

Kodak N2040/N2050 Series Scanners

User's Guide



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Safety

User Precautions

- Place the scanner on a sturdy, level work surface capable of supporting 3.2 kg (7 lbs).
- Do not install the scanner in a location subject to dust, humidity or steam. This may cause electrical shock or a fire. Only use the scanner and power supply indoors in a dry location.
- Make sure the electrical power outlet is located within 1.52 meters (5 feet) of the scanner and is easily accessible in case of an emergency.
- Plug the power adapter securely into the wall outlet. Failure to do so may cause electrical shock or fire.
- Do not damage, knot, cut or modify the power cord. This may cause electrical shock or fire.
- Use only the AC adapter that is supplied with the scanner. Do not use the scanner's AC adapter with any other product. This may cause electrical shock or fire.
- Do not use the scanner if it becomes inordinately hot, has a strange odor, emits smoke, or makes unfamiliar noises. Immediately stop the scanner and disconnect the power cord from the power outlet. Contact Technical Support.
- Do not disassemble or modify the scanner or the AC power adapter.
- Do not move the scanner with the power cord and interface cable attached. This may cause damage to the cord/cable. Remove the power cord from the wall outlet before moving the scanner.
- Follow the Kodak Alaris recommended cleaning procedures. Do not use air, liquid or gas spray cleaners. These cleaners displace dust, dirt and debris to another location within the scanner, which may cause the scanner to malfunction.
- Safety Data Sheets (SDS) for chemical products are available on the Kodak Alaris website at: <https://corporate.kodakalaris.com/About-Us/Environment,-Health-and-Safety>. When accessing the SDS from the website, you will be required to provide the catalog number. See "Supplies and Consumables" for supplies and catalog numbers.
- This device is not intended for use in the direct field of view at visual display workplaces. To avoid incommoding reflexions at visual display workplaces this device must not be placed in the direct field of view.



Warning labels

CAUTION: Moving parts, avoid contact

Acoustic emission

Maschinenlärminformations-Verordnung – 3, GSGV
Der arbeitsplatzbezogene Emissionswert beträgt <70 dB(A).

[Machine Noise Information Ordinance — 3, GSGV
The operator-position noise emission value is <70 dB(A).]

1 Overview

Scanner models

This User's Guide provides information and procedures for using and maintaining the KODAK N2040 and N2050 Scanners.

The KODAK N2000 Scanners are compact, duplex color document scanners perfect for personal and workgroup use. They scan 40-50 A4/letter size pages per minute (200/300 dpi black and white, grayscale, and color). The input tray holds 100 pages. The dual LED indirect illumination provides excellent image quality.

All these scanner models are entitled to use a free downloadable KODAK scanning application, available at the support page for your model. KODAK scanning applications allow you to scan your documents and send them to various destinations with the touch of a button.

The scanners may also be used with other PC-based scanning applications by means of the TWAIN driver interface.

The scanners also support the following flatbed accessories:

- KODAK Passport Flatbed
- KODAK Integrated A4/Legal Size Flatbed

KODAK N2040/N2050 Scanners



The scanners offer USB or Ethernet connections. One scanner can therefore be accessed by more than one PC on the network.

The scanners let you monitor and direct the scanner using a touch screen display on the scanner itself.

The N2040 models scan A4/letter-size documents at 40 pages per minute, the N2050 model at 50 pages per minute (duplex scanning of portrait-oriented pages, 200/300 dpi, in black and white, grayscale, or color).

Scanner Specifications

Current scanner specifications may be found here:

www.KodakAlaris.com/go/N2000

Look for a link to specifications for your specific scanner model.

NOTE: Specifications on the web site refer to the latest scanner driver and firmware versions.

Illustrations in this guide

This User's Guide provides information and procedures for all KODAK N2040/N2050 Scanners. Your model may look slightly different from a specific illustration. The information in this guide applies to all N2000 scanner models unless otherwise noted.

Supporting documentation

In addition to this User's Guide, the following documentation is also available:

- **Installation Guide** — quick visual steps for installing your scanner.
- **Reference Guide** — easy visual steps for cleaning your scanner. Download this guide and keep it close to the scanner.
- **User Guides for KODAK scanning applications** — information on how to use free downloadable KODAK scanning applications.
- **Help for TWAIN** — information on how to use the TWAIN Datasource Driver is available in Help. Use the F1 key after you have selected a driver and the user interface appears.
- The manuals for your scanner can be found on the Support page for your model:

www.KodakAlaris.com/go/N2000support

Accessories

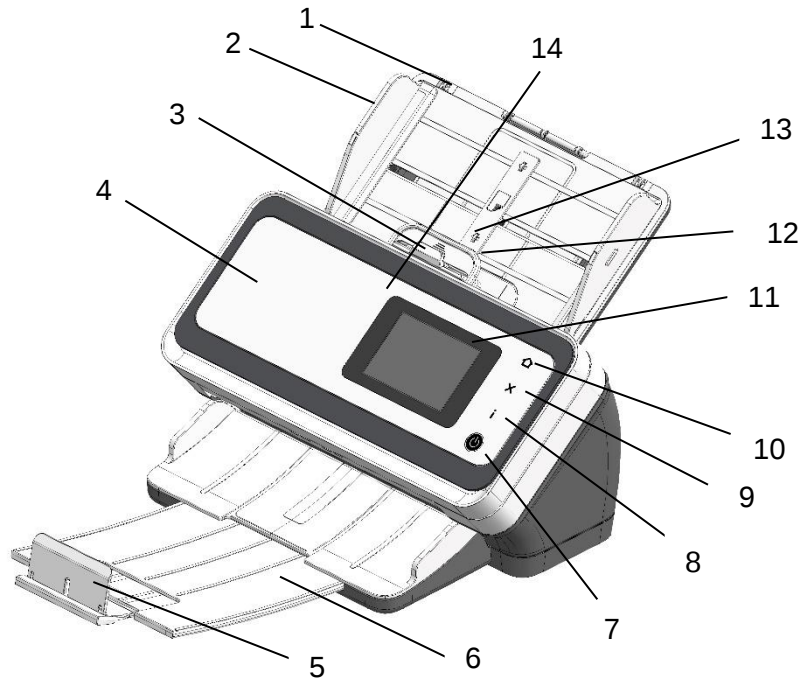
Accessories, including flatbeds of different sizes and a sleeve for scanning delicate or oversize pages, can be found on our website:

www.KodakAlaris.com/go/N2000

Scanner components

Front view

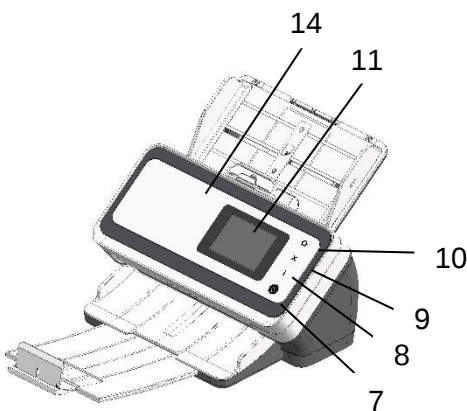
This illustration shows the N2040/N2050 model scanners.



- 1 Input tray** — the input tray holds up to 100 pages of A4 80 g/m² paper and can be extended to accommodate pages up to legal size (14 inches/355.6 mm). In long document mode it will accept pages up to 120 inches/3 m. (Long documents need additional support to hold them up so they don't droop off the back of the input tray. See "Getting your scanner ready to scan" on page 21 for illustration of input tray extension)
- 2 Side guides** — the side guides can be moved in and out to accommodate the size of pages you are scanning. Side guides may be locked in place for letter size or A4 size paper. See "Getting your scanner ready to scan" on page 21.
- 3 Gap release** — allows you to manually adjust the space between the feed roller and separation roller for pages that require special handling (e.g. thick paper, envelopes, hard cards). When using the gap release, pull the gap release out to feed special pages. When finished, push the gap release back in place.
- 4 Scanner cover** — when opened, provides access to internal components such as the imaging area and the feed and separation rollers.
- 5 End Stop** — can be lifted up when scanning, for better stacking of output pages

-
- 6 **Output tray** — collects the scanned pages. The output tray can be pulled out and extended to accommodate pages up to 35.56 cm (14 inches) in length. For longer pages, keep the end stop down.
 - 7 **Power button** — touch this button to turn the scanner on or off. The power button is illuminated when the scanner is powered on. The lighted button blinks when a situation requires your attention: for example, to close the scanner cover. It blinks more slowly when the scanner is in low power mode.
 - 8 **i button** — takes you to a display of scanner information.
 - 9 **X button** — this multi-function button can **End** or **Pause** a scanning job, or **Cancel** out of a menu. Its function varies at different times during scanner operation.
 - 10 **Home button** — returns you to the scanner home display. For KODAK scanning applications, you will see the list of scanning setups. For applications that must initiate scanning at the PC, you will see the Ready screen.
 - 11 **Scanner screen** — a large touch screen with color graphic display of scanner information and controls. The screen provides access for KODAK scanning applications that allow you to initiate scanning at the scanner.

Front view

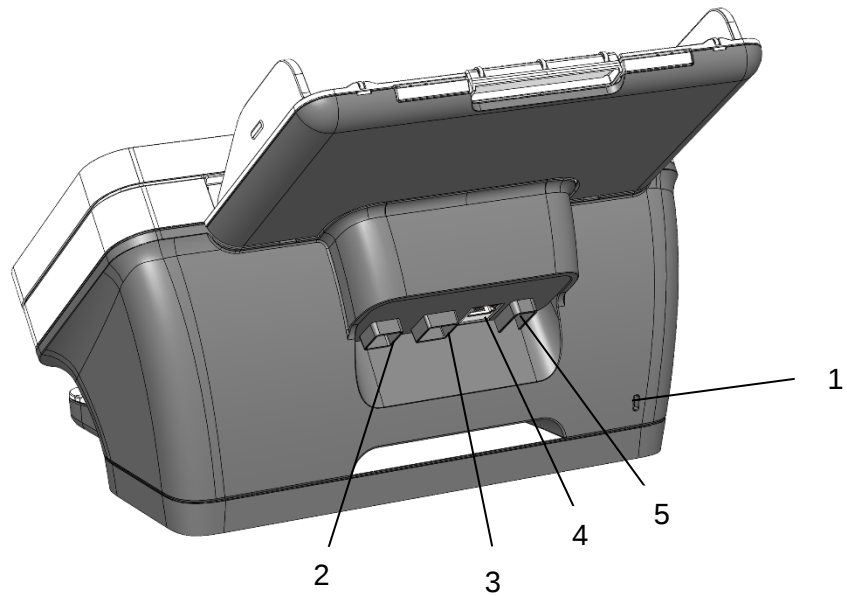


NOTES:

- Play, Up, and Down functions are available using the scanner touch screen.
- Due to the fixed-angle design of the product's touchscreen, visibility may be affected by ambient light glare or reduced display contrast in certain environments. Precautions recommended having proper placement and usage of machine to ensure better screen visibility and ease of operation.
- Touch Screen Cleaning Instructions: Only use a clean, lint-free cloth or detailing wipes. Avoid paper towels, tissues, or rough rags, as these are abrasive and can leave permanent scratches. Gently wipe the screen in small circular motions. Do not press hard.

