Downloads - DCS Cameras

DCS Firmware and Host Software for KODAK PROFESSIONAL Digital Cameras

Choose your download selection:

KODAK PROFESSIONAL DCS 720x/ 760 / 760M
Digital Camera Firmware

Firmware Version	Operating System	Release Date	Download File
Version 3.1.9	MACINTOSH	November 2002	dd1402.hqx [1.1 MB]
Version 3.1.9	WINDOWS	November 2002	dd1403.exe [1.0 MB]
Version 3.2.8	MACINTOSH	April 2003	dd1451.hqx [1.2 MB]
Version 3.2.8	WINDOWS	April 2003	dd1452.exe [1.1 MB]

User Guide Information
Compatible Software
New Features in V3.1.9
New Features in V3.2.8
New Features in Version 3 Firmware
Known Issues
Installation Instructions
Memory Cards
ReadMe
User Guide

DCS User Guide information

A DCS user guide CD was included in the box with your camera. The User Guide is also available from this page.

Compatible DCS Host Software

This firmware has been tested with the latest KODAK PROFESSIONAL DCS Photo Desk, KODAK PROFESSIONAL DCS Camera Manager, KODAK PROFESSIONAL DCR File Format Module, and KODAK PROFESSIONAL Extended Range Imaging Technology File Format Module software releases.

New Features in V3.1.9

- Six new language selections have been added to the User Interface (UI) Language menu. In addition to English and Japanese the selections now include, Chinese (Simplified), French, German, Italian, Portuguese (Brazilian) and Spanish.
- Cards formatted under Windows XP using the FAT file system, no longer require reformatting in the camera. Note: cards must be formatted in the camera in order to take advantage of the cameras recover card feature.

New Features in V3.2.8

Serial communication enhancement. Through purchase of a feature key the camera firmware now supports the input of information via the serial port to help coordinate subject information with captured images.

New Features in Version 3 Firmware

- In-camera processing has been enhanced to generate EXIF2.1 compliant Extended Range Imaging (ERI) files. JPEG files produced by the in-camera finished file processing are fully utilized by the KODAK PROFESSIONAL Extended Range Imaging Technology File Format Module (ERI FFM). ERI JPEG images are recognized as conventional JPEG files in software that does not recognize the ERI JPEG format.

- The Camera's clock can now use a connected Global Positioning System to automatically set the camera time. This feature must be activated by: a) connecting the camera to a computer by using the 1394 port and b) using the KODAK PROFESSIONAL DCS Camera Manager Software to access the Image Information property list.
- Auto White Balance performance has been improved for the DCS 760 and the DCS 720x.
- A more flexible "Click" white balance feature has replaced the former Custom White Balance feature. This new feature allows a "dropper" tool to be moved around the image to create a custom white balance point.
- In-camera processed images can now be automatically stored on a card inserted into the camera's second card slot. This new feature can be found under "Destination" on the processing menu. This new feature gives you two storage option to store original DCR image files on Card 1 and in-camera processed files can be stored on Card 2."
- The Japanese language and language selection option has been added to the User Interface (UI).
- A processing resolution option of 25% has been added to the Resolution setting menu.
- Improved support for Fat32 formatted cards 4GB or larger. The camera card format feature will automatically format cards larger than 4GB as Fat32. Camera Fat32 formatted cards will now operate properly in the APPLE G series computer.
- The DCS 7xx Camera clock can now use a connected Global Positioning System set the camera time automatically. This feature must be activated by connecting the camera to a computer via the 1394 port and using KODAK PROFESSIONAL DCS Camera Manager Software to access the Image Information property list.
- Long Exposure processing for the DCS 720x the DCS 760 and the DCS 760M was implemented in the version 2.1.4 firmware release. It is also available in this new firmware version. This feature reduces the accumulated pattern noise in longer exposures. Below is a brief explanation of the three long exposure feature settings.

  Long Exposure Setting Descriptions

  Never Apply:
  - Long exposure processing is completely deactivated.
  - The camera's internal memory buffer is fully available for all captures.

  Exposures >¼ sec:
  - Long exposure processing occurs on exposures with shutter speeds of ¼ second or longer.
  - The time between captures increases only for exposures of ¼ second or longer.
  - The internal camera memory buffer is reduced regardless of what shutter speed is being used. This will reduce the number of images that can be stored in the camera's memory buffer before they are written to the memory card.

  All Exposures:
  - All exposures will be long exposure processed.
  - The time between captures increases for all exposures.
  - The internal camera memory buffer is reduced. This will reduce the number of images that can be stored in the camera's memory buffer before they are written to the memory card.

  A Long exposure example: If you capture an image using long exposure with the camera set to a 10 second shutter speed, the combined exposure time and image processing time will be about 23 seconds before the camera becomes available to capture a new image. A general formula to estimate the approximate time required between shots when using the long exposure is:

  (Shutter Speed x 2) + 3 seconds = DCS 720x time between shots and (Shutter Speed x 2) + 6 seconds = DCS 760 time between shots.

