Nikon Firmware Update for Coolpix 5000 Version 1.7

Notes:
1. It is most important that you follow the supplied directions; failure to follow all of the steps may result in your camera being disabled.
2. This update is for Coolpix 5000 cameras only! It is strongly suggested that you avoid any background process that may disrupt the Updater communication process.
3. It is advised not to touch the mouse or keyboard once the uploader starts to ensure against accidental launch of an application or other process.
4. This Software and Firmware is Licensed and Copyright of Nikon Corporation Japan

1.0 System requirements
Macintosh users:
> Mac® OS 9.0.4
> Mac® OS 9.1.x
> Mac® OS 9.2.x

Mac® OS X is NOT supported

2.0 About software and firmware

The "Firmware Uploader Software for the E5000 Ver.1.7" is a computer program that updates the firmware in your COOLPIX 5000 (E-5000). The firmware is a program, which runs inside the camera and controls its operation. By running the Uploader Software you will install the new firmware in the camera.

The process of transferring the new firmware from the computer to the camera is sometimes called "Uploading," "Upgrading" or "Updating" the firmware.

If your camera is version 1.6 or 1.5 it is recommended that you update the firmware in your camera to 1.7 in order to benefit from improved operating performance.

The entire package (Uploader software and new firmware for the camera) is supplied in a single file, which is compressed for distribution over the Internet. Before performing a firmware update, you must de-compress the files back to their original format.

3.0 Improvements and bug fixes in version 1.7

1) Support for RAW (NEF) Image Quality

A RAW image-quality function has been added to the COOLPIX5000 firmware. When an image-quality setting of RAW is selected, "HI" blinks in the camera's control panel. Additionally, RAW images can be converted to TIFF using the cameras menu.

2) Control options for Shutter Release Speed
The Monitor Options item in the setup menu now contains a Shutter Release Speed setting that controls the speed of shutter response as follows.

Option "Normal": Priority given to quality of preview displayed in monitor.
Option "Quick Response": Reduces the time lag between pressing the shutter-release button all the way down and shutter being released to take a picture.

3) Internal Flash Off option
The Speedlight Control menu now contains an Internal Flash Off option that allows you to turn the built-in Speedlight off entirely. The built in Speedlight will still fire if red-eye reduction is "on" only to reduce red-eye; it will not fire during the actual exposure. Additionally, the internal flash will fire a monitor pre-flash (but not an actual exposure flash) if a Nikon Speedlight is connected.

4) Support for Picture Transfer Protocol
PTP (Picture Transfer Protocol) option is now available in the USB menu in the Interface setting for the setup menu in User Sets 1, 2 and 3.

5) Support for Exif 2.2
The COOLPIX5000 firmware version 1.7 now supports Exif (Exchangeable Image File Format for Digital Still Cameras) version 2.2, a standard that allows information stored with photographs to be used for optimal color reproduction when images are output on EXIF-compliant printers. PRINT Image Matching (PIM) is no longer supported by COOLPIX5000 firmware version 1.7. Users who require PIM should **not** apply this update.

6) Improvements in LCD monitor display
The LCD monitor has been improved to allow better display of images when viewing in dark surroundings. Monitor brightness has also been improved.

7) Shutter speed information corrected when using BULB exposure
Previously when shooting an image with a BULB exposure time of more than 100 seconds, the shutter speed information recorded in the shooting information was incorrect. This has now been fixed.

8) Improvements in autofocus performance
Autofocus performance has been improved.

4.0 Restrictions on Usage

This utility will update the firmware in your COOLPIX 5000 to version 1.7. It can only be used if the version of the firmware in your COOLPIX 5000 is version 1.6 or 1.5 and is not suitable for use with any other model of Coolpix camera. This version of the firmware can only update NTSC cameras.

5.0 Warnings

Your COOLPIX 5000 could malfunction should any of the problems listed below occur while the firmware is being upgraded. Please exercise all necessary caution during the upgrade. The upgrade can be performed for you at a Nikon-authorized service center in the event that you do not have the equipment necessary to perform the upgrade, or are otherwise unsure that you would be able to perform the upgrade yourself. Your COOLPIX 5000 could malfunction should any of the following occur during upgrade:
1. The camera turns off during the upgrade process
2. The data cable is disconnected
3. A problem occurs with the computer
4. The upgrade is performed in a place where there is excessive electrical noise.