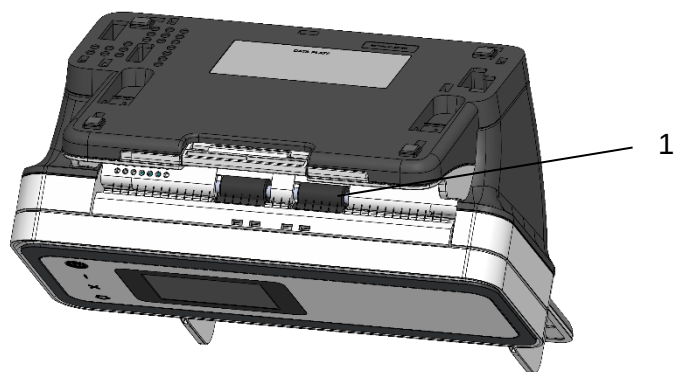
- 12 **Scanner cover release lever** — opens the scanner to allow access to the paper path for cleaning or for clearing a document jam.
- 13 **ID card positioning** — for scanning one small card (such as US driver's license or other credit card sized ID cards) in landscape orientation. Refer to "Scanning small items" on page 32 for precise positioning of credit card.
- 14 **Close scanner cover by pressing here.**

Back view



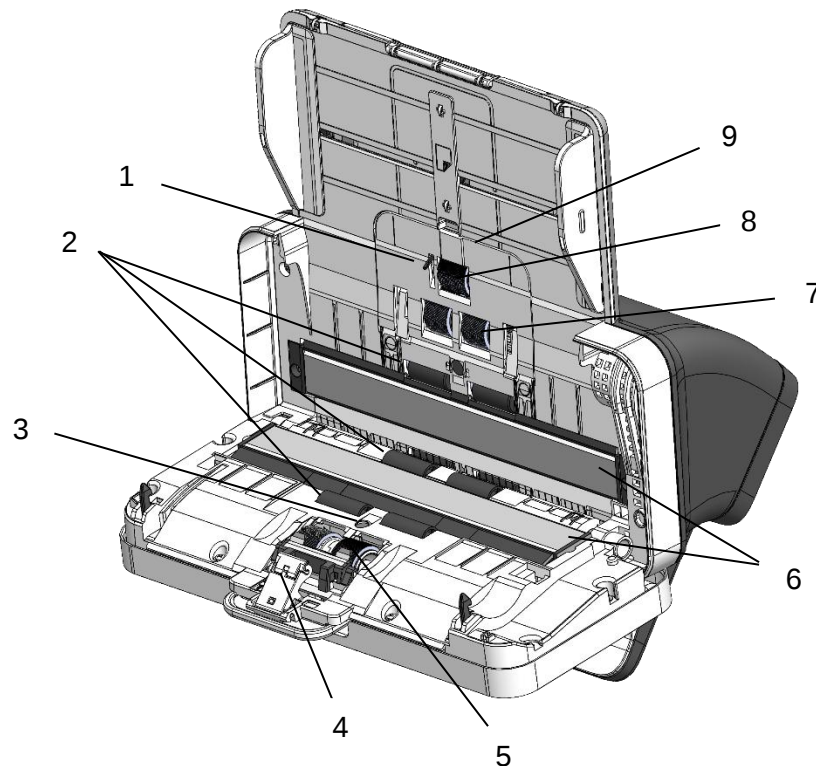
- 1 Security lock port** — allows you to connect a security lock to the scanner. You can purchase a standard security lock at an office supply store.
- 2 Power port** — connects the power supply to the scanner.
- 3 USB 3.1 Super Speed port** — connects the scanner to the PC.
- 4 Ethernet port** — connects the scanner to the network.
- 5 USB port** — connects the scanner to a KODAK integrated or Passport flatbed.

Underside view



- 1 Transport rollers** — There are eight transport rollers. Six transport rollers should be cleaned from inside the scanner (see “Inside view” on page 11); these two should be cleaned from the underside.

Inside view



- 1 Paper present sensor** — detects the presence of paper in the input tray.
- 2 Transport rollers** — six rollers, plus the two visible on the “Underside view” on page 10, help move paper smoothly through the scanner.
- 3 Multifeed sensor** — detects multifeed pages and pages that are crinkling in the scanner.
- 4 Pre-separation pad** — helps to feed one page at a time from the input tray.
- 5 Separation roller** — provides smooth page feeding and separation of various sizes, thicknesses and textures of input pages.
- 6 Image glass** — the area of the scanner where imaging takes place.
- 7 Feed roller** — provides smooth feeding and separation of various sizes, thicknesses and textures of pages.
- 8 Urging roller** — pulls next page into scanner from the input tray.
- 9 Feed roller cover** — provides access to feed rollers.

2 Installation

Unboxing the scanner

Follow these steps to unbox your scanner and get it ready to be set up.

1. Open the scanner box.
2. Remove all the contents from the scanner box.
3. Remove all the shipping tape from the scanner.
4. Find the *Installation Guide* and open it.
5. Verify the contents of scanner box. (Refer to left panel of the *Installation Guide*.)

Setting up your scanner

Follow these steps from the *Installation Guide*.

1. Install the input tray.
2. Attach the correct AC plug adapter to the power supply. Attach the power supply to the scanner, and then to a power outlet.

NOTE: Do not attach any other cables to the scanner at this time (e.g. USB). You will be instructed when to do that, at the proper time.

3. Turn the scanner on by pressing the power button  on the front of the scanner.

Additional set up steps:

In addition to the above steps from the *Installation Guide*, you will need to configure the scanner's network settings using the scanner's display.

The Language selection screen will be displayed, unless the scanner was previously configured. If the scanner was previously configured, you can reset the scanner so it will start this set up again:

- Press  on the scanner's display to open the Settings menu.
- Scroll down to "Reset", then press it.
- Follow any prompts.

NOTE: The Settings menu can also be used to change individual network and power settings.

To navigate through the scanner's display set-up screens, make your selection(s) and then press the right arrow  to go to the next screen/step. To go back to the previous screen/step, press the left arrow  .

There are two main set up paths:

- "Setup Wizard" – Allows you to use the scanner's display to set up the scanner for three common configurations. This is a good choice for a small company or small group. The choices are:
 - Wired Network: USB is also available.
 - USB Only: Wired access is turned off/disabled.
- "Scan EasySetup Document" – Allows you to scan a previously created EasySetup configuration document. This is more suited for a large installation where a system administrator can set up the parameters for uniform use across the company or multiple sites.

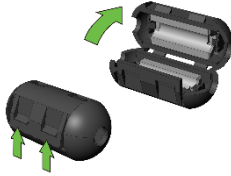
To create an EasySetup configuration document, go to <https://easysetup.kodakalaris.com> and follow the instructions. You can then print the PDF for your use, or e-mail the PDF to your users.

NOTE: You can cancel out of the network set up process by pressing the  button on the scanner. If you cancel, the scanner will use the default network settings: Wired Network is turned on/enabled in automatic (DHCP) mode, and USB is available.

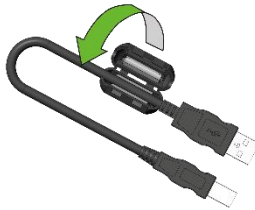
Install ferrite core (Ethernet)

If you are using an Ethernet cable, you will want to install the provided ferrite core. Without a properly attached ferrite core, the scanner may cause interference to nearby wireless devices.

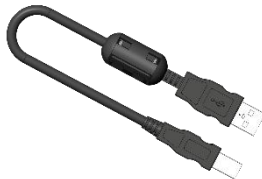
1. Open the ferrite core that came with the scanner.



2. Wrap the Ethernet cable around the ferrite core as shown. Place it approximately 3 in./7.6 cm from the end of the Ethernet cable that will be plugged into the scanner.



3. Close the ferrite core, being careful not to pinch the Ethernet cable.



Install Stacking Deflector Accessory

Contents of the kit:



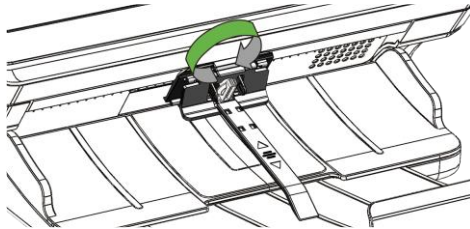
- One Stacking Deflector Accessory for the N2000 model scanners.

Expected use of stacking deflector:

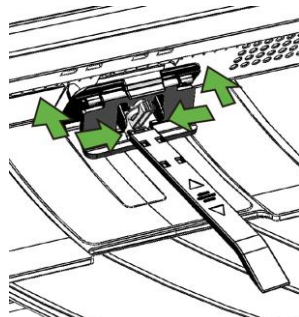
The stacking deflector accessory attaches to the front lower edge of the scanner cover. It helps paper exiting the scanner to remain in order and to stack correctly.

How to install:

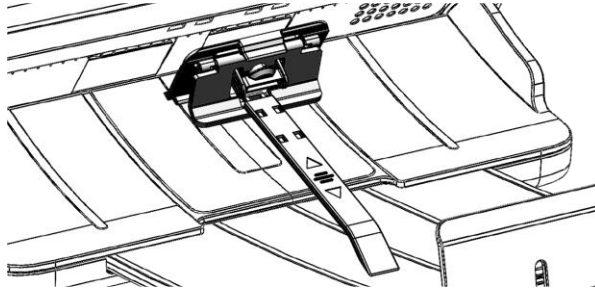
1. Turn the locking knob to vertical.



