



Advanced Document Processing

- Large, 300-page Automatic Document Feeder
- Advanced hardware image processing increases productivity

Less Scanning / Increased Productivity

- Auto Preview simplifies complex scanner settings
- Auto Rescan replaces unwanted images with a single click
- Notification Function automatically detects problems with scanned images

Panasonic Unique Technologies

- Automatic Glass Cleaning
- Hardware Image Processing
- Auto Preview / Auto Rescan

80 ppm / 160 ipm

(A4, Landscape, 200/300 dpi)



Quick, Accurate, Smart. Ideal for Large-Volume Text-to-Data Conversion.

The fast 80-ppm* scanning and 300-page Automatic Document Feeder are ideal for both large-volume scanning and dispersed input. ToughFeed, Panasonic's unique paper feed mechanism also helps to minimise damage to important documents and ensures more precise feeding. And three labor-saving functions boost work efficiency by letting the user easily obtain optimal images.

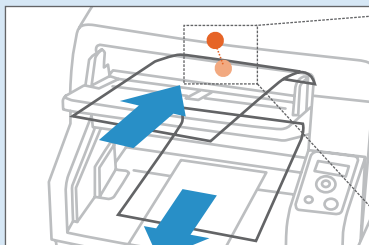
* A4, Landscape, 200/300 dpi, Binary/Colour.



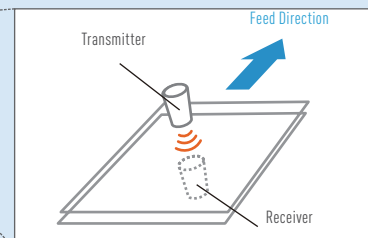
Innovative Paper Feed Mechanism

Ultrasonic Double-Feed Detection Accurate Scanning

The KV-S5046H is equipped with an ultrasonic sensor, which accurately detects double-feeding even when scanning documents of various thicknesses. When detected, the ultrasonic sensor prevents double-feeding by immediately stopping the scanning process.



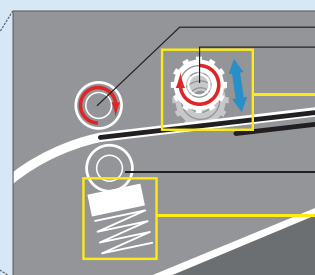
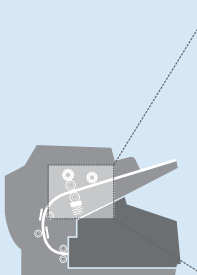
The sensor detects double-feeding and stops the scanner immediately.



The high-performance sensor catches even subtle changes.

Superior Roller Mechanisms Precise Feeding

The paper feed rollers separate from the paper each time a sheet is fed, so the tendency to double-feed caused by the paper feed roller pressure is reduced, even when feeding paper of different thicknesses. Any paper sliding is also detected and the double feed prevention roller pressure is adjusted to prevent the paper from slipping and jamming.



Separation Roller
Paper Feed Roller

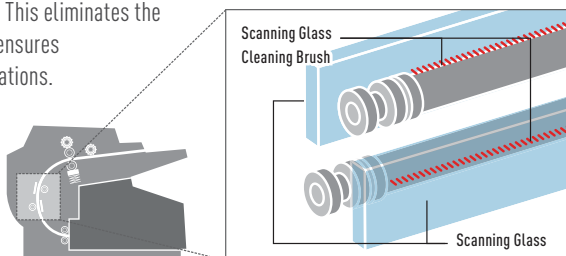
The paper feed roller separates from the paper each time a sheet is fed.

Double Feed Prevention Roller

When paper sliding is detected, the double feed prevention roller pressure is increased.

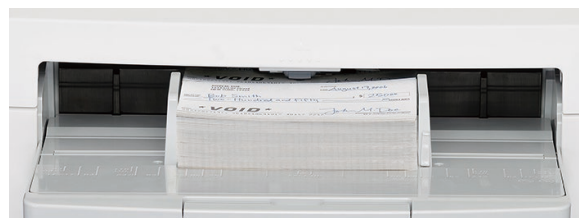
Scanning Glass Cleaning Brush

The brush directly cleans the scanning glass to further prevent paper dust. This eliminates the need for maintenance and ensures comfortable scanning operations.



