Nikon’s new flagship professional F-SLR, the F6, signifies the depth and breadth of our vision for truly high-quality professional photography. No existing F-SLR can hope to challenge the level of refinement of the F6: ergonomically, electronically, mechanically, and in system compatibility. Every attribute of the camera has been examined, evaluated and optimized — the mechanics, the grip contours and operational sounds, just to name a few — to attain a degree of precision so extreme as to be beyond the perceptibility of even the most seasoned photographers. Nikon’s F6. Designed to stimulate the five senses, by engineers who possess a sixth. It’s an extraordinarily pure, stimulating photographic experience… one that has to be experienced to truly be believed.
High-precision shutter assembly

No shutter unit in any other camera comes close to matching the precision of the F6’s assembly. Created from cutting-edge materials — DuPont™ KEVLAR® and a special aluminum alloy — the blades of the shutter unit offer unparalleled reliability and are extremely lightweight, for lightning-quick movement. For enhanced accuracy, test movement of the blades is carefully analyzed using a high-speed video camera and computer simulations, enabling unprecedented precision even at shutter speeds of up to 1/8,000 second. Shutter performance is kept consistently accurate by the Shutter Monitor, which scrutinizes every single shutter release. Should the shutter speed vary even slightly from the calibrated speed, the camera automatically compensates to maintain accurate exposure. Shutter performance is kept consistently accurate by the Shutter Monitor, which scrutinizes every single shutter release. Should the shutter speed vary even slightly from the calibrated speed, the camera automatically compensates to maintain accurate exposure. The ultimate in precision and reliability, under even the most demanding conditions.

Mirror mechanism for optimum viewing

The time required to lower the mirror has been greatly reduced thanks to the F6’s mirror balance mechanism, which minimizes mirror bounce. Viewing time is increased, allowing more time for AF operation — this is one reason the F6 can offer autofocus and Focus Tracking at motor speeds of up to 8 fps, shot after shot. Mirror movement is stabilized and vibration reduced by the Mirror Balancer. This advantage is particularly beneficial during long-time exposure and also with long telephoto lenses when close focusing. In conjunction with the bright, easy-to-view 0.74x viewfinder, the Mirror Balancer provides distinct advantages that give you sharper views whenever and wherever the defining moment occurs.

Minimized operational sound and vibration

The F6 mechanics offer fast, accurate, virtually noise-free movement. The shutter unit, aperture control mechanics and shutter charge motor each feature a floating-type design to suppress internal vibration. Nikon engineers, intent on subduing the camera’s operational sounds, used a professional audio room to properly gauge their quality and frequency. The degree of vibration to which every part of the camera would be subjected was measured. This meticulous approach has resulted in a camera comprised of parts that have been highly refined for absolute minimum vibration, and frequency of movement attenuated to a level below that detectable by the human ear.

Highly efficient mechanics

The development of the F6 marks the first time 3D computer movement analysis has ever been applied to an SLR. This technique reveals the degree of power distributed to or generated by particular parts in specific directions. This made it possible for us to optimize the mechanical operation of the camera with fewer parts, leading to lower power consumption, higher efficiency and increased durability and reliability.
11-Area High-Speed Autofocus System

Featuring eleven AF sensors — including nine cross-type sensors which provide viewing area coverage of approximately 50% horizontally and approximately 29% vertically — the Multi-CAM2000 AF sensor module responds quickly and delivers razor-sharp focus even in the most challenging conditions. The cross-type sensors function with all AF Nikkor lenses, and enable enhanced small-area or low-contrast subject detection. Furthermore, large sensors help make possible smooth, swift AF operation with markedly wider defocus detection capability.

Dynamic AF Operation

Even when shooting a moving subject, the F6’s Dynamic AF ensures highly precise focusing, by shifting rapidly to the focus area to which the subject has moved. In Dynamic AF mode, one of three available modes, you can assign priority to the most suitable focus area for your composition. Engage Closest-Subject-Priority Dynamic AF mode to have the F6 select the appropriate area for you. And for optimum results when attempting to capture a moving subject, use Group Dynamic AF mode. Select several adjacent focus areas (center, top, bottom, left, right), and the camera automatically focuses on the closest subject in either of the selected areas.

