, the SB-27's flash head rotates from the horizontal to the vertical position along a 180° arc to control the effect of shadows.
- With the built-in bounce flash adapter, bounce flash operation is possible. And, with a diffuser card, by bouncing the light off the ceiling or walls, you can soften the shadows and produce more natural portraits or close-up photographs. Bounce flash can also make your subject's eyes appear more vibrant.
- 3D Multi-Sensor Balanced Fill-Flash, Standard TTL Flash, manual flash output level compensation, non-TTL auto flash and manual flash are compatible with the SB-27.
- The SB-27's AF-Assist Illuminator enables autofocus operation in a dark environment.

• Wireless Slave Flash Controller SU-4

- TTL multi-flash, where a Speedlight to which Wireless Slave Flash Controller SU-4 is attached is fired simultaneously with the Speedlight attached to the F100, can also be used.

• Accessories connected to 10-pin remote terminal



- By attaching the following accessories to the 10-pin remote terminal of the F100, operations such as remote shooting, automatic shooting or connection to a personal computer are possible.
- When the 10-pin remote terminal is not in use, make sure to cover it with the supplied cap. Exposure to dirt or contact with foreign objects may result in a malfunction.
- To connect an accessory to the 10-pin terminal, align the indexes, insert the plug, then turn the lock screw as shown.

Accessory	Usage	Length
Remote Cord MC-20	Shutter can be released remotely and camera shake can be reduced easily. Also, Long-Time Exposure or Time mode is available, and beeping sound can be set to repeat each second for the duration of the exposure.	Approx. 80cm (2.6 ft.)
Extension Cord MC-21	Extension cord for MC-20, MC-22, MC-23, MC-25 or MC-30.	Approx. 3m (9.8 ft.)
Remote Cord MC-22	Remote cord with blue, yelow and black terminals to connected to a shutter triggering device. Remote control operation via sound or signal is possible.	Approx. 1m (3.3 ft.)
Connecting Cord MC-23	Connects two F100 cameras for simultaneous operation	Approx. 40cm (1.3 ft.)
Adapter Cord MC-25	Adapter cord to connect a remote accessory for 2-pin remote terminal such as Radio Control Set MW-2, Intervalometer MT-2 or Modulite Remote Control Set ML-2 to F100	Approx. 20cm (0.7 ft.)
Remote Cord MC-30	Useful in reducing camera shake or releasing shutter remotely. Also, shutter can be locked in Long Time Exposure (Bulb).	Approx. 80cm (2.6 ft.)
Connecting Cord MC-31/MC-33	Connects F100 to a personal computer. MC-31 is for 25-pin serial port (Dsub-25) and MC-33 is for 9-pin serial port (Dsub-9).	Approx. 1.7m (5.6 ft.)
Modulite Remote Control Set ML-2	Remote control up to 100m (328 ft.) is possible via an infrared pulse-modulated ray. By using multiple number of ML-2s, more distant remote control is possible. (Adapter Cord MC-25 is required.)	—
Modulite Remote Control Set ML-3	Remote control up to 8m (26.2 ft.) is possible via an infrared ray.	—

• AC-2WE Photo Secretary II for F100 (for Windows®)

- AC-2WE Photo Secretary II for F100 links the F100 and your personal computer via Connecting Cord MC-31 or MC-33. Various F100 operations such as Custom Setting can be set from your personal computer and photo data stored on the F100 can be downloaded and manipulated on your computer. (Downloading, editing and storing of the shooting data of the F5, F90X/N90s and F90-Series/N90 cameras are also possible.)
  Usable computers: Personal computer running Windows®95, Windows®98 or Windows®NT version 4.0

* Shooting data of up to 70 rolls of 36-exposure films can be stored in the F100.

Windows® is a U.S. registered trademark of Microsoft Corporation.

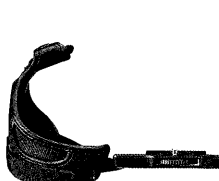
• Soft case (CF-57/CF-58)

- Two camera cases, CF-57 (for standard lens) and CF-58 (for telephoto lens) are available for this camera.

  CF-57: Camera body fits inside case with 28-105mm f/3.5-4.5D IF or smalle lens attached.

  CF-58: Camera body fits inside case with 80-200mm f/4.5-5.6D or smaller lens attached.

• Neckstraps/Handstrap AH-4



- Leather-type AN-1 (black), braid-type AN-4B (black) and AN-4Y (yellow), wide braid-type neckstrap AN-6Y (yellow) and AN-6W (burgundy) neckstraps are available.
- Handstrap AH-4 helps you to hold the camera firmly and easily, and shoot in quick-motion.

