

# Nikon



Experience the passion of photography.

# F80



# The Nikon you've been waiting for.

For photographers, nothing matches the excitement of creating a great picture — one that combines your imagination with the moment to render an entirely new image.

With the Nikon F80 in your hands, you can translate your passion into photographs that you'll be proud to call your own.

For the Nikon F80 is an outstanding single lens reflex camera that makes it possible for you to realise your creative photographic potential.

In short, the F80 is an SLR that inspires confidence.

Designed to build on the benefits of decades of field-proven Nikon expertise, the F80 offers the features you want — including fast, razor-sharp autofocus, a selection of exposure control modes, and a superb built-in Speedlight.

All of which gives you the control over photography that you demand.

Take advantage of the camera's advanced exposure and flash system, as you explore the complexities of light and shade.

Use Nikon's unparalleled Five-Area AF system for optimum flexibility and control.

Choose from the vast Nikon System of lenses and accessories.

The possibilities are amazing.

The Nikon F80. It's the SLR you've been waiting for.





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# The F80 lets you fully explore...



## Free spirits

Spontaneity, or your ability to react to situations as they happen, is a must for making the best pictures. Off-centre compositions like this have a real impact, and they're not difficult to achieve. Thanks to the F80's Five-Area Autofocus system, you can easily select the focus area to suit your composition and shoot when the moment's right. It's a degree of flexibility you'll enjoy exploring.

- ◆ **Focus mode:** Single Servo AF (S)
- ◆ **AF Area mode:** Single Area AF
- ◆ **Metering system:** 3D Matrix
- ◆ **Exposure mode:** Auto-Multi Program (P)
- ◆ **Exposure data:** f/5.6, 1/250 sec.
- ◆ **Lens:** AF Zoom-Nikkor 28-80mm f/3.3-5.6G (set at 28mm)

## Play time

Everyday situations often present extraordinary photo opportunities — if you're ready. This photo shows how shutter timing is often the deciding factor for getting a great picture. For this shot, use the F80's Closest-subject-priority in Dynamic AF mode. This feature automatically chooses the focus area as the one with the closest object in the field of view. It lets you concentrate on timing so you can get the photo — and get out of the way in time.

- ◆ **Focus mode:** Single Servo AF (S)
- ◆ **AF Area mode:** Closest-subject-priority Dynamic AF
- ◆ **Metering system:** 3D Matrix ◆ **Exposure mode:** Auto-Multi Program (P)
- ◆ **Exposure data:** f/4, 1/500 sec.
- ◆ **Lens:** AF Zoom-Nikkor 28-105mm f/3.5-4.5D IF (set at 28mm)



## Move'em out

Sometimes the best way to convey movement is not to stop it in its tracks with a fast shutter speed, but to emphasise it as this image does. Using the F80's Shutter-Priority Auto exposure mode, the camera allows you to control the shutter speed while it handles other functions automatically. By experimenting with various shutter speed settings, you can achieve a wide range of effects, like the one shown here.

- ◆ **Focus mode:** Continuous Servo AF (C)
- ◆ **AF Area mode:** Dynamic AF
- ◆ **Metering system:** 3D Matrix
- ◆ **Exposure mode:** Shutter-Priority Auto (S)
- ◆ **Exposure data:** f/5.6, 1/15 sec.
- ◆ **Lens:** AF Zoom-Nikkor 28-80mm f/3.3-5.6G (set at 80mm)





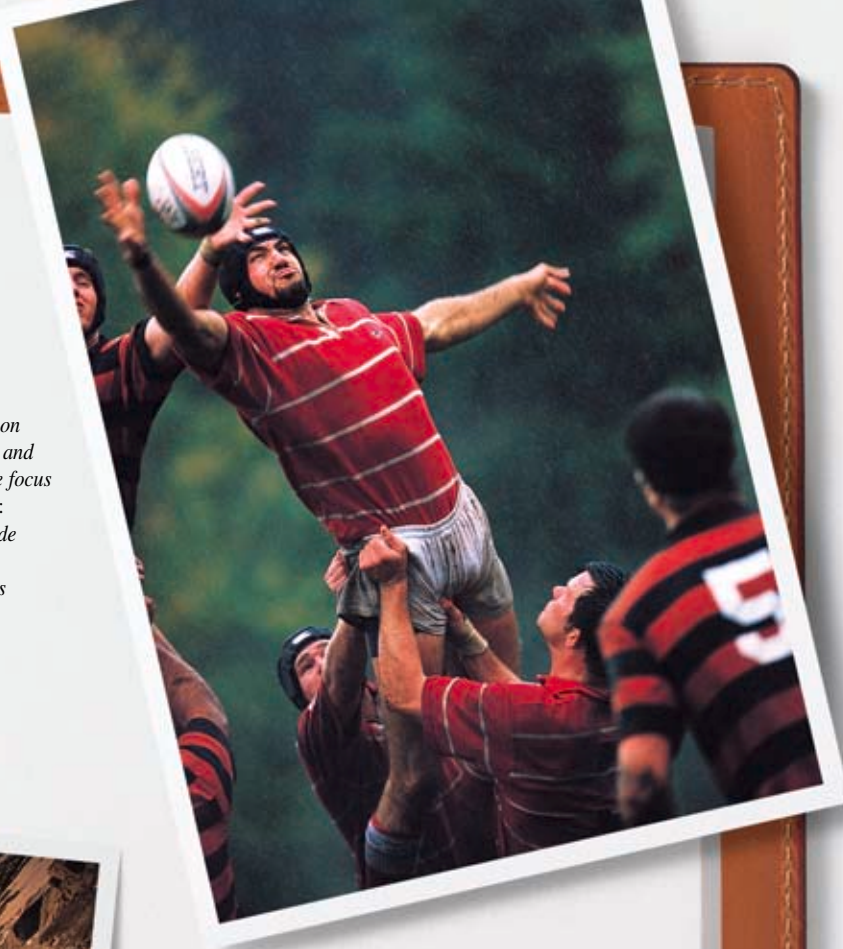


### Go for the glory

Fast-moving athletes usually don't pose on cue. Capturing the vitality of such quick and unpredictably moving subjects in precise focus is a real challenge for any photographer. That's where the F80's Dynamic AF mode comes into play.

This advanced feature uses all five AF sensors to track the subject as it moves across your viewfinder, ensuring clear and precise focusing.

- ◆ Focus mode: Continuous Servo AF (C) ◆ AF Area mode: Dynamic AF
- ◆ Metering system: 3D Matrix ◆ Exposure mode: Shutter-Priority Auto (S)
- ◆ Exposure data: f/8, 1/250 sec. ◆ Lens: AF Zoom-Nikkor 70-300mm f/4-5.6D ED (set at 300mm)



### Breathtaking vista

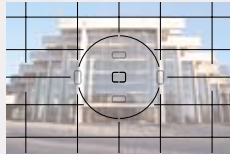
When you want to do justice to the full grandeur that nature has to offer, the F80 gives you the power to do it. Here, the Aperture-Priority Auto mode is often preferred. Select a small aperture from f/8 to f/16 for dramatic front-to-back sharpness. A wide-angle lens can add even more excitement to your landscape photography. Thanks to the electronic depth-of-field preview button, you can even check your area of sharp focus before shooting. Now all you need is a good excuse to go hiking.