The camera could also malfunction if you make a forced exit from the uploader or another application interferes with the uploader during the upgrade. *Be sure to exit any other applications before running the uploader software.*

6.0 Confirming the current firmware version

1. Turn the camera off
2. Hold down the MENU button (center LCD button).
3. Turn the camera "On" while continuing to hold down the MENU button until an image appears. The screen will display the current firmware version like: "E5000V1.6 or 1.5". If it reads other than 1.6 or 1.5, your firmware should not be updated.
4. Turn the select dial "Off". This completes the version confirmation procedure.

7.0 Prepare for the Upgrade

Please make sure that you have the following items available
1. Power source - any one of the following:
   a. The Nikon EH-21 AC Adapter.
   b. A fresh 6V Lithium battery (2CR5/DL245) new and within the manufacturer's "Use By" date
   c. A fully charged EN-EL1
2. Cable

a. Nikon UC-E1 SB Cable
3. COOLPIX 5000 User's Manuals

NOTE: Please use only authentic Nikon AC adapters and cables; other products may damage the COOLPIX 5000.

8.0 Installing the Uploader Application

The Mac OS driver that helps control camera operation can not also handle the firmware update, so a different driver must be installed for the update and then removed afterwards. To install the driver:

1. Download and decompress the "cp5000fw17.sit" file
2. A folder called "E5000 Uploader" will be created with the following contents:
   a. firmware.bin: firmware that will be installed in your camera
   b. Uploader Storage 1.0: the uploader program
   c. Driver folder: a folder containing the "Nikon E5000 Uploader Installer"
   5. Verify that the camera is NOT connected to the computer.
   6. Double-click "Nikon E5000 Uploader Installer" to launch the installer.
3. When the installer window is displayed, click Continue to install the driver(s).
4. When installation is complete, a message reporting that the operation was successful will be displayed. Click the Restart button to continue.
5. Follow the instructions in step 9.0, below, to use the Uploader to update the camera's firmware.

9.0 Upgrading the Firmware

1. Attach AC adapter or insert fresh batteries into camera. Connect the camera to the computer using the USB cable and insert a card into the camera. Verify computer connection to the camera by viewing the "marching ants" in the camera's display.
2. Double-click on the "Uploader Storage 1.0" icon.
   The file called "firmware.bin" is the actual firmware, which will be transferred to the camera.
3. When the text "Click 'Upload' button to start the update" appears in the dialog box, click the Upload button. Once you have pressed this button, do not stop or interrupt the utility while it is in progress, or damage to the COOLPIX 5000 may result.
4. The firmware upgrade process will begin. This should take between three and ten minutes depending on the speed and configuration of our computer. The following messages will be displayed during execution:
   "DO NOT TURN THE CAMERA OFF
   "Writing Firmware…"

5. When the text "Writing Firmware is complete" appears in the dialog box, the process is complete. Click "Close" to close the utility.
6. Turn the COOLPIX 5000 select dial to "Off".
7. Remove the camera from the system.
   Macintosh:
   Turn the camera off. Remove the battery or disconnect the AC Adapter.
   Disconnect the USB cable. This completes the update.
   Connect the AC Adapter or insert the battery

8. Verify the new firmware version in the camera (Step 6.0 above)
This completes the firmware update.

10. 0 Uninstalling the Uploader Application

1. Launch the installer by double-clicking the "Nikon E5000 Uploader Installer" to launch the installer.

2. By default, Easy Install is selected in the installer window's pop-up menu. Select Uninstall from the menu and click Continue.

3. When removal is complete, a message stating that the operation was successful will be displayed. Click the Restart button to complete the operation.

Be aware that Nikon View cannot be used until the removal of the uploader has been completed.

11.0 If things do not go as planned

The uploader software may not function as expected on some models of personal computer.
1. "Error in writing Firmware" message
   Should this occur, click "Close" to exit the uploader, disconnect the serial cable and follow the steps above to confirm the camera firmware version.

   If the firmware version displayed is "E5000V1.7," the upgrade was successful. Any other display, "E5000V1.6" for example, indicates that your computer cannot be used to upgrade camera firmware. In this case you will need to take your camera to the nearest Nikon-authorized service center to upgrade the firmware.

2. Compatibility problems may exist between the uploader and certain computers, making normal communication with the COOLPIX 5000 impossible.

When the computer is unable to communicate with the camera, the upgrade will stop and start repeatedly. In extreme cases, this process of interruption and resumption may repeat indefinitely. Should this occur, press the "Option," "Command" and "Esc" keys on the computer simultaneously to force the program to quit. Restart your computer.

If this problem occurs, your computer cannot be used to upgrade camera firmware. To upgrade the firmware, you will need to take your camera to the nearest Nikon-authorized service center.