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I have no connection with any camera company

On-line camera manual library

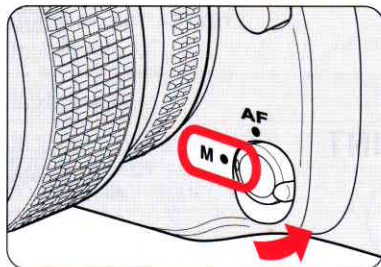
This is the full text and images from the manual. This may take 3 full minutes for the PDF file to download.

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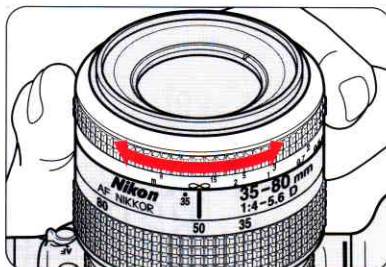
This will allow me to continue to buy new manuals and pay their shipping costs.

It'll make you feel better, won't it?

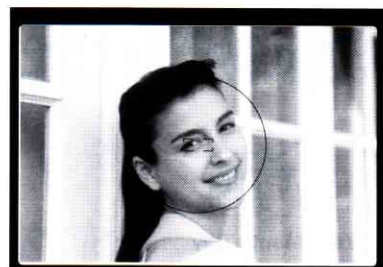
**If you use Pay Pal or wish to use your credit card,
click on the secure site on my main page.**



1 Set focus switch to **M**.
If your AF Nikkor lens has an A-M switch, set it to **M**.



2 Look through the viewfinder and rotate the lens focus ring until the subject appears sharp.



For maximum focusing accuracy when using a zoom lens, it is best to focus at the lens' longest focal length setting. Focusing at the shortest focal length setting and then zooming up to the longest

focal length setting will magnify any slight imprecision in focusing and could result in unsharp pictures.

SETTING DATE/TIME (for F50 b only)

You can imprint date/time—Year/Month/Day, Day/Hour/Minute, Month/Day/Year, or Day/Month/Year—on your picture.

'94 3 15

Year/Month/Day

15 16:20

Day/Hour/Minute

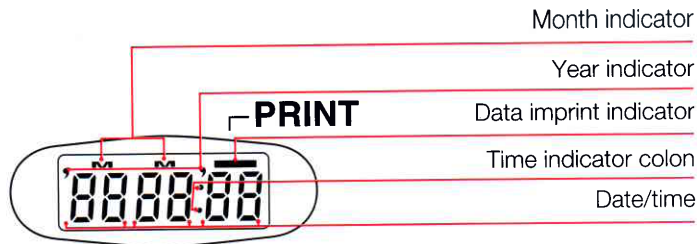
No imprint display

3 15 '94

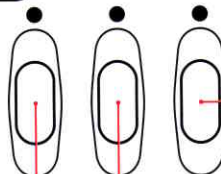
Month/Day/Year

15 3 '94

Day/Month/Year



MODE SELECT ADJUST

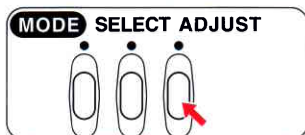
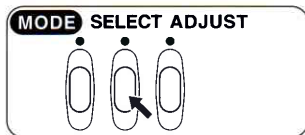


MODE button: Push to select one of the five available displays.

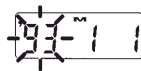
ADJUST button: Push to adjust date/time.

SELECT button: Push to select date/time to be adjusted.

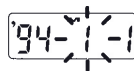
When the LCD becomes faint, replace lithium battery installed in the camera back. (See page 49.)



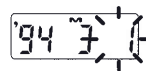
Set year.



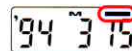
Set month.



Set day.



Setting has been completed.



Setting date and time

For example, to set March 15, 1994, choose Year/Month/Day display. (To set date, choose display other than Day/Hour/Minute. With Day/Hour/Minute display, only time can be set.)

Push SELECT button so year section starts blinking indicating that it can be adjusted. Push ADJUST button to set the year. To change numerical indication

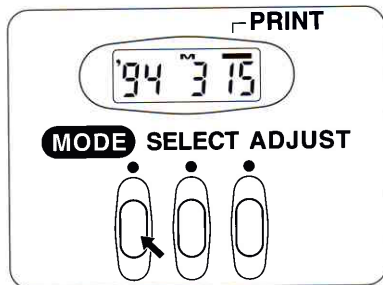
rapidly, hold the ADJUST button down. Set the month and day in the same manner as for year. To complete setting, push SELECT button while the day display is blinking. The newly adjusted date and the imprint indicator — appears without blinking.