2. Hold the stacking deflector slightly in front of and lower than the front lower edge of the scanner cover, with the leg pointing away from the scanner.
3. The deflector bracket has four tabs. These tabs need to line up with four slots in the lower edge of the scanner cover.
4. When the tabs are lined up, squeeze on the small touch points to left and right of the locking knob. Squeeze and then push the four tabs into the slots. Stop squeezing once the stacking deflector is seated against the lower edge of the scanner cover.



-
5. Turn the locking knob horizontal into its locked position. The stacking deflector is now held in place on the scanner. When the deflector is installed correctly, they will touch the partially extended output tray.



Install driver software

1. If your computer has access to the internet, obtain the driver software from scanner's product website:
 - Go to your scanner's product support website:
www.KodakAlaris.com/go/N2000support
 - Scroll to the driver section that matches your computer's Operating System.
 - Select the file to download. For Windows, "Windows – EXE". For Linux, pick the package that is appropriate for your distribution.
 - Run the driver software installer.
2. If you are unable to download the driver (TWAIN) from the scanner's product website, and your computer is running a Windows Operating System:
 - Place the disc from the scanner box into the disc drive of your computer.
 - If your computer does not automatically start the installer, browse to the disc and run set_up.exe.
3. Follow the steps of the "KODAK N2040/N2050 Series Scanners" driver software installation.

Available KODAK Scanning Software

Easy-to-use KODAK scanning applications have been customized to work with your scanner (see descriptions below). They can be downloaded from your scanner's product support website:

www.KodakAlaris.com/go/N2000support

Smart Touch

Easy to use application that allows you to scan your paper documents, then search for and view the digitized documents.

3 Scanning

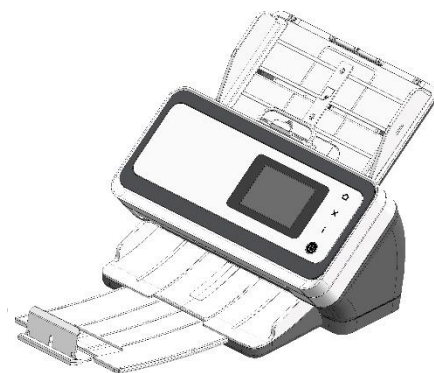
Basic scanning

Scanner controls

The cover of the scanner contains a touch screen with a color display and four buttons.

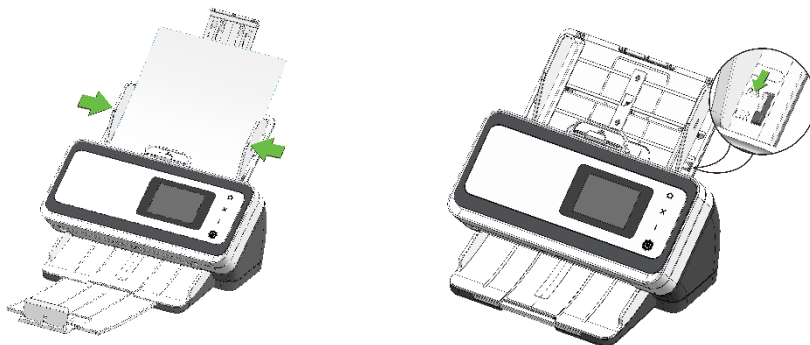
The power button  is used to turn the scanner on and off.

Refer to “Scanner display and buttons:” on page 25 for more information.

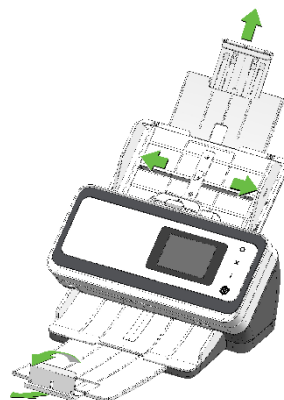


Getting your scanner ready to scan

1. Be sure the scanner is on and ready to scan (power button is on and LED is illuminated).



2. Move the side guides in or out to fit the size of pages you are scanning. If scanning letter or A4 size paper, the side guides may be restricted to the maximum width of the paper using the switch in the inset below on right. The switch is shown in the letter size position.
3. See “Preparing documents for scanning” step number 6 on page 30.
4. If necessary, adjust the input and output trays for the length of your pages. The output tray can be extended to accommodate pages up to 35.56 cm (14 inches) in length. An end stop is available to assist output page stacking. Lift this end stop as needed for scanning pages up to 14 in/35.6 cm. Keep the end stop *down* when scanning longer pages. See “Long paper” on page 33.



Getting your pages ready to scan

Refer to the following sections for detailed help:

- “Input tray capacity” on page 29
- “Preparing documents for scanning” on page 29

Later sections of this chapter provide advice on how to scan hard cards, batches of mixed size paper, NCR paper, etc.

Scanning Applications

Initial scan with a KODAK scanning application

KODAK scanning applications are available for download with your scanner purchase and will allow you to quickly and easily perform common scanning tasks, such as:

- create a searchable PDF of a printed report
- scan an invoice and store it with your other invoices
- scan a photo to add to a presentation

If you installed a KODAK scanning application, the following steps show you how to create an output file of your document. For more information about the scanning options enabled by KODAK scanning applications, refer to the documentation for your specific application.

1. Put paper in the scanner input tray, face down and lead edge first
2. Using the scroll bar on the scanner, scroll up or down until *Color PDF* appears on the scanner screen. The front and back of your pages will be scanned and produce a color PDF file as output.
3. Press the scanner screen to begin scanning.

The document will be scanned. When you output it, the PDF file with your image(s) will be sent to a folder. Refer to the documentation for your KODAK scanning application to see details of the folder location.

Sharing the scanner among multiple PCs

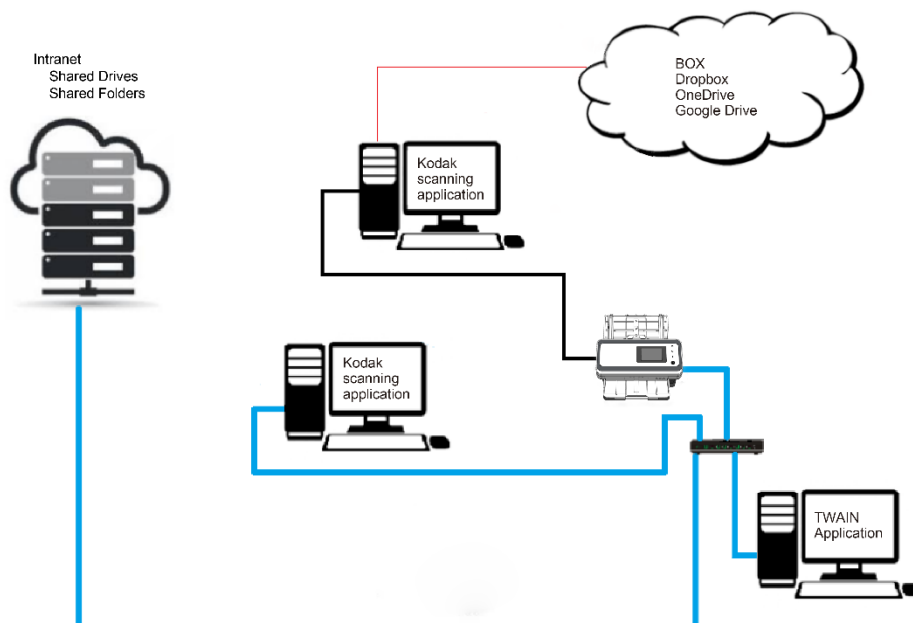
NOTE: This section is relevant only for scanning with button-enabled applications which allow scanning to be initiated at the scanner (requires a KODAK scanning application).

By default, the N2000 Series scanners:

- will allow any PC to connect over an enabled wired connection.
- are in multiple PC mode. Multiple PC mode enables unlimited access by PCs using TWAIN or WIA drivers over a network connection. Up to 10 PCs with button-enabled applications installed will be displayed on the scanner screen. Limiting scanner access to a single PC is explained in “Restricting use of the scanner to one PC” on page 24.

Setup for sharing the network scanner among PCs:

1. The scanner is configured for wired connections.
2. Several PCs or laptops install the N2000 scanner driver and install a KODAK scanning application.
3. The users may optionally add a 4-digit numeric PIN to their KODAK scanning application configuration.
4. The users may set up custom activities in a KODAK scanning application, based on their needs. For example, users may set up an activity to scan to their own One Drive account.



Restricting use of the scanner to one PC

The N2000 scanners may be set up to limit access by PCs using TWAIN or WIA drivers over a network connection. By enabling *Single PC Mode* in the display screen (Settings menu) or the scanner's embedded web site, only the "owning PC" can connect using the scanner drivers. The "owning PC" is the first PC to connect (using the connect scanner utility) after the scanner is placed into Single PC Mode. The scanner screen will display the owning PCs activities directly (for example; activities, tasks, button shortcuts).

When in Single PC Mode, KODAK button-enabled applications will not allow user selection at the scanner screen.

In Single PC Mode, use the scanner in this way:

1. Log in on the PC that "owns" the scanner.
2. Load your pages into the input tray.
3. At the touch screen, scroll to the desired activity name (e.g. *License*). Choosing the name will initiate scanning.
4. Retrieve your pages from the output tray.
5. Access your images on the PC using your KODAK scanning application, or the file system.

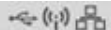
Other scanning applications

KODAK offers scanning options, such as Info Input Solution. The applications have other capabilities that can improve your data capture, processing, and retrieval. Contact your reseller for more information, or go to www.KodakAlaris.com/go/software.

You may already have a different scanning application that accesses your scanner using its TWAIN driver.

Scanner display and buttons:

Conventions in the N2000 display screens

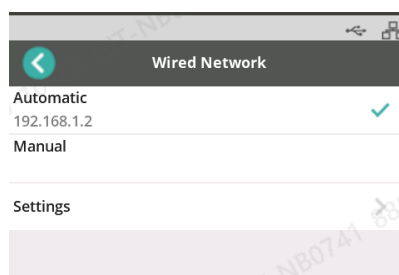
The Status bar  on the display screen shows connections for the scanner: USB or wired network.

The Back  button goes back once.

The Next  button advances to the next screen.