- ◆ Focus mode: Single Servo AF (S) ◆ AF Area mode: Single Area AF
- ◆ Metering system: 3D Matrix ◆ Exposure mode: Aperture-Priority Auto (A)
- ◆ Exposure data: f/16, 1/60 sec. ◆ Lens: AF 20mm f/2.8D



### Symmetrical poetry

The symmetrical intensity of an architectural form may not always be so apparent, or so simple to capture. To help you with the placement of elements in your shots, you can try the F80's innovative On-Demand Grid Lines. When you choose this feature, the focusing screen displays grid lines, helping you to determine the correct angle and perspective for your shot. This feature is ideal for shooting buildings and structures or landscapes that include vertical and/or horizontal lines or shapes in them.



- ◆ Focus mode: Single Servo AF (S) ◆ AF Area mode: Single Area AF
- ◆ Metering system: 3D Matrix ◆ Exposure mode: Auto-Multi Program (P)
- ◆ Exposure data: f/5.6, 1/125 sec.
- ◆ Lens: AF Zoom-Nikkor 28-80mm f/3.3-5.6G (set at 28mm)





# ...your personal creativity.



## **The boxer**

When you want to capture the atmosphere of a subject like this evocative image of a boxer in silhouette, the F80 has all the right tools. Here, you would first use Spot Metering to meter the boxer. Since the metered area corresponds to the selected focus area, you can achieve focus and obtain exposure values at the same time. Next, manually select the exposure using M mode to underexpose the subject so that it comes out silhouetted. You can also use the camera's exposure compensation and Auto Bracketing features to experiment and get just the effect you want.

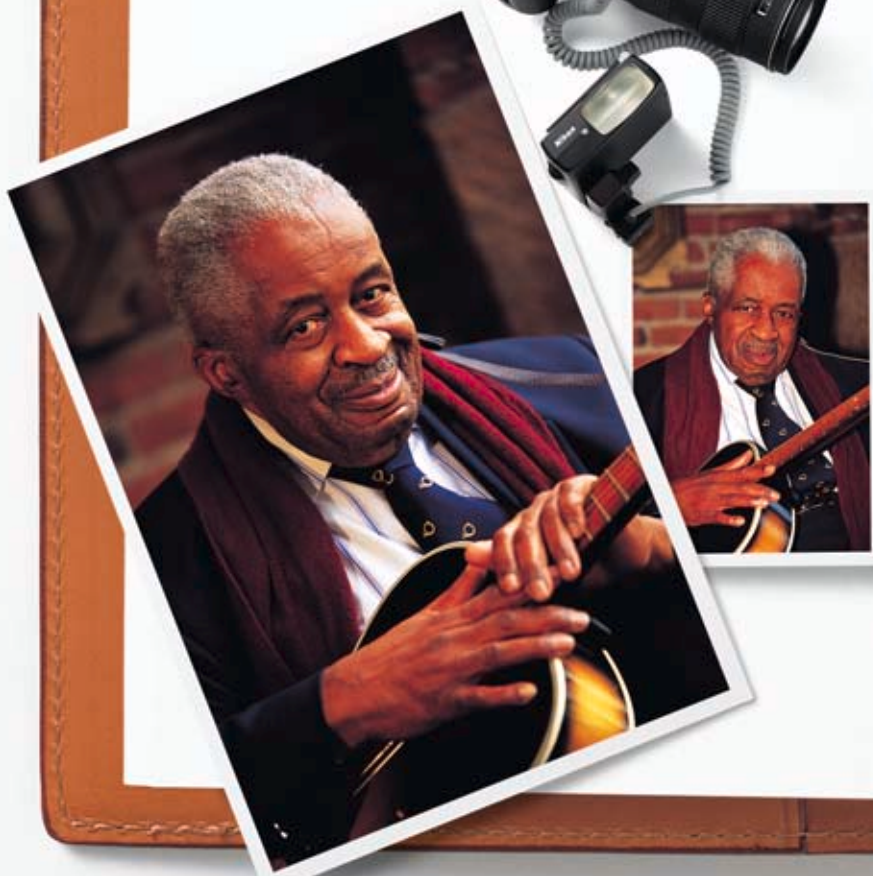
- ◆ Focus mode: Single Servo AF (S)
- ◆ AF Area mode: Single Area AF
- ◆ Metering system: Spot
- ◆ Exposure mode: Manual (M)
- ◆ Exposure data: f/5.6, 1/500 sec.
- ◆ Lens: AF Zoom-Nikkor 28-105mm f/3.5-4.5D IF (set at 28mm)



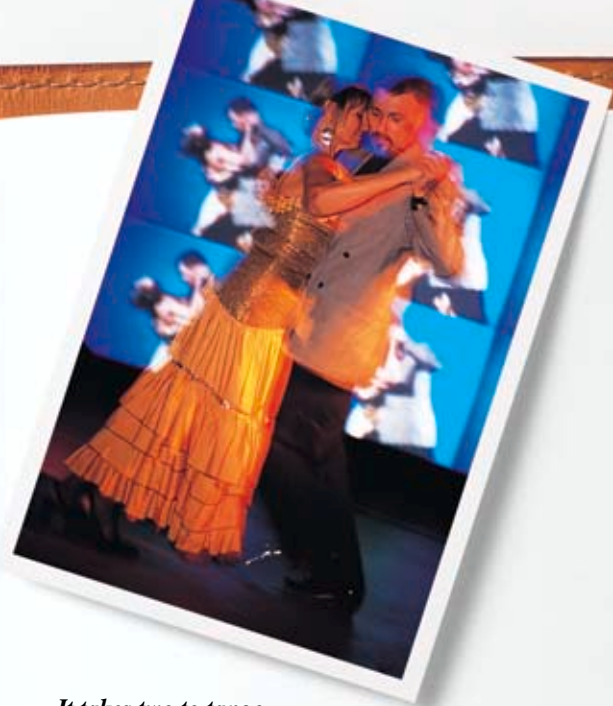
## **The living blues**

The spirit of the blues is alive and well as you can tell by this great portrait. It's also a good example of how using a remote flash with your F80 can bring out detail to create a richer photo. While the built-in flash is good for most situations, here, it would result in shadows and 'flat' lighting that tends to mute your subject. With a remote flash held off to the side, however, you can emphasise the subject while eliminating annoying background shadows.

- ◆ Focus mode: Single Servo AF (S)
- ◆ AF Area mode: Single Area AF
- ◆ Metering system: 3D Matrix
- ◆ Exposure mode: Aperture-Priority Auto (A)
- ◆ Exposure data: f/2.8, 1/125 sec.
- ◆ Lens: AF-S Zoom-Nikkor 80-200mm f/2.8D IF-ED (set at 80mm)
- ◆ Other equipment: SB-27 with TTL Remote Cord SC-17







### ***It takes two to tango***

You can almost hear the music and feel the romance in this image. When you want to create an atmospheric flash photograph, you can use the F80's Slow Sync mode. Combined with F80's Program or Aperture Priority modes, this automatically selects a slower shutter speed in low-light conditions to create a background that is full of colour and detail. Slow Sync can also be used to emphasise movement too. It works best when you mount the F80 on a tripod.