3D Color Matrix Metering

The F6’s 3D Color Matrix Metering offers enhanced precision thanks largely to an improved scene-detecting algorithm. It analyzes numerous aspects of existing scene conditions — including brightness, contrast, selected focus area, subject-to-camera distance and color — and, after comparing them to the meter’s database, gives you superprecise exposure control, faithfully preserving the ambience of the scene.

Flexible Center-Weighted and Spot Metering

Nikon’s own Flexible Center-Weighted Metering provides you with the option of selecting the size of the sensing area from Custom Settings. And Spot Metering changes to correspond with the focus area you’ve selected.

i-TTL Balanced Fill-Flash

The F6 supports Nikon’s newest and most advanced Flash Control system, the i-TTL system, providing unsurpassed results and myriad creative possibilities. The key to i-TTL Flash Control’s superiority is Nikon’s new Advanced Flash Data Communication system. Incorporating an all-new technique for executing monitor pre-flash, along with unparalleled wireless operation, the system boosts i-TTL Flash Control performance even beyond Nikon’s acclaimed 3D Multi-Sensor Balanced Fill-Flash systems. i-TTL is at the heart of Nikon’s Creative Lighting System and Advanced Wireless Control.
Harsh environmental testing

To ensure the camera could withstand the most severe conditions and environments, the F6 has been subjected to rigorous testing. Even the lubricants applied to gear parts are the very best available, assuring peak performance in extreme temperatures and high humidity. The F6's astonishing reliability is a function of our "right material for the right place" approach. Our engineers considered countless situations for camera use, then submitted the F6 to real-life testing to assure exceptional dependability even in extreme conditions.

Camera ergonomics

The first time you handle the F6, you're seduced by the strikingly comfortable, genuine design. Every curve, every contour has been achieved through advanced computer-aided design. But that's just the tip of the iceberg. Nikon spent an unprecedented amount of time sculpting the contours of the grip, to ensure greater comfort and superior control during extended use. And you'll soon see that the button and dial design and layout is every bit as attractive as it is intelligent. In our quest for new levels of ergonomic achievement, we've left no part of the camera's exterior ignored.

Unrivaled durability

Imagine, as a photographer, the places or conditions in which you are the most concerned about the toughness of your photographic tools. Now look at the F6 — an aluminum-alloy die-cast chassis; magnesium-alloy front body and covers (top, bottom); strategically placed rubber surfaces; an easy-to-grip texture, and a shutter that has undergone testing up to 150,000 cycles. The F6 features the strength, rigidity and durability to perform. Put it to the test and see for yourself.

Multiple power sources

The F6's standard power source, two CR123A 3V lithium batteries enable high-speed film advance at 5.5 fps. Or you can choose the optional, multifaceted Multi Power Battery Pack MB-40. It accommodates eight 1.5V LR6 (AA-size alkaline), 1.5V LR6 (AA-size lithium) or 1.2V R6/AA-size Ni-MH batteries, or the Rechargeable Li-ion Battery EN-EL4. With the MB-40 attached, you can enjoy an even faster film advance speed of 8 fps. The MB-40 also incorporates a vertical grip shutter release, an AF Start button, Multi-selector and Command Dials for more comfortable and responsive shooting.
**Exposure modes**

Programmed Auto (P) mode offers automatic shutter speed and aperture settings. In Flexible Program, rotate the Main-Command Dial to choose settings other than those automatically selected. Shutter-Priority Auto (S) lets you manually set shutter speeds ranging from 1/8,000 to 30 seconds. In Aperture-Priority Auto (A), you can choose from available apertures in 1/3 EV steps. For complete control over exposure settings, select Manual (M) mode.

**Exposure compensation/AE Bracketing**

Control exposure compensation manually from +5 EV to –5 EV in 1/3 EV steps. Automatic Bracketing allows you to shoot the same scene two or three times at exposure values differing in increments of 1/3, 1/2, 2/3, or 1 EV.

**Film advance modes**

The four modes available are Single (S), Continuous Low-Speed (CL) for up to approx. 2 frames per second (fps), Continuous High-Speed (CH) for up to 5.5 fps (or 8 fps with optional Multi Power Battery Pack MB-40), and Continuous Silent (CS) for nearly silent operation at approximately 1 fps. The F6 also offers manual rewind capability.