To set time, select Day/Hour/Minute display and set the hour and the minute.

To set time to precise second:

Advance the time one minute and ahead of actual time (i.e., if actual time is 12:59, set the time to 13:00). Then push SELECT button so time indicator

colon starts blinking. When actual time coincides with the time you set, push ADJUST button to reset the second to 00.



Imprinting date/time

Select your desired display by pushing MODE button and confirm date and time are correctly set. Then fully depress the shutter release button to take picture with imprinted date/time. To confirm whether date/time is imprinted, check to make sure the imprint indicator — blinks for approx. 2 sec., immediately after taking the picture.

Imprinting date/time may be difficult to read against bright colours such as white or reddish colours.

Imprinted Date/Time

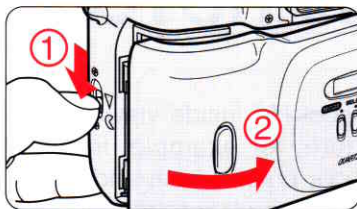


Year/Month/Day

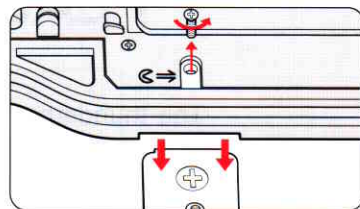


Day/Hour/Minute

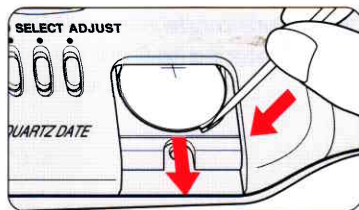
Replacing lithium battery for imprinting function



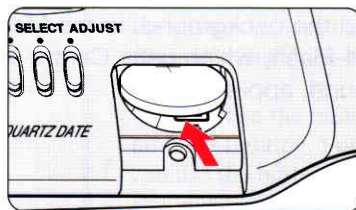
1. Make sure that film is not loaded, open the camera back.



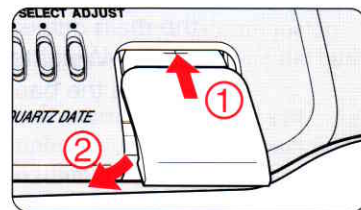
2. Loosen the silver screw on the inside of the camera back. Remove the battery chamber cover.



3. Remove used battery.



4. Insert new battery with "+" terminal facing upward.



5. Replace the battery chamber cover and tighten the screw.

FLASH PHOTOGRAPHY

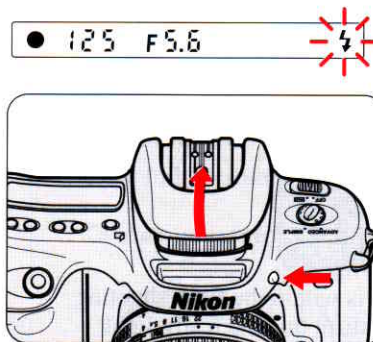
The thunderbolt symbol (⚡) inside viewfinder will blink if you need flash to take a picture, for example, in dim light. You can then activate the F50/F50D's built-in flash and use it. But remember that you can also use flash in bright light to fill in shadows with extra light. This feature, which works with the F50/F50D's built-in flash or any dedicated Nikon Speedlight, is called Matrix Balanced Fill-Flash. It operates in all the Programmed exposure modes, as well as in the Shutter-Priority or Aperture-Priority Auto exposure modes, automatically assuring a correct and well-balanced exposure of both the main subject and the background. In the Manual exposure mode, Centre-Weighted Fill-Flash, which uses Centre-Weighted metering to expose the background, applies.


This section is for both SIMPLE and ADVANCED modes.

Notes on using built-in flash

- Do not touch the flash when it is firing; normal operation can cause it to heat up.
- Never fire the flash more than 20 consecutive times at intervals of 5 sec. or shorter. This may impair flash performance. After each continuous firing, let the flash rest at least 10 minutes before firing again.

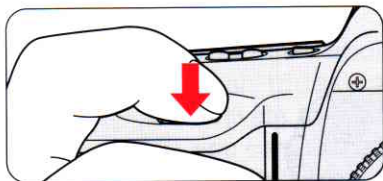
When you continuously fire the flash, the camera's handgrip may become hot; this is normal. Continuous firing will result in a longer interval before the ready-light comes on because it takes longer for the flash to recharge automatically.



1 When subject brightness is insufficient, the ready-light  blinks inside the viewfinder when you lightly press the shutter release button to activate the exposure meter. Press the flash lock-release to release and activate the built-in flash.