  Impact of Long Exposure feature on Intervalometer settings: Remember to take into account the impact of long exposure on time between shots when setting the intervalometer feature. Using the example above, you would want to set the interval setting to at least 23 seconds when using the intervalometer in conjunction with the long exposure mode.

Known Issues and Limitations

- **Important:** Never insert or remove storage cards while a red LED or the Card Icon on the Status screen is blinking. A possible side effect could be the corruption of memory card data.
- No more than a combined total of 2000 files, including hidden system files, can be stored on memory cards inside the camera.
- Capturing images across cards (such as in a burst when one card fills and the camera attempts to switch to the second card) may result in several images being stored on the incorrect card. This can be avoided by switching cards manually by using the camera card menu.
- Some memory cards that are 16MB or smaller may not work properly in DCS 7xx digital cameras.
- Only cards that were last formatted in the camera can take advantage of the Recover feature.
- In-camera processed JPG and TIFF image thumbnails appear less sharp when viewed on the camera's

LCD than DCR files.
- Some memory cards used in card slot two may cause the camera's shutter to actuate if the shutter button is pressed too quickly when powering on the camera. These shutter actuations occur without storing images on the memory card or in the camera's memory buffer. To avoid this, allow additional time for the camera to mount the memory card in card slot two after powering on the camera.
- When JPEG or TIFF images are stored on the inactive card, DCR images stored on the inactive card after the active card becomes full will not be automatically processed.
- Deleting files using a MICROSOFT WINDOWS2000 PC on a Fat32 formatted storage card sometimes causes a hidden recycling bin to be created on the card containing the deleted images. If the camera detects a Full card situation on a card that contains a hidden recycling bin folder, the firmware offers the option to "Empty recycle bin?" Select OK to delete the hidden Recycling bin folder and free the space on the storage card. Select "Cancel" to keep the hidden recycling bin and not free up the hidden space on the card. Formatting the card in the camera removes the hidden recycling bin from the storage card. Images from a deleted recycling bin folder can still be recovered by the cameras' "Recover Card" feature. To prevent the camera from recovering images in the hidden recycling bin folder, the card must first be formatted using a PC or by using the cameras' "Full Format" feature.

Firmware Installation Instructions (Revised 12/05/01)

When available, newer versions of camera firmware can be installed if they are first copied to the root directory of a storage card. To install new firmware using a storage card, follow these steps:

1. Connect your camera to the AC adapter specified in your camera's user guide, and insert a fully charged battery into your camera.
   Caution: A loss of power could corrupt the firmware. Do not connect the camera and your computer during the firmware update process.
2. Insert a storage card into the card reader on your computer.
3. On your computer, copy the firmware file to the root directory of the storage card.
   Important: Do not copy the file to a folder on the storage card. The DCS camera will not recognize the file unless it is stored in the card's root directory.
4. Insert the storage card into your DCS camera.
5. Navigate to the Main Menu on the camera's LCD.
6. Select "Firmware" from the Main Menu.
7. When the Firmware menu appears, select "Update from Card".
8. A confirmation screen appears, giving you two options. If you choose "Cancel", the firmware will not be updated and you will return to the Main Menu. If you choose "OK", the firmware update will continue.
9. When the firmware has been updated, a screen appears informing you that the firmware has been updated.
10. Turn the camera off by rotating the power switch to the OFF position. Wait 10 seconds for the camera to power off.
11. Rotate the main power switch to the ON position.
12. Once main power is fully restored, a confirmation message appears, indicating that the new firmware successfully loaded.
13. **Repeat steps 5-11 to complete the Firmware update process. A second confirmation message will NOT appear.**

Memory Cards

The DCS 700 series cameras accept the insertion of Type I and II COMPACTFLASH cards, Type I and Type II ATA Flash cards, IBM MICRODRIVES (CF™+ Type II), Type II HDD and Type III storage cards.

The following storage cards have been tested in KODAK PROFESSIONAL DCS 700 Series Cameras:

CF+™ Type II:

- IBM MICRODRIVE (Hard Disk) 340MB - 512MB - 1GB
- SILICONTECH 512MB
- HITACHI 448MB

CompactFlash Type I

- KODAK
- SANDISK
- LEXAR

Type II ATA Flash:

- PRETEC 512MB
- LEXAR

Type II HDD:

- TOSHIBA 5GB Type II HDD
  Note: The 2GB Type II HDD TOSHIBA storage card is not compatible with KODAK PROFESSIONAL DCS Cameras.

DCS 760 Firmware ReadMe

A ReadMe file (pdf format) is available in the download folder. It is accessible after you unzip or unstuff the software.

DCS 760 User Documents

User's Guide for the KODAK PROFESSIONAL DCS 700 Series Digital Cameras
(PDF) [12.3 MB]

Quick Setup for the KODAK PROFESSIONAL DCS 700 Series Digital Cameras
(PDF) [1.9 MB]

Clear Selection

Feedback

- Send questions and feedback to kprodigital@kodak.com