Nikon

En ## The D2Hs Firmware Update

Please note the following additions to the manual with version 2.00 firmware update for the D2Hs. Except where otherwise noted, all page numbers refer to the *Guide to Digital Photography with the D2Hs*.

Custom Setting d2: Maximum Number of Shots Taken in Continuous Shooting (Pages 42 and 186)

The maximum number of shots that can be taken in a single burst in continuous shooting mode has increased from 50 to 60. Note, however, that shooting will slow when the memory buffer is full (page 42). Up to fifty JPEG and up to forty NEF (RAW), NEF (RAW)+JPEG, or TIFF (RGB) photographs can be stored in the memory buffer with noise reduction off and sensitivity set to ISO 100 equivalent. The figures for JPEG and NEF (RAW)+JPEG photographs assume that **JPEG compression** is set to **Size priority** (page 45).
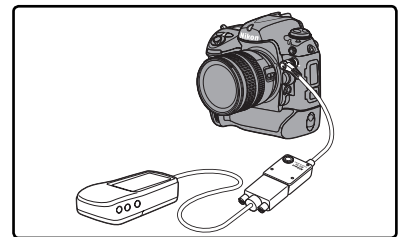
Tone Compensation (Page 66)

The tone compensation menu can now be used to choose from up to three user-defined curves. Tone curves can be downloaded to the camera using Camera Control Pro version 1.1.1 or Nikon Capture 4 version 4.42 (available separately).

Using a GPS Unit (Page 125)

The camera will now record compass headings supplied by GPS units with a digital compass. When using a GPS unit equipped with a compass, align the GPS device with the camera lens and keep it at least 20 cm (8 in.) from the camera body as shown at right.

The compass heading appears on the GPS data page of the photo information display as shown at right. In addition, latitude and longitude are now shown to three decimal places (page 130).
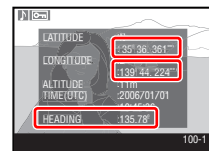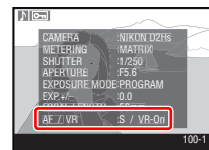

Photo Information (Page 129)

The third page of the shooting information display (Shooting Data 1) now lists information on vibration reduction (available with VR lenses only) and focus mode.

Custom Setting a4: Focus Tracking with Lock-On (Page 177)

This menu now contains the options shown below.

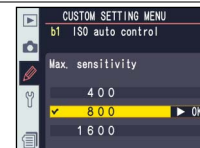| Option	Description
Long	If distance to subject changes abruptly, camera waits specified time before adjusting focus. Prevents camera refocusing when subject is briefly obscured by objects passing through frame.
Normal (default)	
Short	
Off	Camera immediately adjusts focus when distance to subject changes. Use when photographing a series of subjects at varying distances in quick succession.

Custom Setting b1: ISO Auto Control (Page 180)

This menu now contains the options shown below.

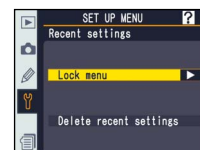| Option	Description
Off (default)	ISO sensitivity remains fixed at value selected by user, regardless of whether optimal exposure can be achieved at current exposure settings.
On	If optimal exposure can not be achieved at ISO sensitivity selected by user, ISO sensitivity is adjusted to compensate, to minimum approximately equivalent to ISO 100 and maximum selected using **Max. sensitivity** option. In exposure modes **P** and **A**, ISO sensitivity will be adjusted if photo would be overexposed at shutter speed of ⅛,₀₀₀ s or underexposed at value selected for **Min. shutter speed**. Otherwise camera adjusts ISO sensitivity when limits of exposure metering system are exceeded (mode **S**) or when optimum exposure can not be achieved at shutter speed and aperture selected by user (mode **M**). ISO sensitivity can not be set to values over 800 while this option is in effect.
Max. sensitivity	Menu shown at right is displayed. Press multi selector up or down to highlight desired ISO sensitivity and press to right to return to ISO auto menu.
Min. shutter speed	Menu shown at right is displayed. Press multi selector up or down to highlight desired shutter speed and press to right to return to ISO auto menu.

Recent Settings (Page 201)

The setup menu now includes a **Recent Settings** option that can be used to lock or delete the items in the Recent Settings menu.

Option	Description
Lock menu	Select **Yes** to lock Recent Settings menu so that no items can be added or removed, **No** to unlock menu.
Delete recent settings	Select **Yes** to delete all items from Recent Settings menu (applies even if menu is locked), **No** to exit without deleting items.

The Recent Settings menu can be customized by deleting all recent settings using **Delete recent settings**, selecting up to eight options in the shooting and Custom Settings menus in the order in which you wish them to appear, and then locking the menu using the **Lock menu** option. If more than eight items are selected before the menu is locked, only the eight most recent items will be displayed.

Image Authentication (Page 201)

An **Image authentication** option has been added to the camera setup menu. Photographs taken when this option is on contain image authentication information, allowing alterations to the image to be detected using Nikon's optional Image Authentication software. Image authentication information can not be added after a picture is taken. Photographs taken with image authentication on are marked by a 🛡 icon on page 2 of the playback information display.

The image authentication menu contains the following options:

Option	Description
Off (default)	Image authentication information is not embedded in new photographs.
On	Image authentication information is embedded in new photographs.

> **Image Transfer**
> Modifications to color profiles or IPTC information made in PictureProject during transfer will be detected by Nikon's Image Authentication software. Turn auto embed options off when transferring photographs for use with Image Authentication. Image authentication information is not embedded in TIFF photographs recorded directly to a computer using Camera Control Pro version 1.1.1 or Nikon Capture 4 version 4.4.2 (available separately).

Save/Load Settings (Page 201)

The setup menu now includes a **Save/load settings** option, which is only available when a memory card is inserted in the camera. Select **Save settings** to save all camera settings except the date and time (page 18) and monitor brightness (page 203) to the memory card. Saved settings can be restored by selecting **Load settings**.

> **Saved Settings**
> Settings are saved to a file named "NCSETUP0" on the camera memory card. Deleting or modifying this file will prevent the camera from loading saved settings.

Cleaning the Low-Pass Filter (Page 244)

An AC adapter is no longer required when cleaning the low-pass filter. The **Mirror lock-up** option in the camera setup menu can now be selected when a fully-charged battery is inserted in the camera. If the battery runs low when the mirror is raised, a beep will sound and the self-timer lamp will blink to warn that the shutter curtain will close and the mirror will lower in about two minutes. End cleaning or inspection immediately.

> **Use a Reliable Power Source**
> The camera shutter curtain is delicate and easily damaged. If the camera powers off while the mirror is raised, the shutter-curtain will close automatically. To prevent damage to the curtain, do not turn the camera off until inspection or cleaning is complete. Do not remove or disconnect the power source while the mirror is raised.