You can use the built-in flash anytime, regardless of ambient lighting. For example, if your subject is backlit, you can use the built-in flash to illuminate your subject and fill in shadows.

- When the built-in flash is activated, an accessory Speedlight will not fire. When using a Speedlight, keep the built-in flash in the locked-down position.
- For usable lenses, see page 55.

● 125 F5.6 

2 Make sure the subject is within the flash shooting distance range and confirm that the ready-light (⚡) is on. Fully depress the shutter release button to take a shot with flash.

After shooting, check the ready-light again. If it blinks for a few seconds after shooting, the light might have been insufficient. Confirm shooting distance and, if necessary, move closer to the subject or select a wider aperture.

Flash shooting distance range

| | ISO film speed | | | | | | Flash shooting distance range |
|----------|----------------|-----|-----|-----|-----|-----|-------------------------------|
| | 25 | 50 | 100 | 200 | 400 | 800 | |
| Aperture | — | — | — | 2 | 2.8 | 4 | 2.8 ~ 9.2m |
| | — | — | 2 | 2.8 | 4 | 5.6 | 2 ~ 6.5m |
| | — | 2 | 2.8 | 4 | 5.6 | 8 | 1.4 ~ 4.6m |
| | 2 | 2.8 | 4 | 5.6 | 8 | 11 | 1.0 ~ 3.3m |
| | 2.8 | 4 | 5.6 | 8 | 11 | 16 | 0.7 ~ 2.3m |
| | 4 | 5.6 | 8 | 11 | 16 | 22 | 0.6 ~ 1.6m |
| | 5.6 | 8 | 11 | 16 | 22 | 32 | 0.6 ~ 1.2m |
| | 8 | 11 | 16 | 22 | 32 | — | 0.6 ~ 0.8m |

Guide for flash shooting distance range in SIMPLE mode (at ISO 100)

| | |
|-----------------------------------|------------|
| For outdoor subjects on sunny day | 0.6 ~ 1.6m |
|-----------------------------------|------------|

| | |
|--|------------|
| For outdoor subjects on cloudy day or in shadows | 0.7 ~ 2.3m |
|--|------------|

| | |
|---------------------|-------------|
| For indoor subjects | 0.7 ~ 4.6 m |
|---------------------|-------------|

Use the listed range only as a guide for a lens having maximum aperture of f/2.8 or faster. With slower lenses, the maximum shooting distance will be reduced.

Using guide number to estimate the maximum shooting distance

You can also estimate the maximum shooting distance by guide number of built-in flash.

$$\frac{\text{Guide number}}{\text{Lens full aperture}} = \text{Maximum shooting distance}$$

Guide number for each ISO setting (m)

| ISO film speed | | | | | |
|----------------|-----|-----|------|-----|------|
| 25 | 50 | 100 | 200 | 400 | 800 |
| 6.5 | 9.2 | 13 | 18.4 | 26 | 36.8 |

- The wider the aperture (the smaller the f-number) you select, the farther the maximum shooting distance, whereas the smaller the aperture (the larger the f-number), the shorter the maximum shooting distance.
- With a slower shutter speed, a smaller aperture is automatically selected, resulting in a shorter shooting distance range.

- In Shutter-Priority Auto or Manual exposure mode, if you set the shutter speed at 1/180 sec. or faster, the camera automatically shifts to 1/125 sec. as soon as the built-in flash is activated.
- In Aperture-Priority Auto exposure mode, the shutter speed is fixed at 1/125 sec. for flash shooting.

SB-27, SB-26, SB-25 or SB-24 users

The automatic adjustment functions for film speed, aperture and zoom-head position cannot be used with the F50/F50D camera.

Usable AF Nikkor Lenses with Built-In Flash

• Usable non-zoom lenses

35 to 300mm AF Nikkor lens (except AF Nikkor 300mm f/2.8 and AF-I Nikkor 300mm f/2.8 D)

• Usable zoom lenses

AF 24-50mm f/3.3-4.5*1

AF 28-70mm f/3.5-4.5*1

AF 28-70mm f/3.5-4.5 D*1

AF 28-80mm f/3.5-5.6 D*1

AF 28-85mm f/3.5-4.5*2

AF 35-70mm f/2.8*3

AF 35-70mm f/2.8 D*3

AF 35-70mm f/3.3-4.5

AF 35-80mm f/4-5.6 D

AF 35-105mm f/3.5-4.5

AF 35-105mm f/3.5-4.5D

AF 35-135mm f/3.5-4.5*2

AF 70-210mm f/4

AF 70-210mm f/4-5.6

AF 70-210mm f/4-5.6 D

AF 75-300mm f/4.5-5.6

AF 80-200mm f/2.8*4

AF 80-200mm f/2.8 D*4

AF 80-200mm f/4.5-5.6 D⁵

*1 *Cannot be used at a focal length shorter than 35mm*

*2 *Cannot be used at a focal length shorter than 35mm. At 35mm focal length setting, shoot within 2m.*