Camera Care

WARNING

Do not use

Do NOT ever use organic solvents like thinner or benzene.
It causes fire or health hazard.
It damages the camera.

- **Cleaning camera body**

Use a blower brush to remove dirt and dust from the camera body and clean it with a soft, clean cloth. After using the camera near seawater, wipe the camera body with a soft, clean cloth slightly moistened with pure water to remove salt, and then dry it with a dry cloth.

- **Cleaning mirror and lens**

Use a blower brush to remove dirt and dust from the mirror or lens. To remove fingerprints or smudges from the lens' surface, use a soft, clean cotton cloth or lens tissue moistened with ethanol (alcohol) or lens cleaner.

- **Do not subject the camera or lens to strong vibration or shock**

Do not drop the camera body and lens or hit them against a hard surface as this may damage their precision mechanism.

- **Do not touch the shutter curtains**

The shutter is made of very thin curtains. Do not hold, poke, or blow strongly with a blower brush. Doing so may scratch, deform or tear the shutter curtains.

- **Avoid strong electric or magnetic fields**

The camera may not function properly in strong electric or magnetic fields such as near a transmitter tower. Avoid using the camera in such locations.

- **Store the camera in a cool, dry place**

Store the camera in a cool, dry place to prevent mold and mildew.
Keep it away from naphthalene or camphor (moth repellent), electrical appliances that generate magnetic fields or an excessively hot place such as inside a vehicle during the summer or near a heater.

- **Avoid extreme temperature change**

An extreme temperature change can cause condensation inside the camera body. When taking the camera to a very hot place from a very cold place or vice versa, place it inside an airtight container such as a plastic bag and leave it inside a while to expose the camera gradually to the temperature change.

• Remove the batteries and store the camera with a desiccant

If you do not intend to use the camera for a long time, remove the batteries to protect the camera from battery leakage.

- In a humid environment, store the camera inside a plastic bag with a desiccant to keep out dust, moisture and salt. Note, however, that storing leather cases in vinyl bags may cause the leather to deteriorate. Keep the batteries in a cool, dry place away from heat or humidity.
- Change the desiccant occasionally since it does not absorb moisture effectively after a while.
- Leaving the camera unused for a long period of time may cause mold to grow and result in malfunction. Turn the power on and release the shutter a few times once per month.

Nikon cannot be held responsible for any malfunction resulting from the use of the camera other than as specified in this manual.

Notes on Batteries

Keep batteries out of children's reach.
If someone accidentally swallows batteries, call a doctor immediately.

• Use four AA-type alkaline-manganese or lithium batteries

Two 3V lithium batteries (CR123A or DL123A) can be used with optional 3V Lithium Battery Holder MS-13. With Multi-Power High Speed Battery Pack MB-15, six 1.5V alkaline-manganese or lithium batteries, or Ni-MH battery MN-15 can be used to power the F100.

- Change the batteries well before the end of their life and prepare spare batteries before important photographic occasions.

• Turn the camera power off when changing batteries

Turn the camera power off before changing batteries and insert the batteries with + and – ends positioned correctly.

- Stains on the battery poles may cause lack of contact. Wipe the batteries well with a dry cloth before installing.

• Use fresh batteries at low temperatures

Battery power diminishes at extremely low temperatures and the camera may not function properly with old batteries. Use a fresh set of batteries at low temperatures, keep spare batteries warm, and use them alternately.

- Film advance speed lowers and number of usable film roll becomes less at low temperatures. However, battery power may recover when the temperature returns to normal.

• Do not throw batteries into a fire or short circuit batteries

Do not throw batteries into a fire. Do not short, disassemble, heat or charge batteries.

Troubleshooting

LCD panel	Viewfinder	Cause	Remedy	Page
F E E blinks	F E E blinks	• Lens is not set to its minimum aperture.	• Set lens to minimum aperture.	18
▭ appears	—	• Batteries are nearing exhaustion.	• Have fresh ones ready.	17
▭ blinks	—	• Batteries are just about exhausted.	• Turn the power off and replace batteries with new ones.	17
F- - appears	F- - appears	• Non-CPU lens is attached or lens is not attached.	• Attach CPU lens (except IX-Nikkor). With a non-CPU lens, set the exposure mode to A or M and set the aperture with lens' aperture ring.	18, 32
E r r and E blink	E r r and E blink	• Film is not correctly advanced.	• Reload film.	21
ISO, DX, and E r r blink	E r r blinks	• Film speed is set to DX and non-DX-coded film is loaded.	• Load DX-coded film or set the film speed manually.	21, 34
E blinks when exposure meter is turned on	E blinks when exposure meter is turned on	• Film remains in the camera after film rewind is complete.	• Remove the film cartridge.	29
E n d blinks	E n d blinks	• The end of the film roll has been reached.	• Rewind film by pressing the two film rewind buttons ⊙⇐.	29
—	▶ ◀ blinks	• Autofocus is not possible.	• Focus manually.	27