- ◆ **Focus mode:** Single Servo AF (S)
- ◆ **AF Area mode:** Single Area AF
- ◆ **Metering system:** 3D Matrix
- ◆ **Exposure mode:** Auto-Multi Program (P)
- ◆ **Flash sync mode:** Slow Sync
- ◆ **Exposure data :** f/5.6, 1/4 sec.
- ◆ **Lens:** AF Zoom-Nikkor 28-80mm f/3.3-5.6G (set at 80mm)



### ***Portrait of youth***

There's something special about creating portraits like this, for they go beyond the realm of the snapshot to convey so much more. To achieve this type of photograph, you can use flash in daylight to create "catchlights" in the subject's eyes. When you use the F80's 3D Multi-Sensor Balanced Fill-Flash, light output is controlled automatically to provide the ideal balance between ambient light and flash. This is ideal for creating naturally lit portrait shots like this.

- ◆ **Focus mode:** Single Servo AF (S) ◆ **AF Area mode:** Single Area AF
- ◆ **Metering system:** 3D Matrix ◆ **Exposure mode:** Aperture-Priority Auto (A)
- ◆ **Flash sync mode:** Normal ◆ **Exposure data:** f/4, 1/125 sec.
- ◆ **Lens:** AF DC-Nikkor 105mm f/2D



### ***Dreams and possibilities***

There are times when you want to go beyond reality to create an evocative shot like this combination of two images. With the F80, you can easily do this by setting the film advance mode to multiple exposure. Then comes the hard part — finding and then composing two or more scenes. In this case, the scenes of the woman and the doves worked perfectly to convey an ethereal quality. Of course, you can use the F80's On-Demand Grid Lines to help with more accurate image placement. You can also use exposure compensation or Auto Bracketing to obtain different effects.

- ◆ **Focus mode:** Single Servo AF (S) ◆ **AF Area mode:** Single Area AF ◆ **Metering system:** 3D Matrix
- ◆ **Exposure mode:** Manual (M) ◆ **Exposure data:** f/5.6, 1/125 sec. (for woman), f/8 1/250 sec. (for doves)
- ◆ **Lens:** AF Zoom-Nikkor 70-300mm f/4-5.6G (woman: set at 200mm, doves: set at 70mm)

### ***Hello there***

Sometimes the only way to get a great shot is to get as close as this to your subject. Intimacy, detail and surprise are some of the effects that close-ups like the one below can provide. Since both focusing and reproduction ratios are so critical with macro shooting, you should use an AF Micro-Nikkor to get the best results. Set a small aperture (from f/8 to f/22 ) with the Aperture-Priority Auto mode, and then confirm focusing with the electronic depth-of-field preview function. And then hope that your subject doesn't jump.

- ◆ **Focus mode:** Single Servo AF (S) ◆ **AF Area mode:** Single Area AF
- ◆ **Metering system:** 3D Matrix ◆ **Exposure mode:** Aperture-Priority Auto (A)
- ◆ **Exposure data:** f/8, 1/125 sec. ◆ **Lens:** AF Micro-Nikkor 60mm f/2.8D



# Challenge yourself with the F80's AF system.



Multi-CAM900 AF sensor

## Five-area autofocus system provides accuracy and flexibility

The Nikon F80 AF system features five AF sensors, including a cross-type sensor, positioned in the centre, and four additional line sensors positioned

left, right, top and bottom of the viewfinder frame.

This array of AF sensors covers a wide area in both the horizontal and the vertical ranges.

And thanks to the placement of top and bottom sensors, the camera offers a cross-array of AF sensing even when you shoot vertical compositions.

The system is simple to use. Just press the focus area selector in the direction you want to move the AF sensor, and that area will then be superimposed in the viewfinder. And because the system lets you select the primary AF sensor before the camera is even at eye level, you can effectively anticipate the

action and be instantly ready as you bring the F80 to eye level.

## Three AF Area modes for tailor-made focusing

The F80's **Dynamic AF mode** ensures accurate focusing, even if your subject moves from its original position after you've selected a focus area. In this mode, the focus area will automatically shift from your selected focus area to the one in which the subject has moved. This makes it ideal for shooting action photos and others with unpredictably moving subjects.

The F80 also offers **Closest-subject-priority Dynamic AF mode**. Here, the camera automatically selects the focus area with the closest subject, so you can concentrate on shutter timing and shoot at will. This mode is ideal for candid photography.

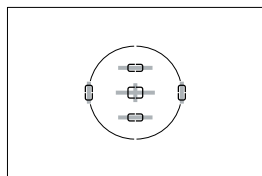


Lock-On™ Autofocus

Then there's **Single Area AF mode**, which lets you choose a specific section of the frame (one of the five focus areas) and designate it as the primary area for focusing. This mode is ideal for shooting portraits, landscapes and other stationary subjects.

## Focus Tracking with Lock-On™ follows the action with precision

Another hallmark of Nikon's AF system is Focus Tracking, which enables you to focus continuously on a moving subject.



Position of AF sensors in the viewfinder



Dynamic AF: Focus stays on the subject even though the subject moves out of the selected area by shifting focus area automatically.



AF-S Zoom-Nikkor 80-200mm f/2.8D IF-ED, equipped with an SWM (Silent Wave Motor), attached to a Nikon F80.



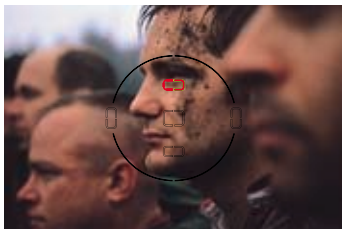


*When it comes to getting the right focus for the shots you want, the F80 gives you all the tools you need with its field-proven AF system. This system provides fast and accurate autofocus that effectively responds to your control and decisions. You'll find more ways to make more shots work by exploring the many uses of the camera's three AF Area modes, five-area AF sensors and other features. Superior autofocus is just one of the many advantages that make Nikon, and the F80, stand apart.*

Vari-Brite Focus Area display



When subject brightness is sufficient.



When subject brightness is not sufficient.

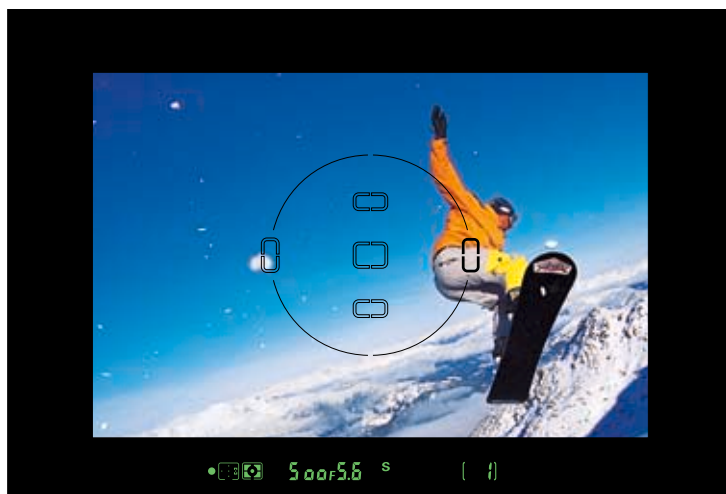
Thanks to Nikon's unique overlap Servo method, the F80's AF system focuses and drives the lens simultaneously, to offer fast and accurate AF operation.

Furthermore, thanks to Lock-On™

Autofocus, the same technology used within Nikon's pro models — the F100 and F5 — the F80 will continue to track your main subject during Focus Tracking even if something momentarily blocks it in the viewfinder or it moves off of an AF sensor. This feature is ideal for sports or nature photography where action is often swift and unpredictable.