*3 *Cannot be used at a focal length shorter than 50mm.*

*4 *Cannot be used at a focal length shorter than 100mm.*

• **Do not use a lens hood; it could cause slight vignetting.**


• **With zoom lenses, do not shoot within the macro range (indicated by the orange line on the lens).**

SPEEDLIGHT COMPATIBILITY

| Nikon Speedlight | | Camera exposure mode | | | | Connection |
|--|------------------|----------------------|-----|-----|-----|--------------------------------------|
| | | P | S | A | M | |
| SB-27, SB-26, SB-25, SB-24, SB-23, SB-22, SB-21B*1, SB-20, SB-16B | TTL auto flash | Yes | Yes | Yes | Yes | Direct |
| | Other flash mode | No | No | Yes | Yes | Direct |
| SB-140, SB-14, SB-11 (with SU-2) | TTL auto flash | Yes | Yes | Yes | Yes | Via SC-23 |
| | Other flash mode | No | No | Yes | Yes | Via SC-13 or sync cord with AS-15 |
| SB-21A*2, SB-16A*2 | TTL auto flash | No | No | No | No | Via AS-6 |
| | Other flash mode | No | No | Yes | Yes | |

*1 Although possible with SB-21B, Matrix Balanced Fill-Flash and Centre-Weighted Fill-Flash are not recommended for close-up photography. With the F50/F50D camera, use the SB-21B at manual flash exposure mode.

*2 The difference between SB-21A and SB-21B, or between SB-16A and SB-16B, is the type of controller attached. (For details, see Speedlight instruction manual.)

 : Matrix Balanced Fill-Flash

 : Centre-Weighted Fill-Flash

Controlled aperture in SIMPLE mode with an accessory Nikon Speedlight (at ISO 100)

| | |
|---|-------|
| For outdoor subjects on sunny day | f/8 |
| For outdoor subjects on cloudy day or in shadows | f/5.6 |
| For indoor subjects | f/4 |

MISCELLANEOUS

This section is for both **SIMPLE** and **ADVANCED** modes.

LENSES

The Nikon F50/F50D is designed for autofocus photography with AF Nikkor lenses (except AF-Nikkor lenses made specifically for the Nikon F3AF camera). To take full advantage of the F50/F50D camera's features, you should use AF Nikkor lenses.

However, the lenses listed on right can be used under the following conditions:

When an AF-I or AI-P Nikkor lens is used:

- Set the focus switch to M and focus by rotating the lens focusing ring*.

When mountable non-CPU Nikkor lenses are used:

- Use an external exposure meter.
- Set exposure mode to Manual. (In other exposure modes, shutter is locked.)
- Shutter speed indication appears on the LCD panel and inside the viewfinder. Set shutter speed by pressing the set/adjust button. The f-number of the aperture set will not be visible in the LCD panel and inside the viewfinder. Set the aperture by rotating the lens aperture ring.
- Adjust focus by rotating the lens focusing ring until the subject appears sharp inside the viewfinder.*

* Unless your subject is not acceptable for autofocus operation (page 44), you can confirm the in-focus indicator. Centre the focus brackets on the subject, and rotate the focusing ring while lightly pressing the shutter release button. When the subject is in focus, the in-focus indicator ● appears.

Mountable Nikkor lenses

- AF Nikkor lenses
- AI-P Nikkor lenses
- AF-I Nikkor lenses
- AI-type (AI-S, AI and AI-modified) Nikkor lenses except Fisheye 6mm f/5.6 and Fisheye OP 10mm f/5.6, 180-600mm f/8 (No. 174166 or smaller), 200-600mm f/9.5 (No. 300490 or smaller), 360-1200mm f/11 (No. 174087 or smaller)
- Nikon Series E lenses
- Reflex Nikkor lenses
500mm f/8
1000mm f/11 (No. 142360 or smaller/No. 143001 or larger)
2000mm f/11 (No. 200311 or larger)
- Medical-Nikkor 120mm f/4
- Teleconverters (except non-mountable TC-16/TC-16A)

Use of other lenses may damage the camera.