LCD panel	Viewfinder	Cause	Remedy	Page
H I appears	H I appears	• Overexposure may have occurred.	• In P mode, use ND filter. • In S mode, select faster shutter speed. • In A mode, select smaller aperture (larger f-number). (If the warning indication remains after performing above remedies in S or A mode, use ND filter as well.)	46-51 48 50
Lo appears	Lo appears	• Underexposure may have occurred.	• In P mode, use flash. • In S mode, select slower shutter speed. • In A mode, select larger aperture (smaller f-number). (If the warning indication remains after performing above remedies in S or A mode, use flash as well.)	46-51 48 50
buLb blinks	buLb blinks	• Shutter speed is set to buLb in S mode.	• Cancel the buLb by selecting 30 sec. or faster shutter speed, or select M mode to perform Long Time Exposure.	48, 62
P or S blinks	**A** appears	• Non-CPU lens is attached, or no lens is attached in P or S mode.	• If non-CPU lens is attached, set the exposure mode to A or M.	32, 46, 48-53
Shutter speed indication blinks	250 appears	• Shutter speed faster than sync speed is selected in S or M mode.	• Release the shutter as it is to take a flash picture. (Shutter speed automatically shifts to 1/250 sec.)	84
—	ϟ blinks for 3 sec. after flash	• Flash has fired at full output and underexposure may have occurred.	• Shoot again after confirming focus distance, aperture or flash shooting distance range.	79, 85

LCD panel	Viewfinder	Cause	Remedy	Page
Err blinks	Err blinks	• Malfunction detected.	• Release shutter again. If the warning indication remains, or this warning appears frequently, contact authorized Nikon dealer or service center.	
FuL blinks	FuL blinks	• Shooting data is full in F100's memory.	• Turn the power switch off once and on again. Warning indication disappears and additional data will not be recorded until the data in the memory is erased.	
◉ blinks	—	• Red-Eye Reduction or Red-Eye Reduction with Slow Sync is set when a Speedlight without Red-Eye Reduction function is attached.	• Use a Speedlight equipped with Red-Eye Reduction function.	81
▭ and frame counter blink	▭ and frame counter blink	• Film rewind stops midway due to low battery power.	• Turn the power switch off, replace batteries with new ones and rewind the film again.	29, 35

In certain cases, due to static electricity or poorly loaded batteries, the F100's microcomputer may turn the camera off, even with fresh, properly installed batteries. For the same reason, the film may not advance properly. In each of these cases, to resume operation, simply turn the power off, then turn it on again. Or, remove and reinstall the batteries.

Specifications

Type of camera	Integral-motor autofocus 35mm single-lens reflex with electronically controlled focal-plane shutter
Exposure modes	P: Programmed Auto (Flexible Program possible) S: Shutter-Priority Auto A: Aperture-Priority Auto M: Manual
Picture format	24 x 36mm (standard 35mm film format)
Lens mount	Nikon F mount (with AF coupling, AF contacts)
Lens	• D-type Nikkor: Autofocus and all functions possible • AF Nikkor other than D-type (except AF Nikkor for F3AF): All functions except 3D Matrix Metering possible • AI-P Nikkor: All functions except 3D Matrix Metering and autofocus possible • Non-CPU: Usable in Aperture-Priority Auto or Manual exposure mode, Center-Weighted or Spot Metering Electronic Rangefinder usable with lens with maximum aperture of f/5.6 or faster
Viewfinder	Fixed eye-level pentaprism, built-in diopter adjustment (–3 to +1 DP)
Eyepoint	21mm (at –1.0 DP)
Focusing screen	B-type BriteView clear Matte screen III, interchangeable with optional E-type screen with grid
Viewfinder frame coverage	Approx. 96%
Finder magnification	Approx. 0.76x with 50mm lens set to infinity and –1.0 DP
Viewfinder information	Focus indications, metering system, shutter speed lock, AE lock, shutter speed, aperture lock, aperture, exposure mode, electronic analog exposure display, exposure compensation, frame counter/exposure compensation value, ready-light, five sets of focus brackets (area)
Reflex mirror	Automatic, instant-return type
Lens aperture	Instant-return type, with depth-of-field preview button