### Vari-Brite Focus Area display provides at-a-glance confirmation

The F80 incorporates a convenient Vari-Brite Focus Area display system. Once you've selected a focus area, it is automatically superimposed in black in the viewfinder, and momentarily illuminated in red when you focus on a dark-coloured or poorly lit subject.



### Built-in AF-Assist Illuminator

Thanks to the F80's AF-Assist Illuminator, you're never completely in the dark. When ambient

light is insufficient for autofocusing, the AF-Assist Illuminator automatically lights up the subject. This feature works in AF-S mode when the centre focus area is selected or Closest-subject-priority DynamicAF mode is activated. It allows you to take sharply focused pictures even in total darkness.

Note: The AF-Assist Illuminator is compatible with 24mm to 200mm lenses with some exceptions.



# Make the light work for you.



3D Matrix Metering



Spot Metering

## Three metering systems for advanced control

The F80's **10-segment 3D Matrix Metering** provides intelligent image analysis. In addition to reading brightness, the system analyses the "atmosphere" of a scene by taking the entire image into account. It achieves this by comparing the exposure information of the more than 30,000 scenes in the camera's database with a complex array of actual scene conditions, including brightness, contrast, subject-to-



10-segment Matrix sensor

camera distance and the selected focus area. This results in automatic exposure control that is astonishingly accurate. Database performance is an exclusive Nikon feature.

As its name indicates, **Centre-Weighted Metering** concentrates the sensing area on the centre of the viewfinder. This is useful for shooting portraits or other centre-dominant subjects.

**Spot Metering** gives you true pinpoint precision. Select this and the sensing area adjusts to correspond to the focus area you select manually. This is ideal when individual control is critical.

**Four exposure modes — P, S, A, M** **Auto-Multi Program mode (P)** works with each of the F80's built-in light meters, including 3D Matrix Metering to provide the quickest and simplest exposure control option. **Flexible Program** lets you shift the combination of aperture and shutter speed set by P mode.

Choose **Shutter-Priority Auto** exposure mode (**S**) when you want to stop action in its tracks or blur movement for creative effect. This mode allows you to select shutter speeds between 30 seconds and 1/4000 of a second. After selecting your desired shutter speed, the F80's microcomputer automatically selects the correct aperture to match.

**Aperture-Priority Auto** exposure mode (**A**) is ideal when you want to explore the uses of depth of field. After selecting the aperture you want, the F80's microcomputer automatically selects the correct



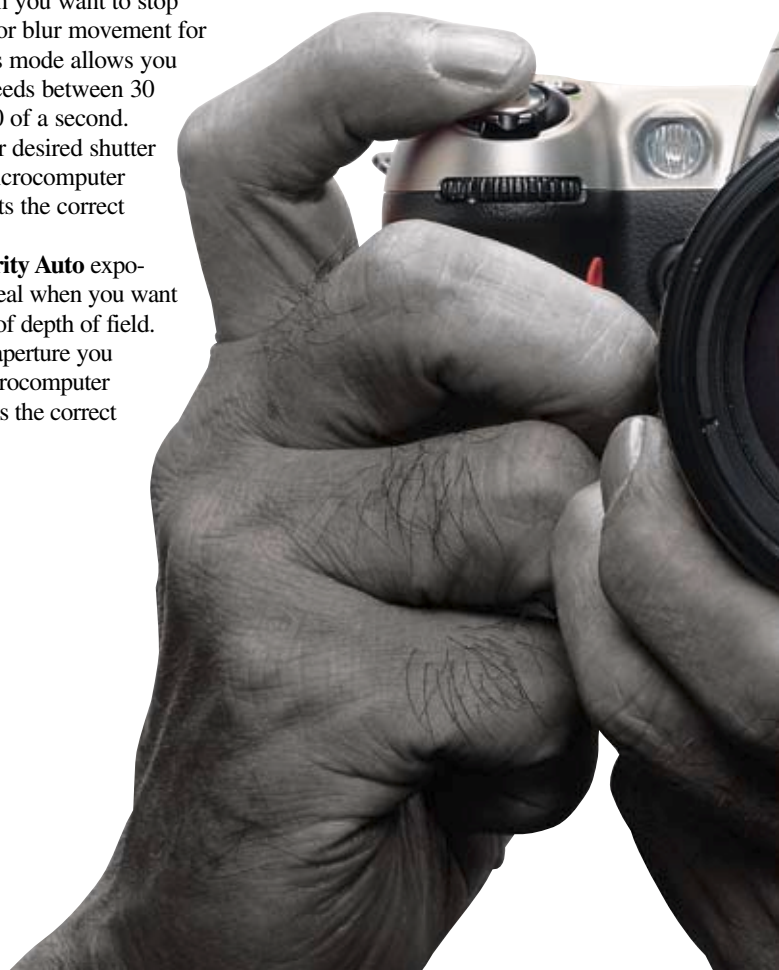
Shutter-Priority Auto

shutter speed for you.

For total exposure control, choose **Manual** exposure mode (**M**). This lets you choose both the shutter speed and aperture. The electronic analogue display in the viewfinder and the top-deck LCD show you the degree of exposure deviation from the metered value.

## Exposure compensation and Auto Exposure Bracketing

To experiment with varying degrees of





Of all the factors that come into play when making a photograph, light can be the most difficult to deal with. So Nikon's given the F80 an array of features that make managing the art of light a challenge that you'll enjoy. These include a 10-segment 3D Matrix Metering system, four exposure modes, a built-in Speedlight and advanced flash modes. They're all designed to give you the control you need to create the images you want.

#### Auto Exposure Bracketting



brightness for an image, you can take pictures of the same scene with different EV values. Using the exposure compensation button, for example, you can compensate the exposure within a range of  $\pm 3$  in  $1/2$  EV increments. Or you can perform exposure bracketing of two or three frames in 0.5 to 2.0 EV steps with all exposure modes including Manual.

#### AE-L (Auto Exposure Lock)

Press the AE-L button and the F80 memorises the metered exposure value.

Use this feature

when you want to change the composition or emphasise a specific part of the picture with Centre-Weighted or Spot Metering in any automatic exposure mode.

#### Multiple Exposure

Set the film advance mode to multiple exposure to take as many images as you like on the same frame. When shooting in daylight, some degree of exposure compensation will be necessary.

#### Built-in Speedlight gives you the power to control the light

The F80's built-in Speedlight makes it easier for you to explore the creative uses of flash photography. It offers coverage for lenses as wide as 28mm and boasts a guide number of 12 (ISO 100, m).

Nikon placed the built-in Speedlight to operate at a higher position than that of other cameras, so the light reaches the subject unobstructed by the attached lens. Flash features include Slow Sync, Rear-Curtain Sync, Red-Eye Reduction and Flash output level compensation.

#### 3D Multi-Sensor Balanced Fill-Flash system

The F80 features a high-perfor-



Slow Sync



TTL Multi Sensor

mance 3D Multi-Sensor Balanced Fill-Flash system based on that of the Nikon F100 and F5.

It analyses scene

brightness, contrast and subject reflectance to determine precisely the amount of flash needed to create a well-balanced picture — an instant before you take the photo. This is achieved by the camera's Five-segment TTL Multi Sensor and Monitor Pre-flash function.

#### Slow Sync

Slow Sync flash mode extends the automatically controlled shutter speed range in P and A exposure modes.

Use this feature to bring out the background details when shooting in low-light situations, or with an illuminated background.