Nikkor lens compatibility

| Lenses | Focusing | | Exposure mode | | | |
|--|-----------|--------|---------------|---|---|-----|
| | Autofocus | Manual | P | S | A | M |
| AF Nikkor (except AF-I Nikkor lenses/AF-Nikkor lenses for F3AF) | ○ | ○ | ○ | ○ | ○ | ○ |
| AF-I Nikkor/AI-P Nikkor | × | ○*2 | ○ | ○ | ○ | ○ |
| AI- or AI-S type Nikkor (including AI-modified Nikkor) /Reflex Nikkor/Series E *1 | × | ○*2 | × | × | × | ○*4 |
| Medical-Nikkor 120mm f/4 | × | ○ | × | × | × | ○*4 |
| Teleconverters (except TC-16/TC-16A) | × | ○*3 | × | × | × | ○*4 |
| Bellows Focusing Attachment PB-6 K ring set (K1, K3, K4 and K5) Auto Extension Rings (PK-11A, 12, 13 and PN-11) | × | ○*3 | × | × | × | ○*4 |

○ Compatible

× Incompatible

*1 Some lenses within these types/series cannot be attached.
See page 58.

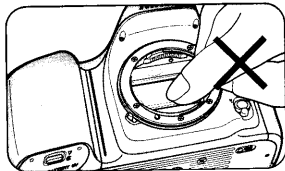
*2 Manual focus with in-focus indicator confirmation is available
with lenses that have a maximum aperture of f/5.6 or faster.

*3 Manual focus with in-focus indicator confirmation is available
with lenses that have a maximum effective aperture of f/5.6
or faster.

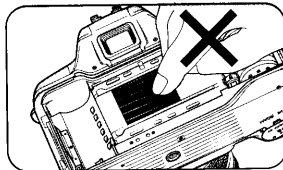
*4 Camera's exposure meter does not work. See page 58.

CAMERA CARE TIPS

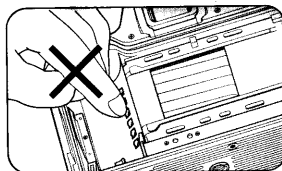
www.orphancameras.com



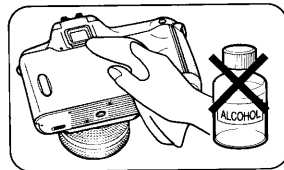
1. Do not touch the camera's reflex mirror or focusing screen. Remove dust with a blower brush.



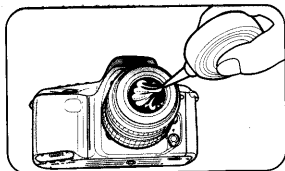
2. Do not touch the shutter curtains.



3. Do not touch the DX contacts. Keep them clean with a blower brush.



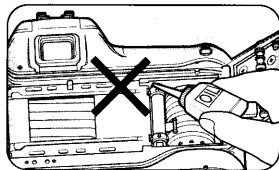
4. Clean the viewfinder eyepiece with a soft, clean cloth. Do not use alcohol.



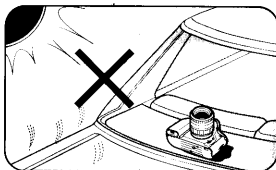
5. Clean glass surfaces, such as the lens or the eyepiece, with a blower brush; do not use lens tissue, silicon type eyeglass tissue, etc. To remove dirt and smudges, use soft cotton moistened with denatured alcohol and wipe surfaces in a spiral motion from centre to periphery. Do not leave traces.

Caution!

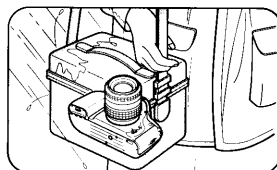
A spray gun-type blower may damage the optical glass if used to clean the lens, especially if ED glass is used for the front lens element. To avoid damage, hold the blower upright with its nozzle more than 30cm from the lens surface, and keep the nozzle moving so the stream of air is not concentrated in one spot.



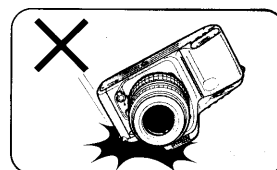
6. Do not lubricate the camera.



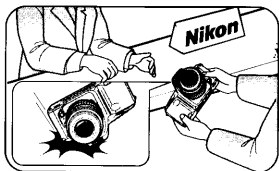
7. Do not leave the camera in an excessively hot place.



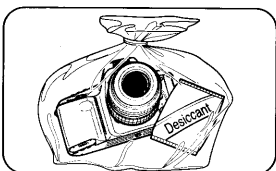
8. Keep the camera away from water or moisture. When using the camera near water, guard against splashes, especially salt water spray.