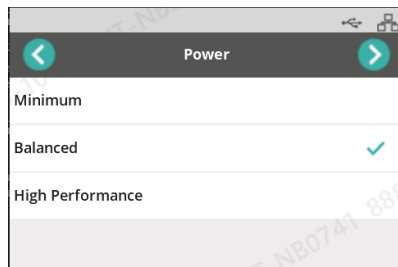
The menu  icon leads to network and power Settings.

This icon  beside a menu option means you have a choice of “on” or “off” for the option:



The colored icon means “on” and the gray icon means “off.”

A check mark means the option is selected:



When more options are available than the screen can display, a scroll bar is provided:



Ready

Several displays are possible when the scanner is ready to start scanning:

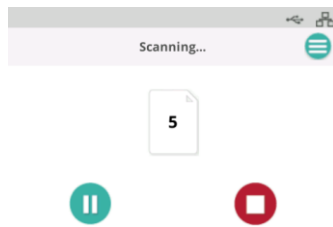
- Choose yourself from the list of possible users.
- Choose the scan setting or activity to use for scanning.
- The generic Ready display (shown here) if your scanning application allows you to initiate scanning.



NOTE: If another user is scanning, the display screen will indicate that the scanner is in use by someone else.

Scanning

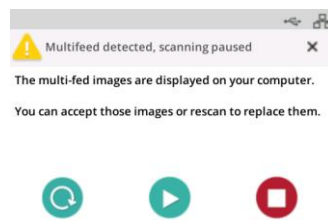
When you are scanning, the display shows the page count for this scan session. It also allows you to pause scanning or end the job.



Waiting

Sometimes the scanner will wait for you to take some action:

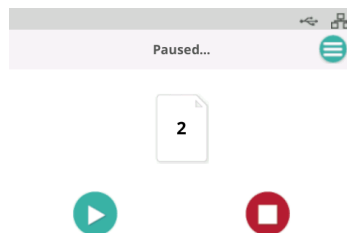
- A feeding situation such as a multifeed waits for you to take some action. The scanner screen indicates your options: rescan, accept the images and continue scanning, or end scanning.



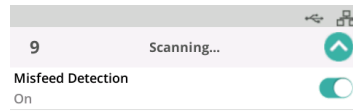
Pause

- Restart required — power the scanner off, wait 5 seconds, then power it on.
- Scanner cover open — close the cover.

Pause the scanner with the **X** button or Pause  on the scanner screen. The scanner screen indicates the pause; the scanner waits for you to either resume, or stop scanning **X** or .

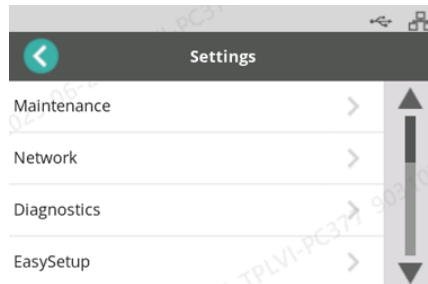


If you pause the scanner, options are available from the menu. For instance, if you know an envelope will enter the scanner and you don't want a multifeed reported, you can pause scanning, choose the menu icon , and disable multifeed detection during the pause.



Scanner settings

From the Settings screen you can review or change the network and power choices for the scanner.



Also in Settings you can:

- Record Maintenance events such as when the scanner was cleaned or parts replaced.
- Choose the language for the display.
- Choose whether the user from only one PC or users from multiple PCs can initiate scanning at the scanner.
- Access diagnostics.

Paper handling challenges and solutions

Input tray capacity

Paper weight and size determine how much paper can feed smoothly from the input tray. The input tray will accommodate 100 pages of 20 lb (75 g/m²) paper. Even if you use thinner paper, do not load more than 100 sheets:

Paper weight — g/m ²	Paper weight — lb	For A4, letter, or shorter size	For legal size
27 - 80	7.2 - 21	100 sheets	80 sheets
> 80 - 105	> 21 - 28	80 sheets	60 sheets
> 105-128	> 28 - 34	65 sheets	50 sheets
> 128-157	> 34 – 42	55 sheets	40 sheets
> 157-209	> 42 – 56	40 sheets	30 sheets
> 209-256	> 56 – 69	35 sheets	25 sheets
> 256-413	> 69	20 sheets	16 sheets

Preparing documents for scanning

The pages being scanned and physical setup of the scanner affect how smoothly your input pages will feed into the scanner and stack after passing through the scanner. Standard paper size pages feed easily.

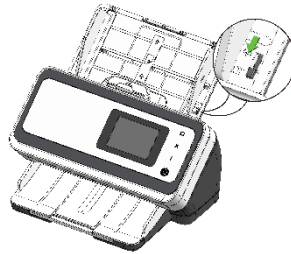
Be sure your pages conform to size, weight, and type of documents that the scanner can handle. See the scanner specifications for your scanner model, at:

www.KodakAlaris.com/go/N2000

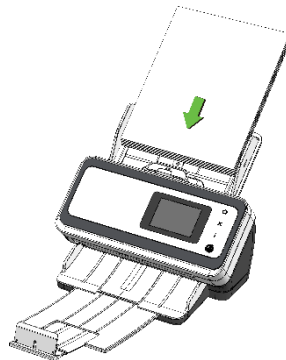
Follow these best practices to ensure quality feeding:

1. Remove all staples and paper clips from the pages.
2. All inks and correction fluids on the paper must be dry before scanning is started.
3. If your pages stick together, they may have trouble feeding one by one. Fan the pages to help them separate, before putting them in the input tray. It can be helpful to fan them in two directions if they stick tightly together (e.g. because of static or because they are very smooth).
4. After fanning, straighten the stack of pages. If the pages have mixed sizes, straighten just at the edge that will lead them into the scanner. If the pages are all the same size, straighten them first on a side edge and then on the lead edge.
5. Place the pages centered in the input tray, between the side guides. Position the front side of your pages face down against the input tray and the top of the pages into the input tray, lead edge first. Extend the input tray so it supports the input stack.

6. Slide the side guides so they touch the sides of your input stack. If your paper is standard letter or A4 size, the input tray has a switch to restrict the side guides from opening wider, as shown.



7. Extend the output tray so it is longer than the input stack by about 1/2 in/1 cm. Raise the end stop of the output tray, if the paper is shorter than 14 in/35 cm.
8. For pages that are difficult to feed or separate, feather the lead edges of the stack, as shown. Hold the back of the stack and bend the stack so the lead edges of the bottom documents are forward of the top documents. Maintain this shape in the stack when you place the pages into the input tray.



9. Some paper types can affect feeding and separation performance:
- Thermal papers
 - Coated papers
 - Glued edge papers
 - Perforated pages
 - Carbonless paper
 - Pre-folded paper
 - Papers with static charge
 - Photographs (glossy)
 - Rough textured paper
 - Previously stapled documents

You may need to experiment with these tips (see “Mixed paper” on page 31) to find the preparation steps and input stack size that work well for your documents.

Settings for reliable feeding

Mixed paper

Follow the tips in “Preparing documents for scanning” on page 29. Try to stack the input paper so it is centered, side to side in the input tray. Lead edges should align or be feathered.

Lightweight paper

Straighten the stack of input paper, then fan pages, before placing them in the feeder, lead edge first.

Do not push lightweight paper too far into the input tray. The scanner needs to detect the pages, pushing too far may crumple delicate paper.

NCR paper

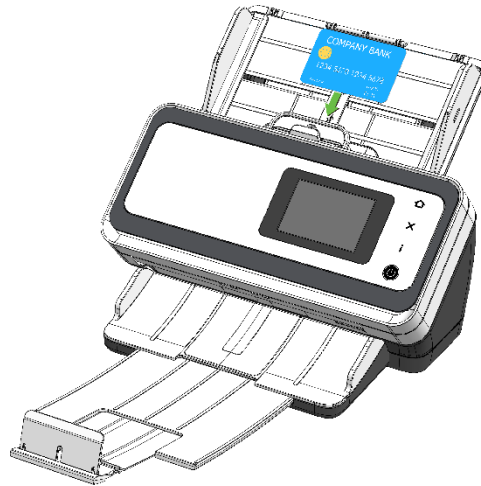
“No carbon required” (NCR) paper is coated with chemicals that affect the scanner rollers and can degrade scanner feeding performance. After scanning NCR paper you should clean the scanner. See “Cleaning procedures” on page 41.

Scanning small items

If you are scanning small items such as a driver’s license or credit card — especially hard cards that are relatively thick — they should be scanned with the embossed side up and ideally one at a time. You may need to assist them by hand.

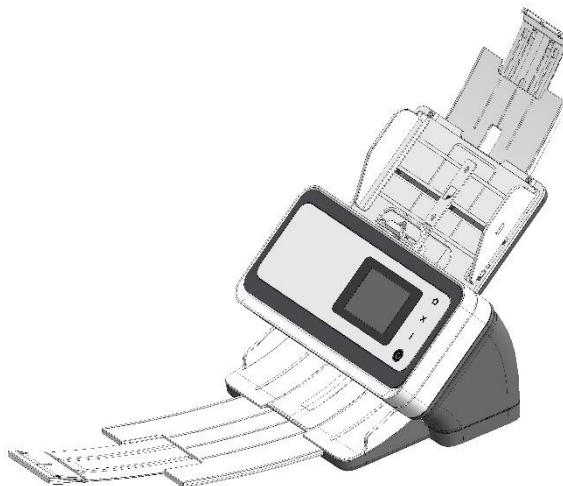
One card may be scanned first in a batch with larger pages.

Feed hard cards in landscape orientation.



Long paper

1. Provide support to the input stack. For long paper, extend the input tray as far as possible. Give additional support to very long paper by hand, if needed.
2. Set the output tray length at the maximum. Do not raise the end stop.

