

## Collaborative software for more versatile photographic expression

### Nikon Transfer

(included in Software Suite/Software Suite for COOLPIX supplied with Nikon digital cameras/free download available)

This software enables easy, efficient image transfer, essential for smoothly organizing image workflow, even for professionals. You can transfer images captured with Nikon digital cameras or stored in memory cards. You can also add labels, ratings and IPTC at the time of transfer to facilitate sorting of images at a later stage in the workflow. Double transfer for image backup is also available. Applications required after image transfer can be selected for smooth, effective operation.

### Camera Control Pro 2/Camera Control Pro 2 Upgrade

This remote shooting application software for studio shooting boasts advanced viewer features and supports the Live View function incorporated in the D3 series, D700, D300S, D90 and D5000. You can remotely control virtually all functions (exposure mode, shutter speed, aperture, etc.) of other Nikon D-SLR cameras from a computer via a USB connection. With an optional wireless transmitter and a compatible camera, a wireless LAN (Wi-Fi) or wired Ethernet connection is possible.

Shooting data can be directly transferred to a computer to enable smoother shooting, transfer and storage of image data. Depending on the camera model, an upgrade for the latest version may be required.



### ViewNX

(included in Software Suite supplied with Nikon digital SLR cameras/free download available)

High-speed image viewing software with thumbnail display, selection, browsing and managing functions that greatly reduces the stress and complication of viewing large volumes of images on your computer. After transferring images to a computer, you can check the image details and categorize/organize the transferred images according to 9 types of labels and 5 rating levels. ViewNX realizes smooth workflow in combination with Capture NX 2.

### Image Authentication Software (for Windows)

Enables authentication of images captured using "image authentication"-compatible Nikon D-SLR cameras, and determines whether or not such images have been altered since capture, by separately comparing the image and image data. Using authentication information attached at the time of capture, the software determines whether image files, including RAW (NEF), JPEG, and TIFF files, are identical to the original captured images.

## Capture NX 2 System Requirements

### Windows

**OS** Pre-installed versions Microsoft Windows 7 Home Basic/Home Premium/Professional/Enterprise/Ultimate\*, Windows Vista Home Basic/Home Premium/Business/Enterprise/Ultimate (Service Pack 2)\*, Windows XP Professional/Home (Service Pack 3)\*\*  
\* 32- and 64-bit versions are supported. However, with 64-bit versions, the software operates as a 32-bit application.  
\*\* Only the 32-bit versions of Windows XP are supported.

**CPU** Pentium 4 or better

**RAM** 768 MB minimum, 1 GB or more recommended

**Hard-disk space** 200 MB required for installation

**Monitor resolution** 1024x768 pixels or higher (1280x1024 or higher recommended) with 16-bit color or more (32-bit color recommended)

### Macintosh

**OS** Mac OS X (version 10.4.11, 10.5.8, 10.6.4)

**CPU** Power PC G4/G5; Intel Core series/Xeon series

**RAM** 768 MB minimum, 1 GB or more recommended

**Hard-disk space** 200 MB required for installation

**Monitor resolution** 1024x768 pixels or higher (1280x1024 or higher recommended) with 64,000 colors or more (16.7 million colors or more recommended)

### Others (Windows/Macintosh)

- CD-ROM drive required for installation
- Internet connection required to utilize Nikon Message Center 2
- Environment for recognizing operation-guaranteed memory cards required to import/export Custom Picture Controls

For details on system requirements and compatible functions, see the instruction manual.

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Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer. April 2011 ©2011 Nikon Corporation



**WARNING**

**TO ENSURE CORRECT USAGE, READ MANUALS CAREFULLY BEFORE USING YOUR EQUIPMENT. SOME DOCUMENTATION IS SUPPLIED ON CD-ROM ONLY.**



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Code No. 6CE80081 (1104/EK)



# CaptureNX2

*At the heart of the image*



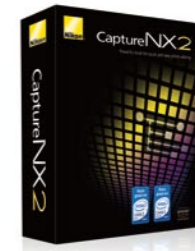
Capture NX 2 —  
Powerful tools for quick and easy photo editing



En

Focus your imagination with powerful, easy-to-use tools

# CaptureNX2



Capture NX 2/Capture NX 2 Upgrade



## Control Points make Capture NX 2 intuitive to operate

U Point® Technology makes it easy to use Color Control Points/ Selection Control Points and White/Black/Neutral/Red-Eye Control Points to modify images. It's as simple as placing the slider at the area of the image that you want to adjust, then moving it left or right. Each control point achieves adjustment of color and brightness (red, green, blue, hue, saturation, contrast and warmth) of an image area that shares the same values as other parts of the selected area.