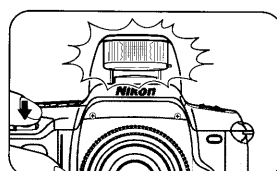
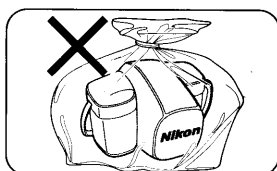
9. Make sure not to drop or bump the camera body/lens against a hard surface. Strong shock may cause malfunction.



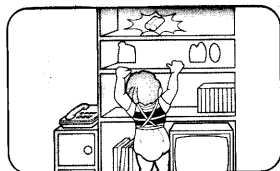
10. If the camera malfunctions, take it immediately to an authorised Nikon dealer or service centre.



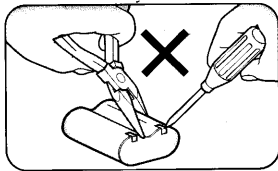
11. Store the camera in a cool, dry place away from naphthalene or camphor (moth repellent). In a humid environment, store the camera inside a vinyl bag with a desiccant to keep out dust, moisture and salt. Note, however, that storing leather cases in vinyl bags may cause the leather to deteriorate.



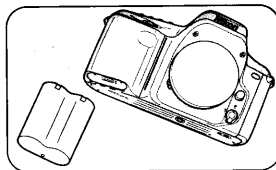
12. To maintain the built-in flash condenser in peak condition, thereby enabling you to use the flash for many years, fire the flash a few times every month.



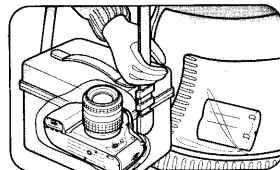
1. Keep batteries out of children's reach. If someone accidentally swallows a battery, call a doctor immediately.



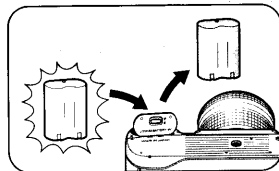
2. Do not disassemble, short circuit or heat batteries. Do not charge batteries.



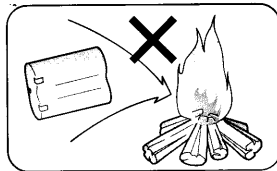
3. If you do not intend to use the camera for a long time, remove the battery.



4. Battery power diminishes at extremely low temperatures—make sure the battery you buy is fresh, and wrap the camera body in something warm.



5. When replacing a battery, be sure to use a fresh battery.



6. Do not throw used batteries into fire.



7. If the battery chamber is contaminated by battery leakage, take the camera to an authorised Nikon dealer.

| | | | |
|-----------------------------------|---|--|---|
| Type of camera | Integral-motor autofocus 35mm single-lens reflex | Exposure modes | Programmed Auto in SIMPLE mode; Programmed Auto, Shutter-Priority Auto, Aperture-Priority Auto and Manual in ADVANCED mode |
| Picture format | 24mm x 36mm (standard 35mm film format) | Programmed Auto exposure control | Both shutter speed and aperture are set; in SIMPLE mode, General-Purpose Program, Landscape Program, Portrait Program and Close-Up Program are available; in ADVANCED mode, General-Purpose Program, Landscape Program, Portrait Program, Close-Up Program, Sport Program, Silhouette Program, Night-Scene Program, and Motion Effect Program are available |
| Lens mount | Nikon F mount | Flexible Program | Possible with General-Purpose Program in ADVANCED mode when flash is off |
| Lens | AF Nikkor lenses (except AF-Nikkor 80mm f/2.8, ED 200mm f/3.5 IF, and autofocus converter TC-16/TC-16A), and non-AF Nikkor lenses (with limitation) available | Shutter-Priority Auto exposure control | Aperture automatically selected to match manually set shutter speed |
| Operation mode | SIMPLE and ADVANCED | Aperture-Priority Auto exposure control | Shutter speed automatically selected to match manually set aperture |
| Focus modes | Autofocus and manual | Manual exposure control | Both aperture and shutter speed are set manually |
| Autofocus mode | Single Servo AF and Continuous Servo AF* <i>* Continuous Servo is possible in ADVANCED mode only</i> | | |
| Autofocus detection system | TTL phase detection system using Nikon advanced AM200 autofocus module | | |
| Autofocus detection range | Approx. EV -1 to EV 19 (at ISO 100) | | |
| Autofocus lock | Possible, in Single Servo AF mode, once a stationary subject is in focus as long as the shutter release button is lightly pressed | | |
| Focus tracking | Automatically activated with a moving subject | | |

**Shutter speed/
aperture
adjustment**

Pressing the adjust button changes shutter speed or aperture in 1/2 step; holding down the adjust button rapidly changes shutter speed or aperture in one step