#### Rear-Curtain Sync

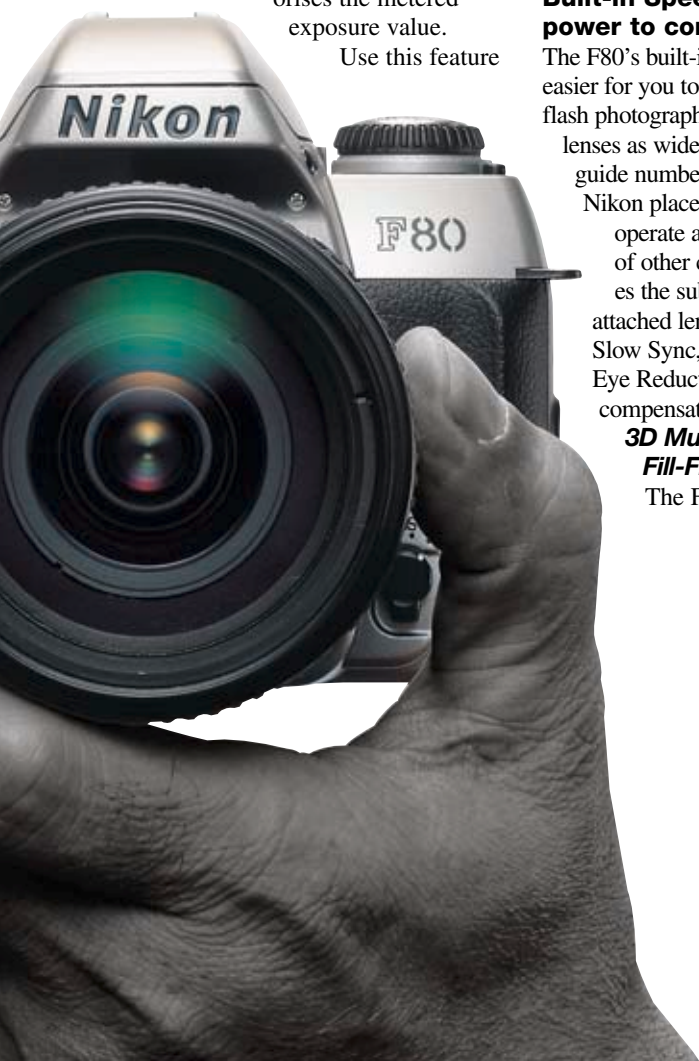
With this function, the flash fires just before the second (or rear) curtain of the shutter begins to move, unlike Normal Sync which fires the flash at the beginning of the exposure. This creates a stream-of-light effect that follows the flash-illuminated subject.

#### Red-Eye Reduction

Before the shutter is released, the camera's Red-Eye Reduction lamp lights up to contract the pupils of the subject's eyes, and reduces the appearance of red-eye.

#### Flash output level compensation

You can compensate the flash output level -3 to +1 EV in  $1/2$  steps. This lets you control the intensity of the flash to create even more exciting fill-flash photographs.



# A world of excellence at your command.



AF Fisheye-Nikkor 16mm f/2.8D

## AF Nikkor lenses

Like all Nikon SLRs, the F80 features the Nikon F lens mount which gives you access to the vast lineup of Nikkor lenses including a wide range of non-AF Nikkor lenses. Once you use a Nikkor lens, you'll see why so many professionals depend on them to get the finest results. When an AF Nikkor lens is attached, the F80 automatically determines which one it is, and makes the necessary adjustments for optimal performance. This degree of performance is only available with an AF Nikkor lens.

The extensive Nikkor range includes Zoom, Micro, Defocus Control, Perspective Control, Super Wide and Telephoto Nikkor lenses, as well as AF-S Nikkors that feature SWMs (Silent Wave Motors) for ultra-quiet, highly precise operation. There is a VR Nikkor lens that features Vibration Reduction System to minimise image blur caused by camera shake. With autofocus or manual operation, you'll get consistently sharp results whichever lens you use.

### Usable lenses with built-in Speedlight

28mm to 300mm CPU lenses can be used with the built-in Speedlight

- Make sure to remove the lens hood.
- The built-in Speedlight cannot be used at shooting distance less than 0.6m.

*Vignetting occurs at the edges of the frame resulting in underexposure with the following zoom lenses, which have limitations in usable focal length or shooting distance:*

AF-S 17-35mm f/2.8D IF-ED: 35mm focal length at 1.5m or longer shooting distance; AF 18-35mm f/3.5-4.5D IF-ED: 28mm focal length at 1m or longer shooting distance; AF 24-85mm f/2.8-4D IF: 28mm focal length at 1m or longer shooting distance; AF-S 24-85mm f/3.5-4.5G IF-ED: 28mm or longer focal length; AF 24-120mm f/3.5-5.6D IF: 28mm focal length at 0.8m or longer shooting distance; AF-S 28-70mm f/2.8D IF-ED: 50mm focal length at 0.8m or longer shooting distance; AF 28-100mm f/3.5-5.6G: 28mm focal length at 1m or longer shooting distance; AF 35-70mm f/2.8D: 35mm focal length at 0.8m or longer shooting distance; AF Micro 70-180mm f/4.5-5.6D ED: 75mm focal length at 0.7m or longer shooting distance.

Note: The data above relates to positive films. The amount of vignetting decreases when the images are viewed in regular colour prints, the edges of which are cropped during photo processing.

<b>AF Nikkors</b>	AF 70-300mm f/4-5.6D ED	AF 50mm f/1.8D	AF-I Teleconverter TC-20E
AF-S 17-35mm f/2.8D IF-ED	AF 70-300mm f/4-5.6G	AF 85mm f/1.4D IF	AF-S Teleconverter TC-20E II
AF 18-35mm f/3.5-4.5D IF-ED	AF-S 80-200mm f/2.8D IF-ED	AF 85mm f/1.8D	AF Micro 60mm f/2.8D
AF 24-50mm f/3.3-4.5D	AF 80-200mm f/2.8D ED	AF DC 105mm f/2D	AF Micro 105mm f/2.8D
AF 24-85mm f/2.8-4D IF	AF VR 80-400mm f/4.5-5.6D ED	AF DC 135mm f/2D	AF Micro 200mm f/4D IF-ED
AF-S 24-85mm f/3.5-4.5G IF-ED	AF 14mm f/2.8D ED	AF 180mm f/2.8D IF-ED	AF Micro 70-180mm f/4.5-5.6D ED
AF 24-120mm f/3.5-5.6D IF	AF Fisheye 16mm f/2.8D	AF 300mm f/2.8 IF-ED	
AF-S 28-70mm f/2.8D IF-ED	AF 18mm f/2.8D	AF-S 300mm f/2.8D IF-ED II	
AF 28-80mm f/3.3-5.6G	AF 20mm f/2.8D	AF-S 300mm f/4D IF-ED	
AF 28-100mm f/3.5-5.6G	AF 24mm f/2.8D	AF-S 400mm f/2.8D IF-ED II	
AF 28-105mm f/3.5-4.5D IF	AF 28mm f/1.4D	AF-S 500mm f/4D IF-ED II	
AF 28-200mm f/3.5-5.6D IF	AF 28mm f/2.8D	AF-S 600mm f/4D IF-ED II	
AF 35-70mm f/2.8D	AF 35mm f/2D	AF-I Teleconverter TC-14E	
AF-S VR 70-200mm f/2.8G IF-ED	AF 50mm f/1.4D	AF-S Teleconverter TC-14E II	