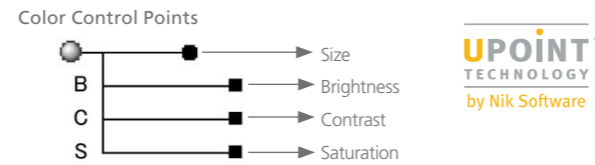
Individual control points are mutually affected as they are used to adjust components, and you can make re-adjustments at any time regardless of those previously made and the order in which Control Points were formerly placed.



Easy-to-use Capture NX 2 software enables you to make intuitive photo enhancements that are immediately visible on your monitor. Simply place the Control Point on the area you want to edit and U Point® Technology will analyze color elements such as hue, saturation and brightness, as well as recognize similar areas where an edit would best be applied. This technology powers the entire Capture NX 2 series of Control Points: Color Control Points, the all-new Selection Control Points, White/Black/Neutral Control Points and Red-Eye Control Points. With Capture NX 2, there's no need to deal with selection tools, layers or lengthy training.

## Color Control Points make image editing easy

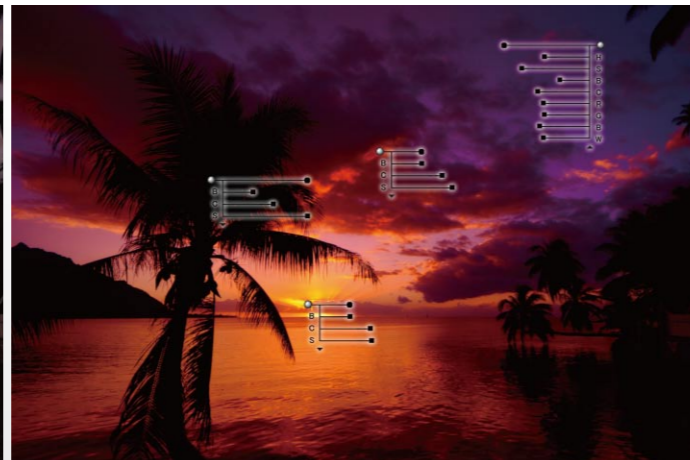
Enhancements for hue, brightness and saturation are as easy as placing a Color Control Point on your image, then adjusting the length of the sliders. For example, Color Control Points are remarkably convenient for changing the color of flowers to better effect against green surrounding foliage.



In addition to the sliders indicated above, there are sliders for Hue, Red, Green, Blue, and Warmth. You can choose to display BCS (Default), HSB, RGB, or All mode, and adjust images to suit your purposes.



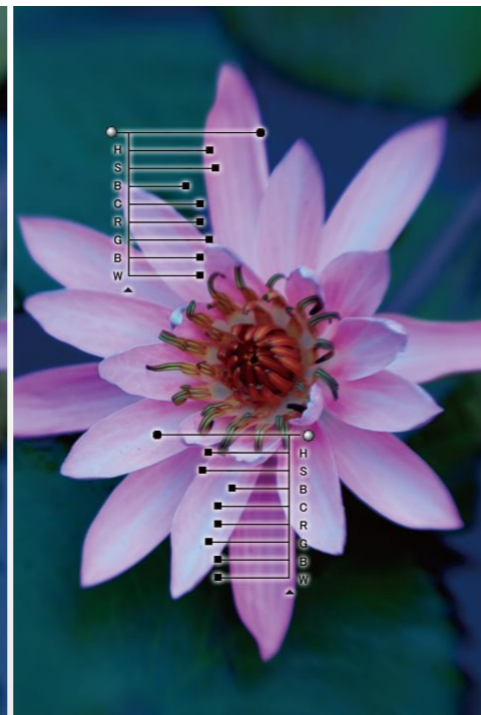
Before



After Four Color Control Points were used to adjust the color and brightness of various elements independently within the frame.



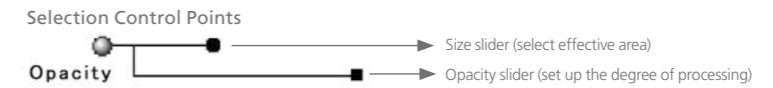
Before



After Two Color Control Points were used to enhance the color and brightness of flower petals and the background.

## Selection Control Points expand editing possibilities of U Point® Technology

This new function enables you to apply enhancements such as Unsharp Mask or D-Lighting to a specific area with just a click of the mouse. There is no need for precision selection or masks — the Selection Control Point recognizes the areas you want to modify. Enhancement effects can easily be adjusted, allowing you to apply your chosen effect as you would with intuitive masking either to the designated area or to the entire image except for that area. The Selection Control Point can be used with many image enhancement tools, including D-Lighting, Brightness, Color, Focus, Correction, and Noise Reduction. You can apply Unsharp Mask, for example, to only the area you want to edit.