**Data back functions**

Access built-in data back functions easily via the rear LCD panel and Multi Selector. Functions include data imprint (in-frame or between-frame), Multiple exposure and Interval timer. You also have control over 41 Custom Settings. The recorded data of each shot can be downloaded to your computer as text data via optional Data Reader MV-1.

**Nikon Film Scanners**

SUPER COOLSCAN 5000 ED/
COOLSCAN V ED

These scanners enable high-quality scanning with a true optical resolution of 4,000 dpi, delivering exceptionally sharp digital images. The award-winning 5000 ED offers unmatched scanning speeds of 20 seconds per image — there's no more efficient way to create an archive of shots you've captured with your F6.

**Custom Settings**

You can personalize your F6 exactly as you wish. Any of the 41 Custom Settings (in six groups) can be easily selected and adjusted, as they are clearly displayed on the rear LCD panel.

**Formidable Flexibility**
The Optics

**Lens Compatibility Chart** (DX and Nikkor lenses cannot be used)

<table>
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<th>Lens</th>
<th>Focusing</th>
<th>Exposure mode</th>
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**Compatible** — **Incompatible**

1. With maximum effective focal length (50% at inner edge).
2. Group Nikkor has to apply by manual. Aperture should be selected from camera body.
3. 3D Color Matrix Metering is selected.
4. AF-S lenses are used.
5. Focus is switched to Manual Focus.
6. AF Nikkor lens is selected.
7. If you select off the center.
8. Exposure is determined using 50% of the effective area.
9. Using 50% effective area.
10. By stop-down metering. Exposure is determined by stopping down aperture to minimum value.

**Create the seemingly limitless creative potential of the system.**

You can also enjoy comprehensive control over scene lighting when using Nikon’s i-TTL Speedlights SB-800/SB-600 as they can be separated into as many as four groups (the master* and three i-TTL Speedlight groups). Control independent flash-mode settings and adjustment of compensation values for each group’s flash output level via the master. To pre-check a scene for illumination and shadows, there’s the Modeling Flash function. And each group can comprise as many Speedlights as you want, virtually putting you in total command of background lighting.

Flash Value Lock (FV Lock)

Flash Value represents the measured flash exposure for a given subject. Engaging FV Lock maintains the desired flash exposure during zooming or recomposition.

Auto FP High-Speed Sync

Advanced fill-flash photography even in brighter conditions and when using fast-aperture lenses, is now more effective. As conditions call for a faster shutter speed, the activated Auto FP high-speed sync and Nikon’s compatible Speedlights allow flash photography at up to 1/8000 second, the camera’s top shutter speed. This system enables fill flash photography in brighter light and under faster action conditions.

Creative Lighting System and Advanced Wireless Lighting

Wireless multiple flash can be used with Advanced Wireless Lighting Creative Lighting System and flash unit. Advanced Wireless Lighting procedure Flash modes and other types of information are transmitted from the master unit to the slave units via a series of the two-way flashes in each unit.

**The F6 can store this data for as many as ten lenses at a time.**

Nikon F-mount

Nikon’s legendary lens mount is also part of the F6, and it allows you to use any Nikkor lens in the incredibly deep, varied lineup. When shooting with a non-CPU manual focus Nikkor lens, you can employ 1,000-pixel Color Matrix Metering once you’ve entered the lens’ focal length and maximum aperture in the camera’s memory. The F6 can store this data for as many as ten lenses at a time.

Nikon’s exclusive lens technologies

Nikon Super Integrated Coating (SIC) delivers fabulous contrast, color rendition, image sharpness and consistency throughout the Nikkor optics. Chromatic aberration is minimized by Extra-low Dispersion (ED) glass elements. Nikon’s own Close-Range Correction (CRC) offers superb quality throughout the zoom range. The Silent Wave Motor (SWM) greatly enhances precision and reduces noise in AF operation. And Vibration Reduction (VR) automatically diminishes image blur caused by camera shake. The quality is equivalent to shooting at a shutter speed three stops faster.

*The SB-600 cannot be used as a master unit.*
**The Controls**

- **Function button**
  - Enables the Function Button to perform the task you want — including [i] lock, AE-L/AF-L, Flash Cancel and Metering mode.