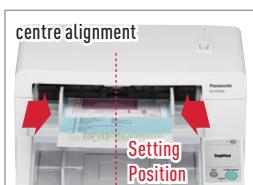
High-Volume ADF

The ADF (Automatic Document Feeder) holds up to 300 sheets of paper to allow continuous scanning of large document runs.



Mixed Document Feeding

Documents with different sizes and thicknesses can all be fed together. They can be set in centre, left, or right alignment. By using left or right single-side alignment, there is no more need to spend time organising documents according to their size, so scanning is fast and easy.



Long Paper Mode

The highly reliable paper feed mechanism quickly and stably scans long documents. This function boosts work efficiency by smoothly scanning long documents like continuous business forms or electrocardiograms.



Three Labor-Saving Functions for Better Work Efficiency

Auto Preview

- No More Need for Troublesome Scan Settings

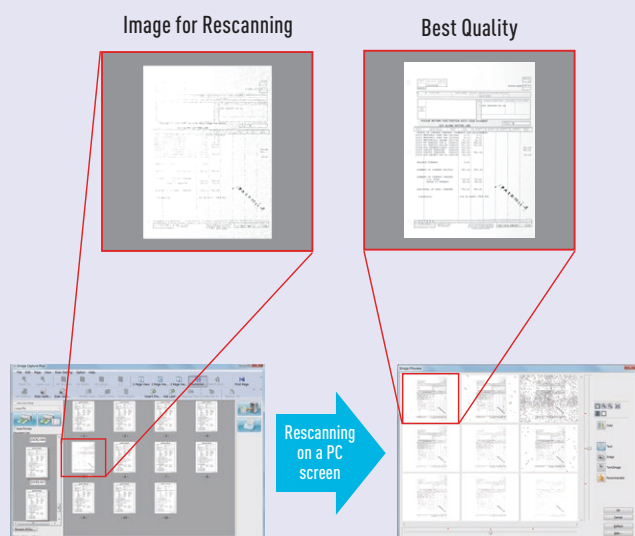
Auto Preview automatically adjusts scanned data, produces nine candidate types, and shows them in a list format. The user can select the most suitable image with a single click, and make further adjustments if desired. This eliminates the time and trouble of trial-and error operation, and quickly and easily produces electronic documents that are clearly legible and uniform.



Auto Rescan

- Efficient Rescanning of Various Originals

When the scanned image is poor, using Auto Rescan, you can adjust the image on a PC screen without rescanning the original document. This saves both time and trouble.



Notification Functions

- Detection of troublesome problem

Images use four notification functions to save work. Icons for all four are displayed on-screen for speedy confirmation and additional setting.

Binary / Colour Notification



When the amount of coloured space is close to the Automatic Binary / Colour Distinction judgment value.

Binary Image Notification



When there is another recommended setting.

Blank Image Notification



When the amount of blank space is close to the Blank Page Removal judgment value.

Unique Page Notification

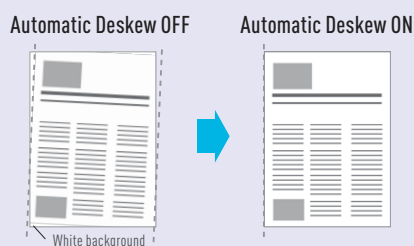


When mixed with different kinds of documents.

Beautiful Results Every Time with Automatic Background and Edge Adjustment

Automatic Deskew

Because cropping and deskewing are possible even with a white background, thin documents through which black backgrounds are visible can be deskewed as white backgrounds.



Border Removal

You can achieve a natural scanning in a variety of document by adding the Border Removal function. This feature has the following three function.