Before



After D-Lighting brightens the shadowy areas, and Selection Control Point applies the effect only to the bright subjects and their surroundings seen through the opening between foliage and water.



Before



After Tone Curve adjusts the brightness and contrast, and Selection Control Point applies the effect only to a human subject and his surroundings.

### Black/White Control Points for contrast of entire image, Neutral Control Points for quick removal of color cast

Black Control Points and White Control Points let you easily modify the contrast of an entire image using a slider. Neutral Control Points enable quick-and-easy balance adjustments, color cast removal, multiple points setup and adjustment of complicated areas.

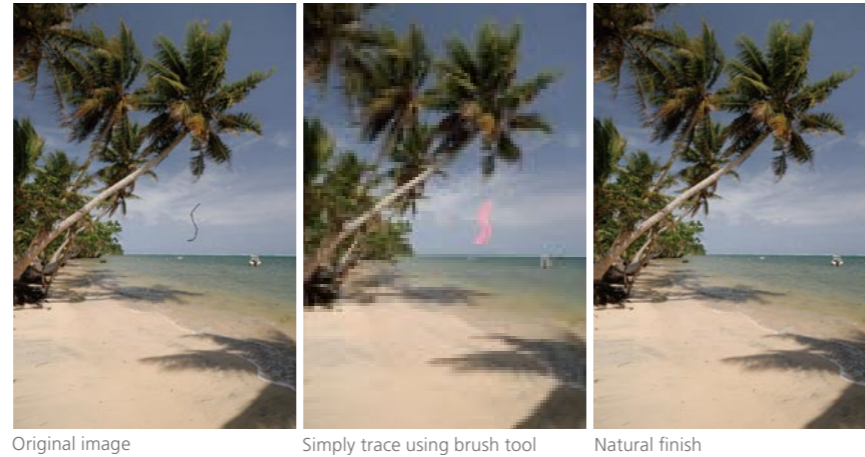
### Red-Eye Control Points for easy red-eye correction and color adjustment

Manually correct red-eye in areas you choose and further fine-tune colors that have been adjusted with Color Control Points. Automatic red-eye correction is also available.

## Useful advanced functions support photographers' workflow

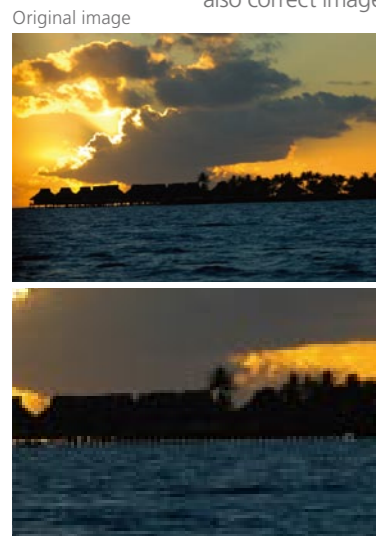
### Auto Retouch Brush

Using a mouse click and stroke, you can remove dust spots photographed on an image, to achieve more natural-looking results that match the surrounding color and tones. Auto Retouch Brush can also be used to remove facial blemishes, imperfections on flowers, or other unwanted objects within the frame.

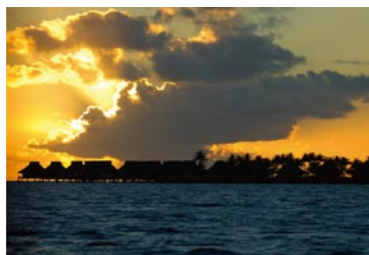


### Straighten

Allows you to change the degree of image tilt by clicking the mouse in the center of the area that you want to rotate, then dragging the mouse in the direction you want the image to be rotated. You can also correct image tilt by drawing a line to serve as the horizontal reference for your reoriented image. Or, you can simply type a numerical value into the textbox.



After the image tilt has been adjusted, some parts of the resulting image will not contain image data. Aspect ratio is automatically retained at the default setting when an image is cut, so that the areas without image data will not be displayed. If you check [Include Areas without image data] in Edit List, the image is displayed in its original size and those areas of the image without image data will appear in white.



Simply draw reference line (enlarged)

Easy to reorient horizontally

### Shadow/Highlight Adjustments

Using the slider at [Quick Fix], you can adjust shadowy areas with [Shadow Adjust] and highlighted areas by using [Highlight Adjust]\*. You can also make such adjustments numerically by directly typing a value from 0 to 100 into the textbox.

\*[Highlight Adjust] supports RAW images (including NRW images of COOLPIX P6000), JPEG and TIFF, but is most effective for RAW images because they store additional highlight information.