### Lens Compatibility Chart (IX-Nikkor lenses cannot be used)

Lens	Focusing		Exposure Mode				Metering System		
	AF	Electronic Rangefinder <sup>1</sup>	P mode	S mode	A mode	M mode	Matrix	Centre-Weighted	Spot
<b>AF-S &amp; D-/G-type AF Nikkors<sup>5</sup></b>	✓	✓	✓	✓	✓ <sup>2</sup>	✓ <sup>2</sup>	✓ <sup>3</sup>	✓	✓ <sup>4</sup>
<b>AF-S &amp; AF-I Teleconverters<sup>6</sup></b>	✓ <sup>1</sup>	✓	✓	✓	✓ <sup>2</sup>	✓ <sup>2</sup>	✓ <sup>3</sup>	✓	✓ <sup>4</sup>
<b>Non-D-type AF Nikkors</b>	✓	✓	✓	✓	✓ <sup>2</sup>	✓ <sup>2</sup>	✓	✓	✓ <sup>4</sup>
<b>AI-P-type Nikkors</b>	—	✓	✓	✓	✓ <sup>2</sup>	✓ <sup>2</sup>	✓	✓	✓ <sup>4</sup>
<b>AI-type Nikkors</b>	—	✓	—	—	—	✓ <sup>7</sup>	—	—	—
<b>Reflex-Nikkors</b>	—	—	—	—	—	✓ <sup>7</sup>	—	—	—
<b>PC-Nikkor</b>	—	✓ <sup>8</sup>	—	—	—	✓ <sup>7</sup>	—	—	—
<b>D-type PC-Nikkor<sup>9</sup></b>	—	✓ <sup>10</sup>	—	—	—	✓	✓	✓	✓
<b>AI-type Teleconverters</b>	—	✓	—	—	—	✓ <sup>7</sup>	—	—	—

✓ Compatible — Incompatible

- 1 With maximum effective aperture of f/5.6 or faster.
- 2 Aperture is selected via Sub-Command Dial
- 3 3D Matrix Metering is selected.
- 4 Metering area corresponds to the selected focus area.
- 5 G-type Nikkor has no aperture ring. Aperture should be selected from camera body.

6 Compatible with AF-S and AF-I Nikkor lenses except AF-S 17-35mm f/2.8D IF -ED, AF-S 24-85mm f/3.5-4.5G IF-ED and AF-S 28-70mm f/2.8D IF-ED.

7 Camera's built-in exposure meter does not work.

8 Without shift.

9 The camera's exposure metering and flash control system do not work properly when shifting and/or tilting the lens, or when using an aperture other than the maximum aperture.

10 Without shifting and/or tilting the lens.





With the Nikon F80, you get more than a fine SLR camera, you gain access to a world of lenses and accessories that professionals the world over rely on to make great photography. You'll find each Nikkor lens and accessory is designed to work seamlessly with the F80 to deliver optimum results.

### Dedicated Accessories

- **Battery Pack MB-16**

Accepts four AA-size batteries.

- **Camera cases**

The CF-59 houses the F80 plus AF 28-80mm f/3.3-5.6G or any smaller lens. For the AF 24-120mm f/3.5-5.6D IF or any smaller lens, choose case CF-60.

### Nikon Speedlights

If you want more flash power you can add as an option a Nikon Speedlight like the SB-80DX or SB-50DX. These extend shooting range, and feature bounce flash, auto zoom and more. The SB-50DX even offers double-flash bounce operation and Wireless Slave Flash function.

### TTL Multi-Flash System

- **TTL Remote Cords (SC-17/SC-18/ SC-19)**

Used with an accessory Nikon Speedlight, TTL Remote Cord SC-17 offers easy off-camera TTL flash control capability. TTL Multi-Flash Sync Cords SC-18/SC-19 connect multiple TTL flash units through the TTL Multi-Flash terminal, TTL

Multi-Flash Adaptor AS-10 or TTL Remote Cord SC-17.

- **Wireless Slave Flash Controller SU-4 with Diffuser SG-2**

When connected to an accessory Nikon Speedlight, the SU-4 enables wireless TTL multiple flash control while using the F80's built-in Speedlight as a master unit. The Diffuser SG-2 is provided to reduce the flash output of the built-in Speedlight. You can use several SU-4 Flash Controllers simultaneously, too.

Note: You must choose Spot Metering or Manual exposure mode to cancel the Monitor Pre-flash before using the SU-4.

### Eyepiece Correction Lenses

Nine optional eyepiece correction lenses let you adjust the dioptre beyond its standard range of  $-1.8$  to  $+0.8\text{m}^{-1}$ .

### Close-Up Attachment Lenses

These give you a simple way to try your hand at close-up photography. Seven types available — 0, 1, 2, 3T, 4T, 5T, 6T.

### Cable Release AR-3

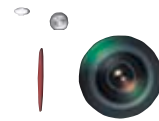
This ensures one-hand, vibration-free shutter release operation.

### Nikon Filters

Nikon offers a full line-up of filters including Circular Polarising filters, Soft Focus filters and Skylight filters. These can add a colourful and exciting dimension to your pictures. They enhance the results you get from your Nikon lens, so use only Nikon filters for consistently great results.

### Eyepiece Magnifier DG-2

Provides 2x magnification of the central portion of the viewfinder image. Useful for critical focusing in close-up photography. An eyepiece adaptor is required.



MB-16



SB-50DX

SB-80DX



SC-17 (1.5m)



SC-18 (1.5m)/  
SC-19 (3m)



SU-4 attached to the SB-27



Eyepiece Correction Lenses



Close-Up Attachment Lenses



AR-3



Nikon Filters



DG-2



# Nomenclature/Controls



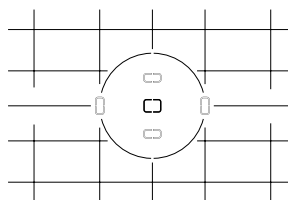
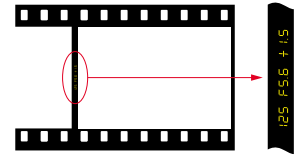
- 1 Depth-of-field preview button
- 2 Sub-Command Dial
- 3 Power switch
- 4 Release socket
- 5 Shutter release button
- 6 Flash output level compensation button
- 7 LCD illuminator/Film rewind button
- 8 Exposure compensation button
- 9 LCD panel
- 10 Self-timer/AF-Assist Illuminator/Red-Eye Reduction lamp
- 11 Accessory shoe
- 12 Exposure mode/Custom Setting/ISO film speed select dial
- 13 Film advance mode selector
- 14 Film advance mode selector lock release
- 15 Speedlight lock-release button
- 16 Camera back lock release lever
- 17 Lens release button
- 18 Focus mode selector
- 19 Tripod socket
- 20 Focus area selector lock lever
- 21 Focus area selector
- 22 AF Area mode selector
- 23 Film confirmation window
- 24 Auto Exposure Bracketing button
- 25 Flash sync mode/Film rewind button
- 26 Dioptre adjustment lever
- 27 AE-L/AF-L button
- 28 Metering system dial
- 29 Main-Command Dial
- 30 Battery chamber cover lock release



## QD and Data Imprint versions

The F80 is available in a standard version, and a QD version (F80D) that allows you to print the date or time, and a special QD version (F80S) that also imprints exposure data between frames.\*

\*The camera's film advance speed slows down when exposure data imprinting is selected.