Autofocus	TTL phase detection, Nikon Multi-CAM1300 autofocus module • Detection range: EV –1 to EV 19 (ISO 100, at normal temperature)
Lens servo	• Single Servo AF (**S**), Continuous Servo AF (**C**), Manual focus (**M**) • Focus Tracking automatically activated in subject's status in Single Servo AF (**S**) or Continuous Servo AF (**C**)
Focus area	One of five focus areas can be selected
AF Area mode	• Single Area AF • Dynamic AF (Dynamic AF Mode with Closest Subject Priority is available)
Focus lock	Focus is locked by pressing AE-L/AF-L button or lightly pressing shutter release button in Single Servo AF
Metering system	TTL full-aperture exposure metering system Three metering systems selectable (limitations with lens used) • 3D Matrix Metering • Center-Weighted Metering: Approx. 75% of the meter's sensitivity concentrated on the 12mm dia. circle • Spot Metering: 4mm dia. circle (approx. 1% of entire frame)
Metering range	3D Matrix Metering: EV 0-21 Center-Weighted Metering: EV 0-21 Spot Metering: EV 3-21 (at normal temperature, ISO 100, 50mm f/1.4 lens)
Exposure meter coupling	CPU and AI combined
Exposure compensation	Exposure compensated in ±5 EV range, in 1/3 steps
Auto Exposure Lock	Detected exposure value locked by pressing AE-L/AF-L button
Auto Exposure/Flash Exposure Bracketing	Number of shots: two or three; compensation steps: 1/3, 1/2, 2/3 or 1 steps
Film speed setting	• DX or manual selectable (manual setting effective over DX detected film speed) • Film speed range: DX: ISO25-5000, Manual: ISO 6-6400 in 1/3 steps

Shutter	Electronically controlled vertical-travel focal-plane shutter
Shutter speeds	• In P, A: 30 to 1/8000 sec. • In S: 30 to 1/8000 sec. (in 1/3 steps) • In M: 30 to 1/8000 sec. (in 1/3 steps), Bulb
Sync contact	X-contact only; flash synchronization up to 1/250 sec.
Flash control	Controlled by five-segment TTL Multi Sensor • Automatic Balanced Fill-Flash with TTL Multi Sensor: 3D Multi-Sensor Balanced Fill-Flash compatible with SB-28, 27, 26, 25 and D-type AF Nikkor lens; Multi-Sensor Balanced Fill-Flash with a Speedlight such as SB-28, 27, 26, 25, 24, 23, 22s, 22, 20 and AF Nikkor other than D-type or Ai-P Nikkor lens (except for AF Nikkor for F3AF) • Center-Weighted Fill-Flash: With Speedlights SB-28, 27, 26, 25, 24, 23, 22s, 22, 20 and non-CPU Nikkor lens with Center-Weighted Metering • Film speed range in TTL auto flash: ISO 25-1000
Flash sync mode	Front-Curtain Sync (normal sync), Red-Eye Reduction, Red-Eye Reduction with Slow Sync, Slow Sync, Rear-Curtain Sync
Ready-light	Lights up when flash fully charged with Speedlights SB-28, SB-27, SB-26, SB-23, etc.; blinks (3 sec. after flash) for full output warning
Accessory shoe	Standard ISO-type hot-shoe contact (sync contact, ready-light contact, TTL auto flash contact, monitor contact, GND), safety lock provided
Sync terminal	Standard JIS terminal, lock screw provided
Self-timer	Electronically controlled; timer duration: 10 sec.
Depth-of-field preview button	Stop-down lens aperture by pressing depth-of-field button
Film loading	Film automatically advances to first frame when shutter release button is pressed once (shutter and reflection mirror not activated)