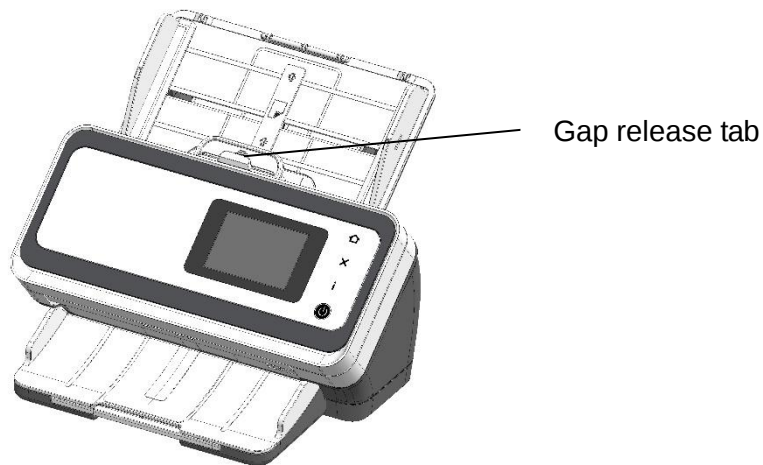


Fragile or oversize paper

Handle with care

If you are concerned that delicate pages might crumple as they pass through the scanner, using gap release is another option to handle the paper with care. Some pressure is used to separate the first (bottom) page in a stack from the rest of the stack. If you want to feed one delicate page or a photo with no pressure on it, pull up the gap release tab, put your page into the input tray, and scan it. Return the gap release tab to its normal position for scanning a stack of pages.

- You may have to experiment to find the optimal setting for your specific pages, balancing care of your pages against scanning throughput.



Handle with extra care

For fragile paper that you can't risk damaging, put each page into a document sleeve (to order KODAK Carrier Sleeves (5 packs), refer to the link for your scanner in "Supplies and Consumables" on page 55). To enable scanning with a carrier sleeve, refer to the TWAIN driver help or set-up guides. Set-up guides are available on the support page for your model.

- Put the paper in the sleeve and scan.

If you regularly scan fragile paper, you should consider adding a KODAK flatbed accessory. To see KODAK flatbed accessories available, refer to the link for your scanner in "Supplies and Consumables" on page 55.

Oversize paper

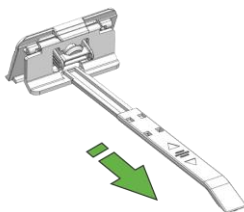
If you want to scan paper that is wider than the input opening of the scanner but less than twice that width, you can scan it folded, in a sleeve accessory (to order KODAK Carrier Sleeves (5 packs), refer to the link for your scanner model in "Supplies and Consumables" on page 55). To enable scanning a folded document, refer to the TWAIN driver help or set-up guides. Set-up guides are available on the support page for your model:

- Fold the paper in half so it fits into the sleeve.
- Both sides of the sleeved document will be scanned, and the images will be merged into one.

How to use the stacking deflector accessory

Scanning paper of mixed lengths

1. The stacking deflector leg is down for use.
2. The leg length is adjustable. Hold the stacking deflector at the touch points on the central hub when you want to change their length.



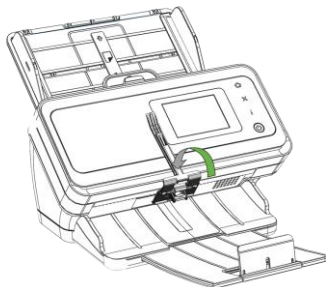
3. When scanning pages of different lengths (such as a form accompanied by a check), adjust the stacking deflector accessory leg so they will trap the shorter page. The longer pages will push under the deflector leg, but shorter pages will stay close to the scanner.



4. If scanning pages of several different lengths (for example 3 inches, 5 inches, and 11 inches long), adjust the deflector legs so they will trap all the shorter pages. In this example, adjust to trap the 5 inch pages. The shorter pages will stay near the scanner, and the longer pages will push beyond the stacking deflector leg.

Normal jobs

If your jobs stack nicely without the stacking deflector accessory, you can flip it up so the stacking deflector rests on the scanner cover. Flip the stacking deflector down again when needed. The stacking deflector is *not* recommended for lightweight pages longer than 150 mm (5.9 inches).



Multifeeds

A multifeed is more than one page passing through the imaging area together. It results in either one or more images not being captured, or an image that combines content from more than one page.

Detecting multifeeds during scanning

Adjust multifeed sensitivity in your scanning application.

If a multifeed occurs when you are scanning (and interactive multifeed is set up for your job):

1. Look at the image on your PC. If the image is acceptable, choose to accept it in your scanning application or press the Accept button at the scanner to resume scanning.
2. If the image is not acceptable:
 - Open the scanner cover.
 - Separate the multifeed pages and put them back at the bottom of the stack.
 - Shuffle the stack into good feeding form again.
 - Close the scanner.
 - Put stack into the input tray.
 - Choose **Rescan** at the scanner or in your scanning application. The image will be deleted and scanning will resume.

If scanner is stopping when paper is not multifeed

Adjust multifeed sensitivity in your scanning application. Refer to the TWAIN driver help or set-up guide. Set-up guides are available on the support page for your model. You may have to experiment to find the ideal setting with your types of pages.

If you still have trouble

If you have tried the other suggestions in this section and still have trouble, then check the scanner:

- See “Cleaning procedures” on page 41 for how to clean the scanner. Roller cleanliness and wear affect how well pages feed.
- See “Replacement procedures” on page 50 to be sure that feed rollers, separation rollers, and pre-separation pad are installed correctly.

Improving image quality

Your scanner is able to produce images optimized for your purpose. Here are some of the commonly used enhancements. These and more features are described in the Help system for your driver (TWAIN). These features are set up through the driver, so your KODAK scanning application may be able to use them in programmed scanning profiles or settings.

Recommended settings

Black and White Perfect Page and Color Perfect Page shortcuts in your driver provide our recommended settings for document scanning.

Other Perfect Page settings

The following settings can improve the appearance of your images or documents:

1. Auto blank page removal: Images with little or no data can be automatically removed from output, saving manual editing and storage.
2. Hole fill: Black holes from paper punches can be changed to the background color of the image.
3. Background color smoothing: In color images, uneven image background color can be changed to a more uniform background, for a cleaner looking image.
4. Noise reduction (despeckle): Black and white images may have noise (black specks) because of uneven paper thickness. Noise reduction options can make the image look cleaner. They also have some risk of removing information from the image, so if automated data recognition is your primary purpose, noise reduction may not be a good choice.
5. Image border: To remove all background at the image border, turn on Border.
6. Image Edge Fill: To remove all tears at the image border, turn on edge fill (either automatic or automatic with tears).
7. Color dropout: Removes unneeded form lines, in one or multiple colors.

-
8. Image merge: Front and back images can be merged into one — e.g. the front and back of a check can become one image.
 9. Dual stream: You can receive both a black and white and a color (or grayscale) image of the scanned page, for front, back, or both sides.
- NOTE: Certain options you select may slow scanner throughput.

Turning the scanner off

To turn the scanner off, touch the power button for 1 second.

NOTE: The *Power Off* energy saver feature will also turn the scanner off after an extended period of time in power saver mode. The default is 240 minutes. For the N2040/N2050 scanners, configure on the scanner touch screen or embedded web site.

“Wake up” actions

From off

- Press the scanner power button. 

From standby/sleep

Any of the following will wake the scanner from low power mode:

- Press the scanner power button.
- Put paper into the input tray.
- Use a scanning application that is connected to the scanner.
- Access the scanner on USB, or Ethernet.

4 Maintenance

Scanner meters

Your scanner has several meters with information about when to clean and replace various scanner parts. Using the meters will help to maintain image quality and scanning performance.

To see the meters display, choose Maintenance at the scanner screen. The meters display will show the tools symbol in either teal (cleaning or replacement limit not reached) or yellow (time to clean or replace):

No cleaning or replacement needed

Time to clean or to replace a part

Meter counts (scans since last cleaning or replacement)

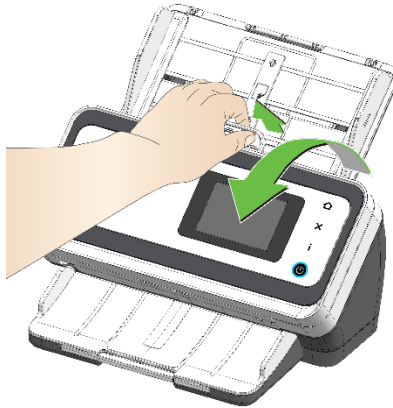


Choosing **Meters** from this screen will display the number of scans since the last cleaning or part replacement, and the number at which cleaning of the scanner or replacement of the part is needed.

 Choosing Reset for *Clean* or *Feed Kit* will turn the count back to 0 (number of scans since the last cleaning/replacement).

Opening the scanner cover

1. Pull the scanner cover release lever to release and open the scanner cover.



2. When you finish cleaning the scanner or replacing a part, close the scanner cover.

Cleaning procedures

Your scanner needs to be cleaned periodically. For any of these issues you should first clean your scanner:

- your pages do not feed easily
- several pages feed at the same time
- streaks appear on your images
- pages exiting the scanner have roller/tire marks

Transport cleaning sheets, roller cleaning pads, and Brilliantize solution are all available for purchase from Kodak Alaris. Refer to the link for your scanner in “Supplies and Consumables” on page 55 for supplies required to clean your scanner.

IMPORTANT: Use only cleaners recommended by Kodak Alaris. Do not use household cleaners. Do not use alcohol or products containing alcohol.

Allow surfaces to cool to ambient temperature before cleaning. Do not use cleaners on hot surfaces.

Use adequate ventilation. Do not use cleaners in confined areas.

After cleaning, allow rollers to dry before resuming scanning.

Clean in this order

1. Use a transport cleaning sheet several times to remove residue from the rollers. This cleaning technique is simpler for you and helps preserve the rollers. See “Running a transport cleaning sheet”.
2. If the rollers do not come clean with the transport cleaning sheet, then clean them with roller cleaning pads. Refer to “Cleaning the separation roller” and “Cleaning the feed rollers”.
3. When the rollers are clean, clean the imaging area. Refer to “Cleaning the imaging area”.
4. Wash your hands with soap and water after performing maintenance procedures.
5. Go to *Maintenance* on your scanner screen display and choose **Clean > Reset**. See “Scanner meters” on page 40.