**Auto exposure
lock**

Available by pressing the AE-L button while the exposure meter is on

**Exposure
compensation
Exposure metering**

Possible in ADVANCED mode within ± 5 EV range in 1/2 steps Matrix Metering (for Programmed Auto, Shutter-Priority Auto, and Aperture-Priority Auto exposure modes); Centre-Weighted Metering for Manual exposure mode

**Exposure metering
range
Exposure meter
switch**

EV 1 to EV 20 at ISO 100 with f/1.4 lens
Activated by lightly pressing shutter release button; when the LCD panel shows the Exposure Mode menu, Program menu, Optional-Function menu, or Optional Function settings, stays on for approx. 60 sec.; when the LCD panel shows the Program/exposure mode, stays on for

Shutter

**Shutter release
Shutter speeds**

approx. 8 sec. with the built-in flash off or 15 sec. with the built-in flash on

Electronically controlled vertical-travel focal-plane shutter

Electromagnetic
1/2000 sec. to 30 sec.; electromagnetically controlled Time setting is provided (for ADVANCED mode)

Viewfinder

Fixed eye-level pentaprism type; 0.78x magnification with 50mm lens set at infinity; approx. 90% frame coverage

**Eyepoint
Focusing screen**

Approx. 18mm
Fixed Nikon advanced B-type BriteView screen with central focus brackets for autofocus operation In-focus/AF-impossible indication, correct exposure indicator, shutter speed, aperture, exposure information and exposure compensation indicator are shown in LCD readout; also shows flash recommended-/ready-light

**Viewfinder
information**

Automatically activates when exposure meter is on

**Viewfinder
illuminator**

| | |
|---------------------------|--|
| Film speed range | ISO 25 to 5000 for DX-coded films; ISO 6 to 6400 for non-DX-coded films (for ADVANCED mode) |
| Film speed setting | Auto for DX-coded films; manual setting for non-DX-coded films (for ADVANCED mode) |
| Film loading | Film automatically advances to frame one when camera back is closed |
| Frame counter | Accumulative type (counts down during film rewind); displayed on the LCD panel |
| Film advance | Film automatically advances one frame at approx. 1 sec. when shutter is released; film advance stops automatically at end of film roll |
| Film rewind | Automatic by built-in motor at end of film roll; manual mid-roll rewind possible by pressing rewind button |
| Self-timer | Electronically controlled; 10-sec.timer duration |
| Reflex mirror | Automatic, instant-return type |
| Camera back | Hinged back; unchangeable |
| Accessory shoe | Standard ISO-type with hot-shoe contact, ready-light contact, monitor contact, TTL flash contact |

Built-in TTL flash

Flash synchronisation speed **Automatic** **Balanced** **Fill-Flash**

Flash ready-light

Power source

Guide number: 13 meters (at ISO 100, 20°C); angle of coverage: 35mm or longer lens
1/125 sec. or slower

Possible with built-in TTL flash or Nikon dedicated Speedlights such as SB-27, SB-26, SB-25, SB-24, SB-23, SB-22, SB-20, SB-18 and SB-16B; Matrix Balanced Fill-Flash in Auto exposure modes; Centre-Weighted Fill-Flash in Manual exposure mode

Without flash: Blinks when using flash is recommended
With flash: Lights up when built-in flash or Nikon dedicated Speedlight is ready to fire; blinks after flash shooting to warn of insufficient light for correct exposure
6V lithium battery pack (2CR5 or DL245 type)

Number of 24-exposure (36-exposure) film rolls per fresh battery*

| | at 20°C | at -10°C |
|--------------------------------------|----------|----------|
| Without flash | 100 (80) | 40 (30) |
| With flash for half of all exposures | 20 (15) | 13 (10) |

* For autofocus operation with AF Zoom Nikkor 35-80mm f/4-f/5.6 D lens covering the full range from infinity to the closest distance and back to infinity before each shot, at 1/125 sec., or faster shutter speed

Dimensions (WxHxD)

F50: Approx. 149 x 96 x 70mm

F50D: Approx. 149 x 96 x 71mm

Weight (without battery inside camera body)

F50: Approx. 580g

F50D: Approx. 590g (including battery for date/time imprint function)

Optional viewing accessory

Rubber Eyecup DK-9

For Date/Time imprinting function (F50D only)
Imprint functions

Year/Month/Day, Day/Hour/Minute, No imprint, Month/Day/Year and Day/Month/Year are selectable; 24-hour built-in clock with timing accuracy within ± 90 seconds a month at normal temperature

Power source
Battery life

One 3V lithium (CR2025) battery
Approx. three years*

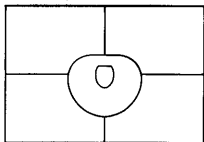
* May vary depending on extent of data imprint use and film speed in use.