Film advance	• Automatic advance with built-in motor; **S**, **C**, **Cs** selectable • Film advance speed (with Continuous Servo AF (**C**), Manual exposure mode, shutter speed 1/250 sec. or faster, 36-exposure film) **S**: One frame advance **C**: Continuous shooting Approx. 4.5 fps (AA-type alkaline-manganese batteries) Approx. 5 fps (with Multi-Power High Speed Battery Pack MB-15) **Cs**: Continuous silent-low-speed shooting Approx. 3 fps (AA-type alkaline-manganese batteries) Approx. 3 fps (with Multi-Power High Speed Battery Pack MB-15)
Film rewind	• Automatic rewind with built-in motor (activate by pressing two film rewind buttons) • Rewind speed with 36-exposure film and AA-type alkaline-manganese batteries: **C**: approx. 9 sec., **Cs**: approx. 19 sec.
Multiple exposure	Activated using film advance mode dial
LCD panel information (illuminator built-in)	Film speed, DX indication, shutter speed lock, shutter speed, aperture lock, aperture, exposure compensation, Auto Exposure/Flash Exposure Bracketing, electronic analog exposure display, Custom, exposure mode, Flexible Program, flash sync mode, AF area mode, focus area, battery power, frame counter
Camera back	Hinged back (removable); AF area mode selector, focus area selector; changeable with Data Back MF-29
10-pin remote terminal	Equipped
Power source	AA-type battery holder MS-12 provided (four alkaline-manganese or lithium batteries); optional 3V lithium battery holder MS-13 available (for two CR123A or DL123A batteries); optional Multi-Power High Speed Battery Pack MB-15 and AA-type battery holder MS-15 are also available (for six alkaline-manganese or lithium batteries, or optional Ni-MH battery MN-15)
Power switch	Power ON, OFF and LCD panel illuminator on position

Exposure meter

Auto meter shut-off 6 sec. after power turned on if no operations are performed; activated by lightly pressing shutter release button or pressing AF start button after power is turned on

Battery power confirmation

for sufficient power; indicates batteries are nearing exhaustion; blinking indicates batteries are just about exhausted; no indication/symbol appears when batteries are completely exhausted or improperly installed

Usable number of film rolls

Battery / Temperature	AA-type alkaline-manganese	AA-type lithium	3V lithium (with MS-13)
+20°C (68°F)	Approx. 60	Approx. 110	Approx. 60
–10°C (14°F)	Approx. 3	Approx. 60	Approx. 25

Battery / Temperature	AA-type alkaline-manganese (with MB-15)	AA-type lithium (with MB-15)	Ni-MH (with MB-15)
+20°C (68°F)	Approx. 100	Approx. 140	Approx. 70
–10°C (14°F)	Approx. 6	Approx. 90	Approx. 50

With 36-exposure film, for Continuous Servo autofocus operation using an AF Zoom-Nikkor 28-105mm f/3.5-4.5D IF lens, in single-frame shooting, covering the full range from infinity (∞) to the closest distance and back to infinity (∞) before each shot, without intervals between shots, with a shutter speed of 1/250 sec. or faster.

Battery / Temperature	AA-type alkaline-manganese	AA-type lithium	3V lithium (with MS-13)
+20°C (68°F)	Approx. 25	Approx. 40	Approx. 20
–10°C (14°F)	Approx. 1	Approx. 20	Approx. 10

Battery / Temperature	AA-type alkaline-manganese (with MB-15)	AA-type lithium (with MB-15)	Ni-MH (with MB-15)
+20°C (68°F)	Approx. 35	Approx. 60	Approx. 20
–10°C (14°F)	Approx. 3	Approx. 25	Approx. 15

With 36-exposure film, for Continuous Servo autofocus operation using an AF Zoom-Nikkor 80-200mm f/2.8D ED lens, in single-frame shooting, lightly pressing the shutter release button for 8 sec. and covering the full range from infinity (∞) to the closest distance and back to infinity (∞) before each shot, with a shutter speed of 1/250 sec. or faster. After the exposure meter automatically turns off (1 sec.), the same operation follows for the next shot.