Running a transport cleaning sheet

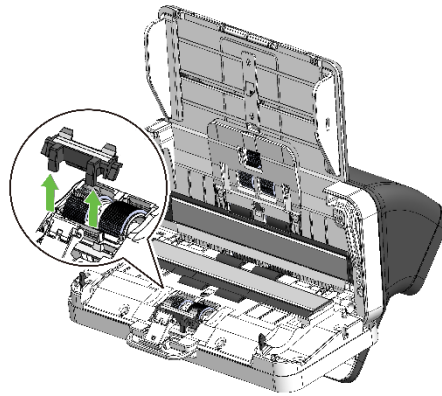
1. Remove the wrapping from the Transport Cleaning Sheet.
2. Adjust the side guides to fit the cleaning sheet.
3. Place a transport cleaning sheet in the input tray (adhesive side up, toward you) in portrait orientation.
4. Using your scanning application, scan the transport cleaning sheet.
5. After the transport cleaning sheet is scanned, turn it over (adhesive side down, toward the input tray) and scan it again.
6. Open the scanner cover and wipe the imaging area with a lint-free cloth.
7. Close the scanner cover.
8. Scan a few pages. Check that ink or toner from the rollers is not visible on scanned pages or on images.
9. If necessary, repeat this procedure.

NOTE: When a transport cleaning sheet gets very dirty, discard it and use a new one. If the sheet is not dirty, put it back into its wrapping to save for re-use.

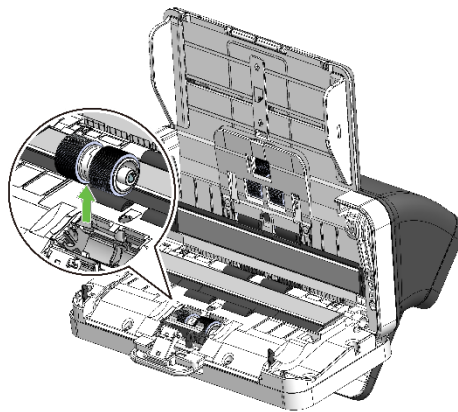
Cleaning the separation roller

The separation roller should be removed from the scanner for best cleaning results.

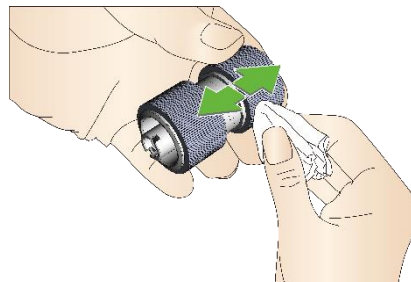
1. Open the scanner cover.
2. Remove the pre-separation pad by grasping it and pulling it straight out.



3. Grasp the separation roller and pull it straight out.



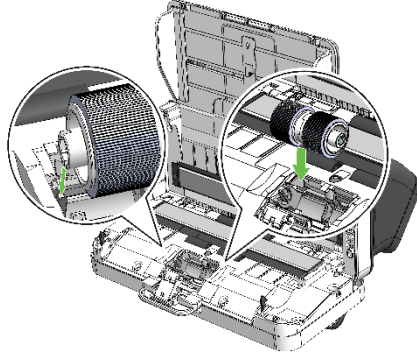
4. Wipe the separation roller tires with a roller cleaning pad. If there are grooves in the tires, wipe in the direction of the grooves. The tires on your model may look different than the tires in this illustration.



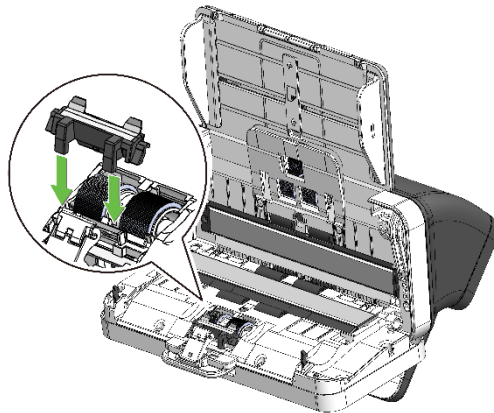
5. Inspect the separation roller.

If the separation roller tires show signs of wear or damage, replace the separation roller assembly. See “Replacement procedures” on page 46 for more information.

6. Reinstall the separation roller by aligning the tab with the slot and snapping it into position.



7. Reinstall the pre-separation pad by aligning the slots with the holes on the pre-separation pad and snapping it into place.

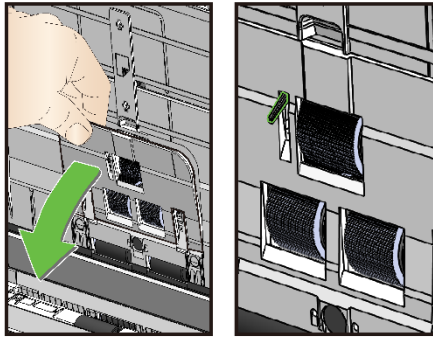


8. Close the scanner cover.

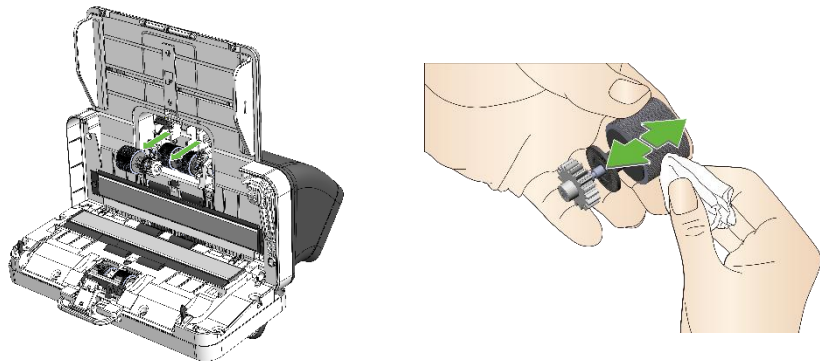
Cleaning the feed rollers

1. Open the scanner cover.
2. Grasp the top edge of the feed roller cover and lift it out of position.

NOTE: Be careful not to damage the paper present sensor when removing the feed roller cover or cleaning around the feed roller.

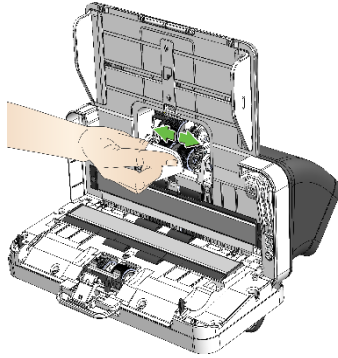


3. Remove the urging roller, then clean it with a roller cleaning pad.



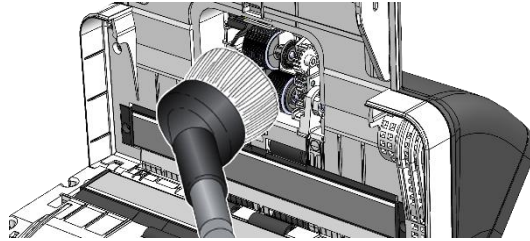
4. Replace the urging roller.

5. Clean the lower feed roller tires without removing them. Rotate the roller in place with one hand and wipe with the other, using a roller cleaning pad.

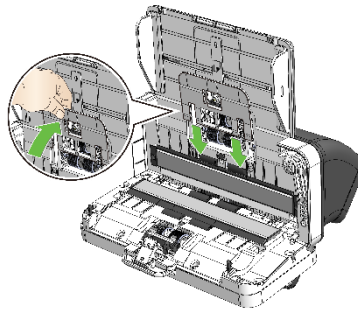


6. Inspect the feed rollers. If the feed roller tires show signs of wear or damage, replace the feed roller. See “Replacement procedures” on page 49 for more information.

-
7. Look at the cavity in which the feed rollers are housed. If it seems to contain excessive dust, wipe out the dust with a folded roller cleaning pad. You may also use a vacuum to clean this area.

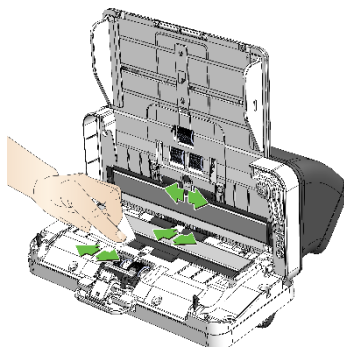


8. Reinstall the feed roller cover by positioning it around the paper present sensor (step 1), aligning the bottom edge of the cover with the scanner (step 2), and pushing it back into position until it snaps into place (step 3).



Cleaning the transport rollers

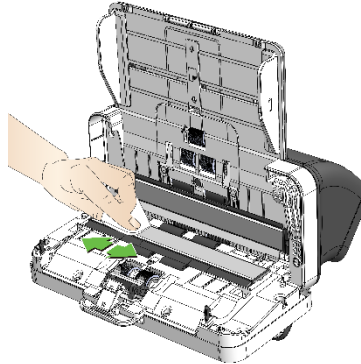
Use a roller cleaning pad to clean the transport rollers. Six are accessible from inside the scanner (shown below). Two are more easily reached from the underside. See “Underside view” on page 10.



Cleaning the imaging area

1. Wipe the upper and lower imaging area using Brilliantize solution and a microfiber cloth. Be careful not to scratch the imaging area when cleaning.

IMPORTANT: Brilliantize solution contains isopropanol which can cause eye irritation and dry skin. Wash your hands with soap and water after performing maintenance procedures. Refer to the Safety Data Sheet for more information.



2. Wipe the upper and lower imaging area again using a microfiber cloth to remove any streaks.
3. When finished, close the scanner cover.

Replacement procedures

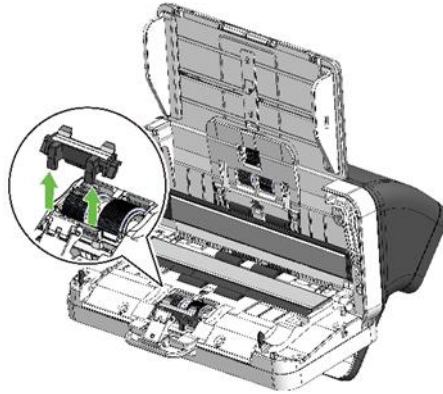
KODAK Scanners use replaceable feed roller modules that can feed a wide range of document types, sizes and thicknesses. Operating environment, document type, the condition of pages being scanned, the frequency of cleaning paper path and tires, and not following the recommended schedule for changing the feed roller module can cause the life of consumables to vary. Change the feed roller module if you notice an increase in multiple feeds or stoppages, or a decrease in feeder performance that is not resolved by following the cleaning procedures.