## On-Demand Grid Lines displayed in viewfinder

A new Nikon Advanced Focusing Screen Display allows the superimposition of On-Demand Grid Lines. These horizontal and vertical lines assist in determining compositional balance and are also helpful for shooting architectural photography or landscapes that include horizons. (Activated via Custom Setting #4.)

## Complete control at your fingertips



### Electronic depth-of-field preview button

This lets you confirm the zone of sharpest focus (in all exposure modes) before shooting.



### Exposure mode/Custom Setting/ISO film speed select dial

With this dial, you can select the F80's exposure modes (P, S, A, M) and control the Custom Settings and film speed settings (DX auto or manual).



### Dioptre adjustment

Enables near- or far-sighted photographers to adjust the eyepiece dioptre from -1.8 to +0.8m<sup>-1</sup>.



### Film advance modes

Single (S) and Continuous (C) are available. When using Continuous Servo AF mode with film advance mode, the F80 delivers a film advance speed of approximately 2.5 fps.



### Top deck LCD panel

The easy-to-see LCD panel gives you at-a-glance access to vital information. It can be illuminated for viewing in dim light.



### Two Command Dials

Use the Main-Command Dial to select the shutter speed when using Shutter-Priority Auto or Manual, and a range of other camera settings. The Sub-Command Dial allows you to select aperture with Aperture-Priority Auto or Manual. Custom Setting #12 lets you switch the functions of the two Command Dials.

## Custom Settings

With the Custom Settings feature, you can change the camera's default settings and create your own combination of functions.

- #1 Auto film rewind at end of film roll
  - 0: Activated (initial setting)
  - 1: Disabled
- #2 Reset to DX film speed setting for new film
  - 0: Activated (initial setting)
  - 1: Disabled
- #3 Bracketing order
  - 0: Metered value, under, over (initial setting)
  - 1: Under, metered value, over

### #4 On-Demand Grid Lines superimposition display

- 0: Not displayed (initial setting)
- 1: Displayed

### #5 Illumination for superimposition

- 0: Automatically illuminated for low light (initial setting)
- 1: Cancelled
- 2: Always illuminated (initial setting)

### #6 Focus area selection

- 0: Normal selection (initial setting)
- 1: Enables successive rotation of focus area selection

### #7 AE locks when shutter release button is lightly pressed

- 0: Disabled (initial setting)
- 1: Activated

### #8 Auto film loading when camera back is closed

- 0: Enabled (initial setting)
- 1: Disabled (enabled by pressing shutter release button)

### #9 Closest-subject-priority Dynamic AF in AF-S mode

- 0: Enabled (initial setting)
- 1: Disabled (selected focus area is priority area)

### #10 Closest-subject-priority Dynamic AF in AF-C mode

- 0: Disabled (initial setting; selected focus area is priority area)
- 1: Enabled
- 2: AE lock
- 3: AE lock (remains locked until button is pressed again)
- 4: AF operation only starts by pressing AE/AF-L button

### #11 AE/AF-L button

- 0: AE/AF simultaneous lock (initial setting)
- 1: AE lock
- 2: AF lock
- 3: AE lock
- 4: AF operation only starts by pressing AE/AF-L button

### #12 Command Dial functions

- 0: Main-Command Dial for shutter speed; Sub-Command Dial for aperture setting (initial setting)
- 1: Main-Command Dial for aperture setting; Sub-Command Dial for shutter speed

### #13 Film rewind

- 0: High-speed film rewind (initial setting)
- 1: Quiet film rewind

### #14 Multiple exposure

- 0: Single shutter release operation (initial setting)
- 1: Continuous shutter release operation

### #15 Time delay for auto meter-switch-off

- 4: Four seconds
- 6: Six seconds (initial setting)
- 8: Eight seconds
- 16: 16 seconds
- 2: Two seconds
- 5: Five seconds
- 10: 10 seconds (initial setting)
- 20: 20 seconds

### #16 Self-timer duration

- 0: Disabled (initial setting)
- 1: Activated

### #18 AF-Assist Illuminator activation

- 0: Activated (initial setting)
- 1: Disabled

### #19 ISO film speed setting for data imprint between frames (F80S only)

- 0: Automatically (initial setting)
- 1: Under ISO 25
- 2: ISO 32-80
- 3: ISO 100
- 4: ISO 125-200
- 5: Over ISO 250



# Specifications

**Type of camera** Integral-motor autofocus 35mm single-lens reflex with electronically controlled focal-plane shutter and built-in Speedlight

**Exposure modes** **P**: Auto-Multi Program (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-/G-type AF Nikkor**: All functions possible; **PC Micro-Nikkor 85mm f/2.8D**: All functions except autofocus and exposure modes other than Manual possible without shifting and/or tilting the lens; **AF Nikkor other than D-/G-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; **IX-Nikkor**: Cannot be used; **Non-CPU**: Usable in Manual exposure mode (exposure meter cannot be used); **Electronic Rangefinder** usable with lens with maximum aperture of f/5.6 or faster

**Viewfinder** Fixed eye-level pentaprism, built-in diopter adjustment (-1.8 to +0.8m<sup>-1</sup>)

**Eye point** 17mm (at -1.0m<sup>-1</sup>)

**Focusing screen** Clear Matte Screen II with focus brackets and On-Demand Grid Lines able to display

**Viewfinder frame coverage** Approx. 92%

**Finder magnification** Approx. 0.75x with 50mm lens set to infinity (at -1.0m<sup>-1</sup>)

**Viewfinder information** Focus indications, metering system, AE lock, shutter speed, aperture, exposure mode, electronic analogue exposure display/exposure compensation display, exposure compensation, frame counter/exposure compensation value, ready-light, multiple exposure, focus area, flash exposure compensation, five sets of focus brackets (area)/Spot Metering area, ø12mm reference circle for Centre-Weighted metering, On-Demand Grid Lines able to display

**Reflex mirror** Automatic, instant-return type


**Lens aperture** Instant-return type, with depth-of-field preview button

**Autofocus** TTL phase detection, Nikon Multi-CAM900 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 modes** Single Area AF and Dynamic AF (Dynamic AF Mode with Closest Subject Priority is available)


**Focus lock** Focus is locked by pressing  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; Centre-Weighted Metering; Approx. 75% of the meter's sensitivity concentrated on the 12mm dia. circle; and Spot Metering: 4mm dia. circle (approx. 1% of entire frame)

**Metering range** 3D Matrix Metering: EV 0-21; Centre-Weighted Metering: EV 0-21; Spot Metering: EV 3-21 (at normal temperature, ISO 100, 50mm f/1.4 lens)

**Exposure meter coupling** CPU

**Exposure compensation** Exposure compensated in ±3 EV range, in 1/2 steps

**Auto Exposure Lock** Detected exposure value locked by pressing  button

**Auto Exposure Bracketing** Bracketing range: ±2 EV; Number of shots: two or three; Bracketing steps: 0.5, 1, 1.5 or 2 EV

**Film speed setting** DX or manual selectable; Film speed range: DX: ISO 25-5000, Manual: ISO 6-6400 in 1/3 steps

**Shutter** Electronically controlled vertical-travel focal-plane shutter

**Release terminal** Available on the shutter release button

**Shutter speeds** In **P**, **A**: 30 to 1/4000 sec.; In **S**: 30 to 1/4000 sec. (in 1/2 steps); In **M**: 30 to 1/4000 sec. (in 1/2 steps), buLb