With fresh battery at normal temperature (20°C).

Specifications and design are subject to change without notice.

ABOUT THE F50/F50D METERING SYSTEM

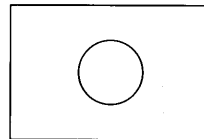
The Nikon F50/F50D has two types of exposure metering systems—Matrix Metering and Centre-Weighted Metering.



Matrix Metering

With D-type AF Nikkor lenses including AF-I Nikkor: When you set a Program, or Shutter-Priority Auto or Aperture-Priority Auto exposure mode, 3D Matrix Metering automatically activates. Even in extremely complex lighting situations, the six-segment Matrix Meter analyzes scene brightness and contrast, automatically adjusting everything to ensure correct exposure. In addition, the microcomputer built in the D-type AF Nikkor lens sends the information about camera- to-subject distance, enabling the camera's microcomputer to perform more precise exposure analysis.






If non-D-type AF Nikkor lens or AI-P Nikkor lens is used, Advanced Matrix Metering is activated; although there is no information about camera-to-subject distance, correct exposure is assured.





Centre-Weighted Metering

When you set Manual exposure mode, the camera automatically switches to Centre-Weighted Metering. Centre-Weighted Metering places special emphasis on brightness within the 12mm-diameter central area of the viewfinder, and useful to base exposure on a specific area of the scene.

| LCD panel Blinking Symbol | Viewfinder Blinking Symbol | Shutter | Cause and Remedy |
|------------------------------|-------------------------------|-----------------|---|
| | | Can be released | Battery is nearing exhaustion. Have a fresh one ready. |
| Err | | Locked | Battery is just about exhausted. Turn the power off and replace battery with new one. |
| Err | Err | Locked | a) Film is not correctly positioned. Reload film. b) Battery is exhausted during film rewind. Turn the power off and replace battery with new one. |
| Err | Err | Locked | Non-DX-coded film or film with unacceptable DX code is loaded. Switch to ADVANCED mode and set film speed manually. |
| Err (in P/S/A) | Err | Locked | Lens attached has no CPU; or no lens is attached. Attach AF Nikkor or AI-P lens. |
| (in M) | | Can be released | Lens attached has no CPU (see page 58); or no lens is attached. |
| Err | Err | Locked | Lens is not set to the smallest aperture (largest f-number) setting. Set lens to the smallest aperture. |
| Err | | Locked | Camera detects a malfunction during film advance or film rewind. Turn the camera's power off, and on again. |

| LCD panel Blinking Symbol | Viewfinder Blinking Symbol | Shutter | Cause and Remedy |
|---|---|-----------------|---|
| |  | Locked | Autofocus is impossible with the subject. Set focus mode switch to M to focus manually by rotating the lens focusing ring. |
| HI (in P / S / A) | HI | Can be released | Overexposure may occur. |
| Lo (in P / S / A) | Lo | Can be released | Underexposure may occur. |
|  (in SIMPLE mode) |  | Can be released | Automatically selected shutter speed is too slow and picture blur may occur. Use a tripod to avoid camera shake, or use built-in TTL flash or Nikon Speedlight. |
|  (in P / A in ADVANCED mode) | Shutter speed indicator | | |
| TIME Err | Err | Locked | "TIME" is set in Shutter-Priority Auto exposure mode. Set another shutter speed, or set exposure mode to Manual. |
| |  (without flash). | Can be released | Your subject is too dark. Use the built-in TTL flash or Nikon Speedlight. |

| LCD panel Blinking Symbol | Viewfinder Blinking Symbol | Shutter | Cause and Remedy |
|--|---|---------|--|
| |  (after flash shooting) | Locked | Light might be insufficient. Confirm shooting distance and, if necessary, move closer to the subject or select a wider aperture. |
| Err  (in P / S) | E r r | Locked | Speedlight attached is not set at TTL. Set the Speedlight's flash mode to TTL. Or, use Aperture-Priority Auto or Manual exposure mode. |

About LCD

- The camera uses a Liquid Crystal Display (LCD) of the highest quality which, under conditions of normal use, should provide several years of reliable operation. After this period, contrast may deteriorate and display information may start to fade. You can have the LCD replaced at a nominal charge by contacting an authorised Nikon dealer or service facility.
- At temperatures between freezing, the LCD's response time slows down; it goes back to normal when the temperature rises.
- As the temperature rises, the LCD turns reddish; as the temperature drops, the LCD turns bluish. These changes do not affect normal use.

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

"This digital apparatus does not exceed the (Class B) limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications."

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