Original image

## New functions that improve work efficiency

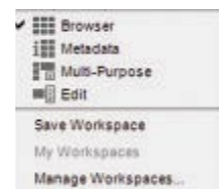
### Interface



1 Menu bar 2 Toolbar 3 Labeling and rating toolbar 4 Tool option bar 5 Folders 6 Metadata 7 Browser 8 Image window 9 Bird's Eye 10 Edit list 11 Photo info

### Workspaces

Four workspaces are provided — Browser, Metadata, Multi-Purpose and Edit — and your window composition can easily be switched among them. Workspaces can be saved with a palette layout, then reopened later. Various customizable shortcuts are also available.



## A diverse range of functions to achieve your desired photographic expression

### Selection Tools

Tools such as Select Brush, Lasso, Polygon Select, and Selection Gradient give you a variety of creative editing functions.

### Batch Processing

Pre-set editing information can be applied to all image data in a selected folder.

### 16-bit Image Compatible

16-bit internal processing of all editing and adjustments maintains high image quality.

### Vignette Control (Images captured by digital SLR only)

Allows you to brighten up in a balanced way those dark corners of an image that result from insufficient light around the lens.

### Auto Lateral Color Aberration Control

Reduces lateral chromatic aberration throughout an entire image, for superior overall image quality.

### Axial Color Aberration Control

Reduces axial color aberration throughout an entire image, for superior overall image quality.

### Distortion Control Function

Reduces pincushion and barrel distortions, for distortion-free images.

### Auto Distortion Control

(Images captured by Nikon digital SLR with G- or D- type lens\*) Reduces image distortion such as barrel distortion when using a wideangle lens, or pincushion distortion when using a telephoto lens, for distortion-free images.

\*Except images captured by D1 series or D100 with a PC, fisheye and some other lenses.

### Noise Reduction

Color noise, edge noise, and color moiré reduction functions reduce noise in details without degrading image quality. (Noise Reduction in the Camera Settings section of the Edit List can be applied only to RAW [NEF/NRW] images.)

### Active D-Lighting

(Images captured by Nikon digital SLR using Active D-Lighting only)

Available only for RAW (NEF) images taken using Active D-Lighting function. A shadowy area of an image that had been intentionally underexposed to prevent blow-out of a highlighted area, is brightened to achieve appropriate tonality levels, and ensure natural contrast throughout the image.

### D-Lighting

Corrects the tones of shadowy and dark backlit images. Features [High quality (HQ)] for superior quality and [High speed (HS)] for superior processing speed.

### LCH Editor

Individual palettes for brightness, color brightness, saturation and hue let you intuitively create the tone color as you like.

### Image Dust Off

(RAW [NEF] images captured by Nikon digital SLR with CPU lens only [Not available for D1; Firmware Ver. 1. 10 or later required for D1X and D1H]) Effectively reduces dust photographed on an image.

### Fisheye Image Transformer

Converts images taken with diagonal fisheye lenses, such as AF DX Fisheye-Nikkor 10.5mm f/2.8G ED and AF Fisheye-Nikkor 16mm f/2.8D, to appear as if they had been captured by an ultra-wideangle lens.

### Highlighted/Shadowy Display

Indicates highlighted area resulting from backlit or shadowy area due to insufficient flash. Lets you determine at a glance where adjustment should be made, for significant improvement in work efficiency.

### Picture Control Compatibility

(RAW [NEF] images captured by a digital SLR and RAW [NRW]\* images captured by COOLPIX P6000 only)

Allows you to apply Picture Control to an image or adjust image-creation parameters. The Picture Control Utility (included) lets you save adjustments with Custom Picture Control and use the customized settings with compatible cameras or software via a memory card. The customized settings can also be applied to RAW data (NEF) taken with a Nikon D-SLR that does not support Picture Control.

\*Because the COOLPIX P6000 is compatible with COOLPIX Picture Control, color tone obtained by Picture Control setting using Capture NX 2 will not be the same as that set on the camera.

### Quick Fix

This is a combination of frequently used tools including [Level and Tone Curve], [Exposure Compensation]\*, [Contrast], [Highlight Protection], [Shadow Protection] and [Saturation], displayed in a single window. To work at high efficiency, take advantage of [Quick Fix] to process multiple tasks, using the image processing steps of each function to adjust details.

\* Exposure Compensation can be applied to RAW (NEF/NRW) images only



### Simultaneous Opening of Multiple Image Processing Settings

Multiple image processing settings can be opened at the same time, enabling you to make parallel process adjustments of multiple details.

### Label/Rating

Supports nine kinds of labeling and five levels of ratings according to XMP, a metadata industry standard. Compatible with ViewNX, Adobe Bridge, and Windows Vista. Capable of filter sorting by label and rating.