<table>
<tr><td>Duration of Long Time (Bulb) exposure</td><td>
<table>
<tr><th>Battery / Temperature</th><th>AA-type alkaline-manganese</th><th>AA-type lithium</th><th>3V lithium (with MS-13)</th></tr>
<tr><td>+20°C (68°F)</td><td>Approx. 4 hours</td><td>Approx. 7 hours</td><td>Approx. 3 hours</td></tr>
<tr><td>–10°C (14°F)</td><td>Approx. 1.5 hours</td><td>Approx. 5 hours</td><td>Approx. 2.5 hours</td></tr>
</table>
<table>
<tr><th>Battery / Temperature</th><th>AA-type alkaline-manganese (with MB-15)</th><th>AA-type lithium (with MB-15)</th><th>Ni-MH (with MB-15)</th></tr>
<tr><td>+20°C (68°F)</td><td>Approx. 8 hours</td><td>Approx. 10 hours</td><td>Approx. 4 hours</td></tr>
<tr><td>–10°C (14°F)</td><td>Approx. 2 hours</td><td>Approx. 6 hours</td><td>Approx. 2.5 hours</td></tr>
</table>
</td></tr>
<tr><td>Tripod socket</td><td>1/4 inch (JIS standard)</td></tr>
<tr><td>Custom Setting</td><td>22 Custom Setting menus are available
* See pages 110-111 for details.</td></tr>
<tr><td>Two-Button Reset</td><td>Pressing the CSM and MODE buttons simultaneously and holding them for more than 2 sec. resets various settings to their original default settings (with some exceptions)</td></tr>
<tr><td>Dimensions (W x H x D)</td><td>Approx. 155 x 113 x 66mm (6.1 x 4.5 x 2.6 in.)</td></tr>
<tr><td>Weight (without batteries)</td><td>Approx. 785g (27.7 oz.)</td></tr>
<tr><td>Optional exclusive accessories</td><td>Data Back MF-29, 3V lithium battery holder MS-13, Multi-Power High Speed Battery Pack MB-15, Ni-MH Battery MN-15, Quick Charger MH-15, E-type focusing screen, AC-2WE Photo Secretary II for F100 (for Windows®), Soft case CF-57/58</td></tr>
</table>

All specifications apply when fresh AA-type alkaline-manganese batteries are used at normal temperature (20°C/68°F).

Specifications and design are subject to change without notice.

Index

Custom Setting Menu

	Function	Options
1	**Automatic film rewind at the end of film roll**	0: Disabled (initial setting) 1: Enabled
2	**Change of steps of the exposure values (shutter speed, aperture, exposure compensation or compensated EV value in Bracketing)**	3: 1/3 steps (initial setting) 2: 1/2 steps 1: 1 steps
3	**Bracketing order**	0: Initial setting (See pages 58-59.) 1: From negative value to positive value
4	**Autofocus activated when shutter release button lightly pressed**	0: Enabled (initial setting) 1: Disabled
5	**Warning indications with non-DX-coded film**	0: After film is advanced to the first frame (initial setting) 1: When the power switch is on
6	**Focus area selection changed to continuously in the same direction**	0: Disabled (initial setting) 1: Enabled
7	**Auto Exposure Lock when shutter release button is lightly pressed**	0: Disabled (initial setting) 1: Enabled
8	**Film advance with closing the camera back**	0: Disabled (initial setting) 1: Enabled
9	**Dynamic AF Mode with Closest Subject Priority in Single Servo AF**	0: Enabled (initial setting) 1: Disabled
10	**Dynamic AF Mode with Closest Subject Priority in Continuous Servo AF**	0: Disabled (initial setting) 1: Enabled
11	**Auto Exposure/Flash Exposure Bracketing options**	AS: Simultaneous activation of Auto Exposure/Flash Exposure Bracketing (initial setting) AE: Only Auto Exposure Bracketing activated Sb: Only Flash Exposure Bracketing activated
12	**Switching Command Dial operations**	0: Disabled (initial setting) 1: Enabled

	Function	Options
13	**Easy Exposure Compensation**	0: Disabled (initial setting) 1: Enabled
14	**Film advance in multiple exposure**	0: Single frame shooting (initial setting) 1: Continuous shooting
15	**Delay time for auto meter-switch off**	4 : 4 sec. 6 : 6 sec. (initial setting) 8 : 8 sec. 16 : 16 sec.
16	**Delay time for self-timer operation**	2 : 2 sec. 5 : 5 sec. 10 : 10 sec. (initial setting) 20 : 20 sec.
17	**LCD illuminator activated by pressing any button**	0: Disabled (initial setting) 1: Enabled
18	**Data imprint (year/month/day/hour/ minute) on frame #0**	0: Disabled (initial setting) 1: Enabled
19	**Aperture control**	0: Aperture value remains (initial setting) 1: Aperture step from the lens' maximum remains unchanged
20	**Shutter release confirmation with self-timer LED**	0: Disabled (initial setting) 1: Enabled
21	**AE-L/AF-L button options**	0: Simultaneous Auto Exposure/autofocus lock operation (initial setting) 1: Auto Exposure lock only 2: Autofocus lock only 3: Auto Exposure lock remains after removing finger from the button
22	**Aperture setting with lens' aperture ring**	0: Disabled (initial setting) 1: Enabled

To create Custom Setting: Rotate the Main-Command Dial while pressing the CSM button to select menu number and rotate the Sub-Command Dial to select desirec option number or character. See pages 70-75 for details.