- **Multi-selector**
  - Lets you select focus area when shooting, allows you to select the function in Softmode.

**Viewfinder Information**

- Diopter adjustment knob
- Focus area
- Autofocus AF point
- Exposure mode
- Shutter speed
- Aperture
- Battery power
- Flash mode
- Flash ready-light
- Film speed
- ISO
- Date
- Shooting date
- Exposure compensation
- Exposure compensation value
- Custom settings
- White balance
- Viewfinder

**Top LCD Panel Indications**

- Shutter speed
- Shutter speed lock
- Sync speed
- Electronic analog exposure display
- Exposure mode
- Exposure compensation
- Multi-selector lock lever
- Battery power
- Flash mode
- Flash ready-light
- Film speed
- ISO
- Date
- Shooting date
- Exposure compensation
- Exposure compensation value
- Custom settings
- White balance
- Viewfinder

**Rear LCD Panel Shooting Data Indications (Normal)**

- ID
- Exposure metering mode
- Multi-selector
- Multi-selector lock lever
- Aperture mode
- Shutter speed
- Flash-ready light
- Exposure compensation
- Multi-selector lock lever
-电池
- Flash mode
- External memory
- Exposure compensation
- Custom settings
- White balance
- Viewfinder

**The System**

- **Viewfinder Accessories**
  - Interchangeable Focusing Screens: These special Nikon optics are ideal for manual focusing and as composition aids, and have no effect whatsoever on the F6's autofocus operation. All are made of Nikon ground glass. There are seven types available (B, II, E, M, J, A, and L).

- **Eyeiece Correction Lenses**: Fine optional eyepiece correction lenses allow you to adjust the dioptr beyond its standard range of -3 to +1.0m.

- **Rubber Eyecup DX-17**: Increases viewing comfort and prevents stray light from entering the viewfinder.

- **Right-Angle Viewing Attachment DR-5**: Provides an upright, frontward-facing image with right-angle viewing. Select a reproduction ratio of 1:1 or 2:1.

- **Eyeiece Magnifier DG-2**: Provides 2x magnification of the central portion of the viewfinder image. Optional Eyeiece Adapter DK-7 is required when attaching to the F6.

**Close-up Accessories**

- **Auto Extension Rings PK-11A/12/13**: Slide on and off your camera in seconds for a wider range of reproduction ratios.

- **Bellows Attachment PB-6**: Mount between the F6 and the lens for close-up and macro photography. Optional accessories include PB-GE Extension Bellows, PB-4M Macro Copy Stand and PS-6 Side Copying Adapter.

**Data Communication Accessories**

- **Data Reader MR-1**: Transfers shooting data stored in the F6 to a CompactFlash™ card. Data can then be transferred from the memory card to your personal computer.

**Remote control accessories**

- **Modulate Remote Control Set ML-3**: Provides infrared LED beam remote control for two separate channels to enable automatic camera operation from a distance of up to 8 meters (26 ft.).

- **Remote Cord MC-20 (0.8m/2.6 ft.)**: Enables remote firing of the F6 and setting of exposures up to 9 fps. 59 min. 59 sec. long. The exposure time appears in the rear LCD.

- **Remote Cord MC-30 (0.8m/2.6 ft.)**: Enables remote firing with a trigger-lock function.

- **Extension Cord MC-31 (3m/9.8 ft.)**: Available for 10 pin remote accessories.

- **Connecting Cord MC-23 (0.4m/1.3 ft.)**: Connects two F6 cameras for simultaneous shutter release.

**Macro Adapter Ring BR-2A**: Enables lenses to be mounted in reverse for a relatively high reproduction ratio.

**Focusing Stage PG-2**: Simplifies close-up focusing when using a tripod-mounted camera.

** TTL Macro Speedlight SB-25s**: Gives you the choice of flash-front or selective-relief lighting.

**Close-Up Attachment Lenses**: Make close-up photography much easier.

**Bellows Attachment PB-6**: Mount between the F6 and the lens for close-up and macro photography. Optional accessories include PB-GE Extension Bellows, PB-4M Macro Copy Stand and PS-6 Side Copying Adapter.