NOTES:

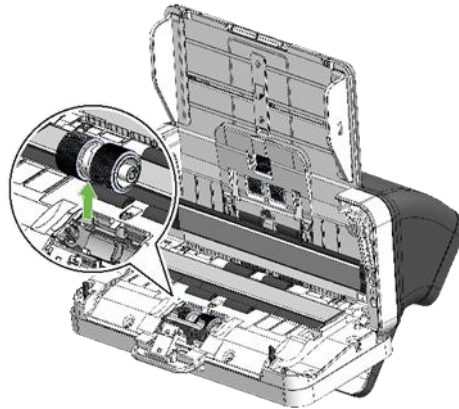
- Before replacing parts, disconnect the electrical power.
- Certain paper types (such as carbonless paper or newsprint), failure to clean regularly, and/or use of non-recommended cleaning solvents can shorten roller life.

Replacing the separation roller

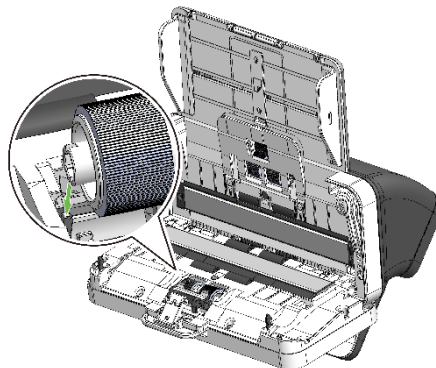
1. Open the scanner cover.
2. Remove the pre-separation pad by grasping it and pulling it straight out.



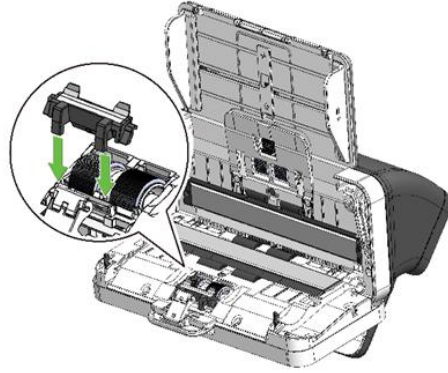
3. Grasp the separation roller and pull it straight out. Discard it.



4. Install the new separation roller by aligning the tab with the slot and snapping it into position.



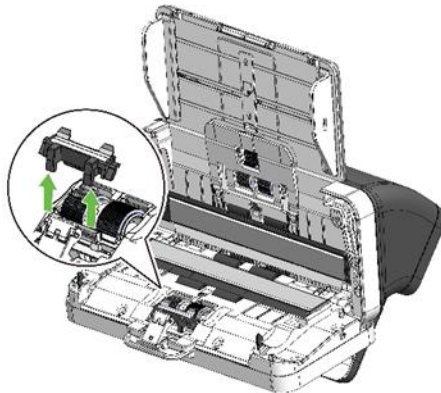
5. Re-install the pre-separation pad by aligning the slots with the holes on the pre-separation pad and snapping it into place.



6. Close the scanner cover.
7. Go to *Maintenance* on your scanner screen display and choose **Tires > Reset**. See “Scanner meters” on page 40.

Replacing the pre-separation pad

1. Remove the pre-separation pad by grasping it and pulling it out of position.



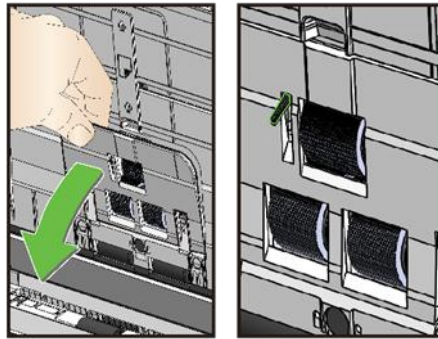
2. Discard the worn pre-separation pad.
3. Install the new pre-separation pad by aligning the slots with the holes on the pre-separation pad and snapping it into place.



4. Go to *Maintenance* on your scanner screen display and choose **Separation pad > Reset**. See “Scanner meters” on page 40.

Replacing the urging roller tire

1. Open the scanner cover.
2. Pull on the edge of the feed roller cover and lift it out of position.



NOTE: Be careful not to damage the paper present sensor when removing or cleaning around the feed roller.

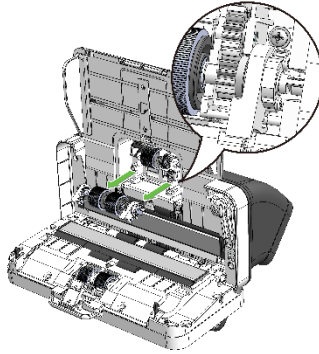
3. Remove the urging roller and replace the tire.



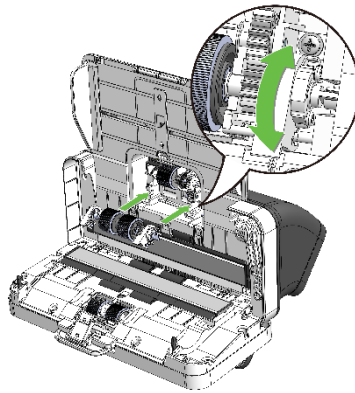
4. Reinstall the urging roller, aligning it correctly.

Replacing the feed roller

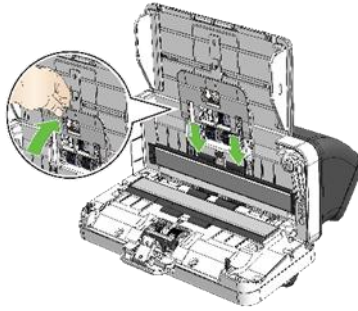
1. Rotate the feed roller so the pin is aligned with the open slot. The roller rotates in only one direction. Use the white bracket at the end to rotate the roller. When the pin is aligned properly, lift the roller out of position.



2. Discard the worn feed roller.
3. Install the new feed roller: align the pins with the open slots and fit the roller into position. Be sure the gears and brackets are aligned and the roller snaps into place.



4. Reinstall the feed roller cover by positioning it around the paper present sensor, aligning the bottom edge of the cover with the scanner, and pushing it back into position until it snaps into place.



Supplies and Consumables

Customer Replaceable Parts and Accessories

For a full list of scanner cleaning supplies, consumables, accessories, and maintenance guidelines; refer to the support page for your scanner (below) and click on “Supplies:”

www.KodakAlaris.com/go/N2000support

Contact your scanner supplier to order supplies.

Updates

The drivers and internal firmware for your scanner can be updated by you. Find the latest driver and scanner firmware downloads here:

www.KodakAlaris.com/N2000support

On your scanner screen, use the scanner **Settings > Information** display to see your scanner firmware version. Go to the **About** screen in the TWAIN driver to find the driver version installed on your computer. More recent versions normally contain problem fixes and may also have feature enhancements.

Contacting Technical Support

Visit www.KodakAlaris.com/go/contactus to obtain the most current phone number for your country.

When calling, please have the following information ready:

- A description of your problem.
- The scanner model and serial number.
- Computer configuration.
- Scanning application you are using.

Appendix A Regulatory Information

Notes

Untranslated information in this section only applies to customers in those regions.
The KODAK N2040/N2050 Scanners are for business/commercial use.

Environmental information

- The KODAK Scanners are designed to meet worldwide environmental requirements.
- Guidelines are available for the disposal of consumable items that are replaced during maintenance or service; follow local regulations or contact Kodak Alaris locally for more information.
- Disposal of this equipment may be regulated due to environmental considerations. For disposal or recycling information, contact your local authorities or, in the USA, visit: <https://corporate.kodakalaris.com/About-Us/Environment,-Health-and-Safety/EHS-CDR-Waste-Management>.
- The product packaging is recyclable.
- The KODAK N2000 Scanners are Energy Star compliant and are shipped from the factory with the default time set to 15 minutes.
- The KODAK N2040 and N2050 Scanners are for business/commercial use.

European Union



This symbol indicates that when the last user wishes to discard this product, it must be sent to appropriate facilities for recovery and recycling. Please contact your local Kodak Alaris representative or refer to <https://corporate.kodakalaris.com/About-Us/Environment,-Health-and-Safety> for additional information on the collection and recovery programs available for this product.

Please consult <https://corporate.kodakalaris.com/About-Us/Environment,-Health-and-Safety> for information about the presence of substances included on the candidate list according to article 59(1) of Regulation (EC) No. 1907/2006 (REACH).

Specifications

SPECIFICATION	N2040	N2050
Throughput Speeds	40 ppm / 80 ipm	50 ppm / 100 ipm
Feeder Capacity	Up to 100 sheets of 80 g/m ² (20 lb.) paper	Up to 100 sheets of 80 g/m ² (20 lb.) paper
Connectivity	10/100/1000 ETHERNET	10/100/1000 ETHERNET
Maximum Document Size	Width (x-direction): Maximum 8.5in Length (y-direction): Maximum 14.0in	Width (x-direction): Maximum 8.5in Length (y-direction): Maximum 14.0in
Minimum Document Size	Width (x-direction): Minimum 52 mm (2.05")(A8-portrait) Length (y-direction): Minimum 52 mm (2.05")(A8-landscape)	Width (x-direction): Minimum 52 mm (2.05")(A8-portrait) Length (y-direction): Minimum 52 mm (2.05")(A8-landscape)
Paper Thickness & Weight	34 - 413 gsm (9-110 lb) Rice paper/NCR paper "Hard" Cards (up to 1.2mm, embossed and non-embossed) [TIGER-29] Custom Sleeve - not flagged as a multifeed	34 - 413 gsm (9-110 lb) Rice paper/NCR paper "Hard" Cards (up to 1.2mm, embossed and non-embossed) [TIGER-29] Custom Sleeve - not flagged as a multifeed
Accessories & Consumables	A4 Flatbed Integrated Accessory Passport Flatbed Integrated Accessory	A4 Flatbed Integrated Accessory Passport Flatbed Integrated Accessory
Acoustical Noise	Idle: <20 dB(A) Scanning: Sound pressure level <= 50. dB (A) Scanning: Sound power level <= 63.5 dB (A)	Idle: <20 dB(A) Scanning: Sound pressure level <= 50. dB (A) Scanning: Sound power level <= 63.5 dB (A)
Approvals and Product Certifications	Argentina (S-Mark - required on EPS and AC plug/cords....not required on 24VDC scanners) Australia/New Zealand (RCM) Canada (cTUVus & ICES-003) China (CCC) European Union (CE) European Union (GS Mark) India (BIS) Japan (VCCI) Mexico (NOM) South Korea (KC) Taiwan (BSMI) United Kingdom (UKCA) US (cTUVus & FCC)	Argentina (S-Mark - required on EPS and AC plug/cords....not required on 24VDC scanners) Australia/New Zealand (RCM) Canada (cTUVus & ICES-003) China (CCC) European Union (CE) European Union (GS Mark) India (BIS) Japan (VCCI) Mexico (NOM) South Korea (KC) Taiwan (BSMI) United Kingdom (UKCA) US (cTUVus & FCC)
Barcode Reading	Interleaved 2 of 5 Code 3 of 9 Code 128 UPC-A UPC-E EAN-13 EAN-8 PDF417 Codabar QR (User Selectable, one or more)	Interleaved 2 of 5 Code 3 of 9 Code 128 UPC-A UPC-E EAN-13 EAN-8 PDF417 Codabar QR (User Selectable, one or more)
Data Security	This scanner processes scanned data exclusively through volatile memory ensuring image data is effectively erased upon shut down.	This scanner processes scanned data exclusively through volatile memory ensuring image data is effectively erased upon shut down.
Dimensions & Weight	Product Dimensions: Depth: 218 mm (without input tray) Depth: 276 mm (with input tray) Width: 307 mm Height: 183 mm (without input tray) Height: 233 mm (with input tray) Product Weight: Between 3.2kg - 5.5kg (7-12 lbs.)	Product Dimensions: Depth: 218 mm (without input tray) Depth: 276 mm (with input tray) Width: 307 mm Height: 183 mm (without input tray) Height: 233 mm (with input tray) Product Weight: Between 3.2kg - 5.5kg (7-12 lbs.)
Electrical Requirements	Input 100-240VAC, 50/60Hz. 1.0A Max	Input 100-240VAC, 50/60Hz. 1.0A Max
Environmental Certification	Energy Star Qualified Eco-Design criteria (previously EPEAT Gold criteria)	Energy Star Qualified Eco-Design criteria (previously EPEAT Gold criteria)