By Surrounding Colour



By White Colour



By Background Colour



Specifications

Model No.			KV-SS046H
Scanning Face			Duplex
Scanning Method			Front side: CIS (600 dpi) Back side: CIS (600 dpi) Selectable black and white background reference
Scanning Speed *1	Binary / Colour A4 size (Landscape) 200 / 300 dpi	Simplex	Up to 80 ppm
		Duplex	Up to 160 ipm
	Binary / Colour A4 size (Portrait) 200 / 300 dpi	Simplex	Up to 65 ppm
		Duplex	Up to 130 ipm
Resolution			100 – 600 dpi (1 dpi step), Optical: 600 dpi (Main and Sub feeding directions)
Detection			Double feed detection, Jam detection, Slip detection, Dog ear detection
Compression			JPEG (colour, grayscale), MH, MMR (Software ICP)
Tonal Gradation			Binary, Grayscale (8 bit), Colour, MultiStream : Binary & Grayscale, Binary & Colour
Binary Mode Halftone			Dither, Error diffusion
Image Control			Auto preview, Auto rescan, Image emphasis, Dynamic threshold, Invert, White level from paper
Other Functions			Length control, Barcode detection (ISIS), Patch code detection, Control sheet, Long paper mode
Maximum Image Size			307 x 2,540 mm (12.09 x 100 in.)
Documents *2	Size	Minimum	48 × 70 mm (1.9 × 2.75 in.)
		Maximum	297 × 432 mm (11.7 × 17 in.)
	Thickness		0.04 - 0.2 mm (1.6 - 7.9 mils) Note: 1 mil = 0.001 in.
		Weight	20 - 157 g/m² (5 - 42 lbs.)
Feed Tray Capacity			300 sheets: A6 to A3 size 80 g/m² (21lbs.) new paper 150 sheets: less than 100 mm length paper 80 g/m² (21lbs.) new paper
Image Memory			256MB
Supported Operating System			Windows® XP SP3 (32bit), Windows Vista® SP2, Windows® 7, Windows® 8 (32bit/64bit) Windows Server® 2003 SP2, Windows Server® 2003 R2 SP2, Windows Server® 2008 SP2 (32bit/64bit) Windows Server® 2008 R2 SP1, Windows Server® 2012 (64bit)
Interface			USB3.0 interface (If the scanner is connected to a USB hub, it is not guaranteed to work.)
CPU			Core 2 Duo 1.8GHz Memory 1GB USB2.0 or Higher Core i5 3.1GHz Memory 2GB USB3.0 (for Auto rescan/Auto preview)
Power Requirement			100V : 100-127V, 50/60Hz, 1.5A 200V : 220-240V, 50/60Hz, 0.8A 90 W or less / 1.5 A (100-120 V)
Power Consumption	Scanning		90 W or less / 1.5 A (100-120 V)
	Ready		30 W or less
	Sleep		1.2 W or less
	Power OFF		0.3 W or less
Operating Environment	Temperature		10 - 35 °C (50 - 95 °F)
	Humidity		20 - 80 % RH
Storage Environment	Temperature		0 - 40 °C (32 - 104 °F)
	Humidity		10 - 80 % RH
External Dimensions *3 (W x D x H)			468 x 444 x 344 mm (18.5 x 17.5 x 13.5 in.)
Weight *3			17 kg (37.5 lbs.)
Accessories			CD-ROM: Operating Manual, Image Capture Plus application software, Device driver, ISIS® driver software TWAIN driver software, User utility software, Control sheet Quick Installation Guide, Power cord, Roller cleaning paper, USB cable, Shading paper, Exit support sheet
Options	Roller exchange kit		KV-SS060 (Paper feed roller module, Double feed prevention roller)
	Roller cleaning paper		KV-SS03
	Imprinter unit (Pre)		KV-SS014
	Ink cartridge		KV-SS021
	Flatbed scanner		KV-SS081*4

*1 The scanning speed differs depending on the host computer, the operating system, the application, the measuring method, the quantity of data in the image, and the paper type. The scanning speed depends on a measuring method of Panasonic.

*2 "Weight in pounds" of paper represents the weight of 500 sheets (432 x 559 mm / 17 x 22 in.). Scan quality cannot be guaranteed for documents with a non-standard size.

*3 Dimensions and weights are approximate.

*4 Availability of the model may differ depending on the country.

Dimensions



As an ENERGY STAR® partner, Panasonic has determined that this product meets the ENERGY STAR guidelines for energy efficiency.



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This product is designed to reduce hazardous chemical substances in accordance with the RoHS directive.

Roller cleaning paper KV-SS03



Ink cartridge KV-SS021



Imprinter unit (Pre) KV-SS014



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Document Scanner: <http://panasonic.net/pcc/products/scanner/>