**Sync contact** X-contact only; flash synchronisation up to 1/125 sec.

**Built-in Speedlight** Activated by pressing Speedlight lock-release button, guide number: 12 (at ISO 100, m); flash coverage: 28mm or longer lens; film speed range: ISO 25 to ISO 800

**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 built-in Speedlight, SB-80DX, 27, 50DX, and D-/G-type Nikkor lens; Multi-Sensor Balanced Fill-Flash with built-in Speedlight or Speedlight such as SB-80DX, 29s, 27, 50DX, 23, 22s, 30 and AF Nikkor other than D-/G-type or AI-P Nikkor lens (except for AF Nikkor for F3AF)

Standard TTL: With built-in Speedlight, SB-80DX, 29s, 27, 50DX, 23, 22s, 30 and non-CPU Nikkor lens; or with built-in Speedlight, SB-80DX, 29s, 27, 50DX, 23, 22s, 30 and exposure mode set to manual or metering system to Spot

**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 built-in Speedlight, SB-80DX, 27, 50DX, 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

**Self-timer** Electronically controlled; timer duration: 10 sec.

**Depth-of-field preview**

**button** Stop-down lens aperture by pressing depth-of-field preview button

**Film loading** Film automatically advances to first frame when camera back is closed (shutter and reflection mirror not activated)

**Film advance** Automatic advance with built-in motor;  ,  selectable; Film advance speed (with Manual focus, Manual exposure mode, shutter speed 1/125 sec. or faster [imprint data between film frames not selected for F80S]), 36-exposure film):  : One frame advance;  : Continuous shooting, Approx. 2.5 fps (3V lithium batteries)

**Film rewind** Automatic rewind with built-in motor; Rewind speed with 36-exposure film and 3V lithium batteries: High-speed film rewind: approx. 15 sec., Quiet film rewind: approx. 23 sec.

**Multiple exposure** Activated using film advance mode dial

**LCD panel information (illuminator built-in)** DX indication, shutter speed/exposure compensation value, aperture, exposure compensation, flash exposure compensation, Auto Exposure Bracketing, Bracketing bar graphs, Custom, Flexible Program, flash sync mode, AF Area mode, focus area, battery power, frame counter

**Date/time imprint function (F80D/F80S only)** Built-in clock: 24-hour type with timing accuracy within ±90 seconds a month; leap year adjustment until 2049; Usable film: ISO 32 to 3200 DX-coded film; Display mode: Year/Month/Day, Day/Hour/Minute, No Imprint, Month/Day/Year and Day/Month/Year;

**Shooting data imprint function (F80S only)** Selected/cancelled with shooting data imprint dial; Imprinted data:




Shutter speed, aperture and exposure compensation value (selected compensation value); Imprinted location: Between film frames

**Camera back** Hinged back with film confirmation window; AF Area mode selector, focus area selector; F80D/F80S: Data imprint LCD panel/buttons; F80S: Shooting data imprint dial

**Power source** Two 3V CR123A or DL123A lithium batteries; optional Battery Pack MB-16 is also available (for four LR6 AA-size alkaline, FR6 lithium, NiCd or Ni-MH batteries)

**Power switch** Power ON and OFF 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 after power is turned off

**Battery power confirmation** In LCD panel, with exposure meter on;  for sufficient power;  indicates batteries are nearing exhaustion; Blinking  indicates batteries are just about exhausted



**Usable number of 36-exposure film rolls (without flash/with flash for half of all exposures)**

	at 20°C	at -10°C
Two 3V lithium	Approx. 50/15	Approx. 35/10
<b>With MB-16</b>		
Four AA-size alkaline	Approx. 45/10	Approx. 5/2
Four AA-size lithium	Approx. 90/30	Approx. 65/18
Four AA-size Ni-Cd	Approx. 20/5	Approx. 8/3
Four AA-size Ni-MH	Approx. 25/15	Approx. 20/5

For autofocus operation using an AF Zoom-Nikkor 28-80mm f/3.5-5.6D lens, covering the full range from infinity (∞) to the closest distance and back to infinity (∞) before each shot, with a shutter speed of 1/125 sec. or faster.

**Duration of Long Time (Bulb) exposure** Approx. 6 hours (using two 3V lithium batteries at 20°C)

**Tripod socket** 1/4 (ISO 1222) **Custom Setting** 19 (F80S) or 18 (F80/F80D) Custom Setting menus are available

**Two-Button Reset** Pressing the  and  buttons simultaneously and holding them for more than 2 sec. resets various settings to their initial settings (with some exceptions)

**Dimensions (W x H x D)**

F80: Approx. 141.5 x 98.5 x 71mm;

F80D: Approx. 141.5 x 98.5 x 71.5mm;

F80S: Approx. 141.5 x 98.5 x 73.5mm

**Weight (without batteries)**

F80: Approx. 515g;

F80D: Approx. 520g;

F80S: Approx. 525g

**Optional exclusive accessories** Battery Pack MB-16, Soft case CF-59/60



On cover and pages 4, 5, 6, 7, 9 and 15: 35mm photos copyright of Doug Menez. On pages 8, 10, 11 and 12: 35mm photos copyright of Acey Harper. Infrared film cannot be used with this camera, because the F80 detects the film perforation with an infrared ray. The viewfinder will be dark without battery power but brightens after installation of fresh batteries. This is not a malfunction.

All specifications apply when fresh batteries are used at normal temperature (20°C). Specifications and design are subject to change without any notice or obligation on the part of the manufacturer. © 2000-2002 NIKON CORPORATION



**Nikon Film Scanners**

Your film's digital bridge to the future



**Film Scanner  
SUPER COOLSCAN 8000 ED**

- Multiple film format (120/220, 35mm, etc.)
- 4,000 dpi true optical resolution
- 14-bit A/D, 16-/8-bit output
- Large-diameter SCANNER NIKKOR ED lens
- Rod dispersion LED illumination
- New setup function for colour negative film
- Multi-sample scanning
- Quick AF & Quick Preview
- IEEE1394 interface
- Digital ICE™ (Digital ICE cubed)
  - Digital ICE™ (Image Correction & Enhancement)
  - Digital ROC™ (Reconstruction of Colour)
  - Digital GEM™ (Grain Equalisation & Management)



**35mm/1X240 Film Scanner  
SUPER COOLSCAN 4000 ED**

- 4,000 dpi true optical resolution
- 14-bit A/D, 16-/8-bit output
- SCANNER NIKKOR ED lens
- Fast 38 sec. scanning (including image transfer to monitor)
- New setup function for colour negative film
- Quick AF & Quick Preview
- High-speed IEEE 1394 interface
- Roll film compatible (optional)
- Multi-sample scanning
- Digital ICE™ (Digital ICE cubed)



**35mm/1X240 Film Scanner  
COOLSCAN IV ED**

- High-resolution 2,900 dpi
- 12-bit A/D, 16-/8-bit output
- Newly developed custom CCD
- SCANNER NIKKOR ED lens
- Gentle-on-film LED illumination
- Fast 42 sec. scanning (including image transfer to monitor)
- New setup function for colour negative film
- Quick AF & Quick Preview
- Easy-to-connect USB 1.1 interface
- Digital ICE™ (Digital ICE cubed)



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**WARNING**

TO ENSURE CORRECT USAGE, READ MANUALS CAREFULLY BEFORE USING YOUR EQUIPMENT.



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