File Format Outputs (from scanner and software)	From Scanner: TIFF JPEG With Supporting Software Applications: Single and multi-page TIFF JPEG RTF BMP PDF Searchable PDF TXT PNG CSV Word Excel PPTX	From Scanner: TIFF JPEG With Supporting Software Applications: Single and multi-page TIFF JPEG RTF BMP PDF Searchable PDF TXT PNG CSV Word Excel PPTX
Image Output Resolution Options (DPI)	75,100,150,200,240,250,260,300,400,500,600,1200 dpi	75,100,150,200,240,250,260,300,400,500,600,1200 dpi
Network Protocols	DHCP (or static IP) TCP/IP	DHCP (or static IP) TCP/IP
Operating System Compatibility	Windows 10 32-bit & 64-bit Windows 11 64-bit Windows Server 2012 R2 X64 Editions Windows Server 2016 X64 Editions Windows Server 2019 X64 Editions Windows Server 2022 X64 Editions Open SUSE 11.3 (i586) 32-bit Open SUSE LEAP 15.1 64-bit SUSE Linux Enterprise Desktop 12.2 64-bit SUSE Linux Enterprise Desktop 15 SPS for 64-bit Ubuntu 16.04 64-bit and 32-bit Ubuntu 18.04 64-bit Ubuntu 20.04 64-bit	Windows 10 32-bit & 64-bit Windows 11 64-bit Windows Server 2012 R2 X64 Editions Windows Server 2016 X64 Editions Windows Server 2019 X64 Editions Windows Server 2022 X64 Editions Open SUSE 11.3 (i586) 32-bit Open SUSE LEAP 15.1 64-bit SUSE Linux Enterprise Desktop 12.2 64-bit SUSE Linux Enterprise Desktop 15 SPS for 64-bit Ubuntu 16.04 64-bit and 32-bit Ubuntu 18.04 64-bit Ubuntu 20.04 64-bit
Operating Temperature / Operating Humidity	Operating Temperatures: 50 degrees F - -95 degrees F (10C - 35C) Operating Humidity: 15% to 80%	Operating Temperatures: 50 degrees F - -95 degrees F (10C - 35C) Operating Humidity: 15% to 80%
Operator Control Panel	Color Touchscreen with active area of 3.5" diagonal with operator control buttons	Color Touchscreen with active area of 3.5" diagonal with operator control buttons
Paper Path Options	Documents will be straight-through.	Documents will be straight-through.
Paper Handling (SurePath) Features	Interactive multifeed with image display on host Length Multifeed Detection Ultrasonic Multifeed Technology	Interactive multifeed with image display on host Length Multifeed Detection Ultrasonic Multifeed Technology

Perfect Page Image Enhancement Software	Adaptive threshold processing Add or remove border Aggressive cropping Auto white balance Autocrop Automatic Automatic Brightness/Contrast Automatic color balance Automatic color detection Automatic orientation Automatic photo cropping Background color smoothing Barcode reading Black and white image segmentation Brightness and contrast adjustment Content-based blank page removal Deskew Digital stamping Dual stream scanning Electronic color dropout Enhanced color adjustment Enhanced color management Fixed cropping Fixed thresholding Halftone removal Image edge fill Image hole fill Image merge Image split iThresholding Lone Pixel Noise Removal Long document scanning (up to 3000mm/118in). Majority rule noise removal Multicolor dropout Multiple document output Orthogonal rotation Output Compression-CCITT Group IV, JPEG, Uncompressed Output Relative cropping Sharpening Sleeve scanning (for scanning A3 documents or multiple small documents) Streak filtering	Adaptive threshold processing Add or remove border Aggressive cropping Auto white balance Autocrop Automatic Automatic Brightness/Contrast Automatic color balance Automatic color detection Automatic orientation Automatic photo cropping Background color smoothing Barcode reading Black and white image segmentation Brightness and contrast adjustment Content-based blank page removal Deskew Digital stamping Dual stream scanning Electronic color dropout Enhanced color adjustment Enhanced color management Fixed cropping Fixed thresholding Halftone removal Image edge fill Image hole fill Image merge Image split iThresholding Lone Pixel Noise Removal Long document scanning (up to 3000mm/118in). Majority rule noise removal Multicolor dropout Multiple document output Orthogonal rotation Output Compression-CCITT Group IV, JPEG, Uncompressed Output Relative cropping Sharpening Sleeve scanning (for scanning A3 documents or multiple small documents) Streak filtering
Power Consumption	Power: 115 V / 60 HZ, 230 V / 50 HZ, and 100 V / 50 HZ Operating: Less than 36 watts Sleep mode: less than 3.2 watts Standby Mode: Does not exceed 0.50W Networked Standby: Does not exceed 2.00W Off Mode: Does not exceed 0.30W	Power: 115 V / 60 HZ, 230 V / 50 HZ, and 100 V / 50 HZ Operating: Less than 36 watts Sleep mode: less than 3.2 watts Standby Mode: Does not exceed 0.50W Networked Standby: Does not exceed 2.00W Off Mode: Does not exceed 0.30W
Recommended Daily Volume	Average Customer: 2,000/day Advertised Duty Cycle: Not to exceed 5,000-12,000/day	Average Customer: 2,000/day Advertised Duty Cycle: Not to exceed 5,000-12,000/day
Recommended PC Configuration	Intel Core i5 Gen 12 - 2.5GHz 8 GB	Intel Core i5 Gen 12 - 2.5GHz 8 GB
Scanning Technology	Dual LED (RGB) Illumination CIS; Greyscale output bit depth is 256 levels (8-bit) Color output bit depth is 24 bits (8 x 3) Color capture bit depth is 48 bits (16 x 3)	Dual LED (RGB) Illumination CIS; Greyscale output bit depth is 256 levels (8-bit) Color output bit depth is 24 bits (8 x 3) Color capture bit depth is 48 bits (16 x 3)
Standard Software And Drivers	TWAIN WIA Linux	TWAIN WIA Linux

Product Disclosure Table – KODAK N2040/N2050 Scanners

有毒有害物质或元素名称及含量标识表

Table of hazardous substances' name and concentration

部件名称 Component name	有毒有害物质或元素 hazardous substances' name									
	铅 (Pb) 0.1%	汞 (Hg) 0.1%	镉 (Cd) 0.01%	六价铬 (Cr6+) 0.1%	多溴联苯 (PBB) 0.1%	多溴二苯醚 (PBDE) 0.1%	邻苯二甲酸二 丁酯 (DBP) 0.1%	邻苯二甲 酸苯丁酯 (BBP) 0.1%	邻苯二甲酸二 (2-乙基己基)酯 (BEHP) 0.1%	邻苯二甲酸二 异丁酯 (DIBP) 0.1%
适配器 (AC Adapter)	X	O	O	O	O	O	O	O	O	O
电路板 Circuit Board	X	O	O	O	O	O	O	O	O	O

O: 该有毒有害物质在该部件所有均质材料中的含量均在 GB 26572-2025规定的限量要求以下。

X: 该有毒有害物质至少在该部件的某一均质材料中的含量超出 GB 26572-2025 规定的限量要求。

O: indicates hazardous substance concentration lower than MCV

X: indicates hazardous substance concentration higher than MCV

环保使用期限 (EFUP)

在中国大陆，该值表示电子信息产品中含有的有毒有害物质或元素在正常使用的条件下不会发生外泄或突变，用户使用此产品不会对环境造成严重污染或对人身、财产造成严重损害的期限（以年计）。

该值根据操作说明中所规定的产品正常使用条件而定

Environment-Friendly Use Period (EFUP)

In mainland China, this number indicates the time period (calculated by year) within which any hazardous substances present in the product are not expected to be released such that there is risk to human health, property, or the environment.

This value is assigned based on normal use of the product as described in the operating instructions.

EMC Statements for N2040/N2050 Series Scanners:

미 기기는 가정용으로 전자파적합등록을 한 기기로서 주거지역에서는 물론 모든 지역에서 사용할 수 있습니다.

Notice to users in the United States: This device corresponds with Part 15 of the FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for the compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules

Notice to users in Japan: This is a Class B equipment. Although this equipment is intended for use in a residential environment, it could cause poor reception if used near a radio or television receiver. Please follow instructions in the instruction manual.

この装置は、クラスB機器です。この装置は、住宅環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。

取扱説明書に従って正しい取り扱いをして下さい。

VCCI - B

