

**Panasonic**

# PANASONIC DOCUMENT SCANNER HANDY GUIDE



# INTRODUCTION

Faced with increasingly severe market conditions, we focused our efforts on finding ways to determine the kind of business scanner that today's market demands, by providing the strongest assistance to businesses in the age of IT. The result was an entirely new concept that works hand-in-hand with today's business tools, in a new and expanded Panasonic business scanner product line.





## CONTENTS

### Panasonic Advantages

|  |   |
|--|---|
| Panasonic Is a Leading Electronic Manufacturer | 4 |
| Market Forecast                                | 6 |
| Why the Industry Requires Scanners             | 7 |
| What Features Are Needed in Document Scanners? | 8 |
| The Answer Is Panasonic Premium Quality        | 9 |

### Product Information

|   |    |
|---|----|
| Panasonic Colour Scanner Range by Segment | 10 |
| KV-S4085CW/CL, KV-S4065CW/CL              | 12 |
| KV-S5076H, KV-S5046H                      | 14 |
| KV-S5055C                                 | 16 |
| KV-S7075C                                 | 18 |
| KV-S1065C, KV-S1046C                      | 20 |
| KV-S1026C, KV-S1015C                      | 22 |
| KV-SS081                                  | 24 |

### Features and Software

|                            |    |
|----------------------------|----|
| Toughfeed                  | 26 |
| Main Features              | 28 |
| Image Processing Functions | 38 |

### Others

|                         |    |
|-------------------------|----|
| FAQ                     | 46 |
| Choose by Application   | 52 |
| Choose by Business Type | 54 |
| Options and Consumables | 60 |
| Notes                   | 62 |



# Panasonic is a Leading Electronics Manufacturer

## 1 Panasonic is globally recognised for quality

As a comprehensive electronics manufacturer, Panasonic has earned global brand recognition. People equate Panasonic with quality in both consumer and professional products.



## 2 Over 30 years in imaging and communications

Panasonic has accumulated knowledge for more than 30 years in imaging and communications products such as copy machines, fax machines, telephones and PBX systems. We have also developed extensive communication technologies for new infrastructure applications, and key devices for imaging processes.



3

## No. 2 manufacturer worldwide for patent applications

Entire processes are integrated, from the development of materials to the development of parts, units and systems.

|                  |             |
|------------------|-------------|
| Company A        | 3906        |
| <b>Panasonic</b> | <b>2951</b> |
| Company B        | 2001        |
| Company C        |             |
| Company D        |             |
| Company F        |             |

Panasonic holds the No.2 rank for patent applications in the World. As of 2012 Data (WIPO)



4

## Low environmental impact is part of the performance

Even when compared with PCs and other office products, there is widespread concern about the power consumed by scanners because they operate for long periods of time. Panasonic scanners meet the standards of the International Energy Star Program, which testifies to their low power consumption and resource-saving and recycling capabilities.



5

## Universal Design simplifies operation for all

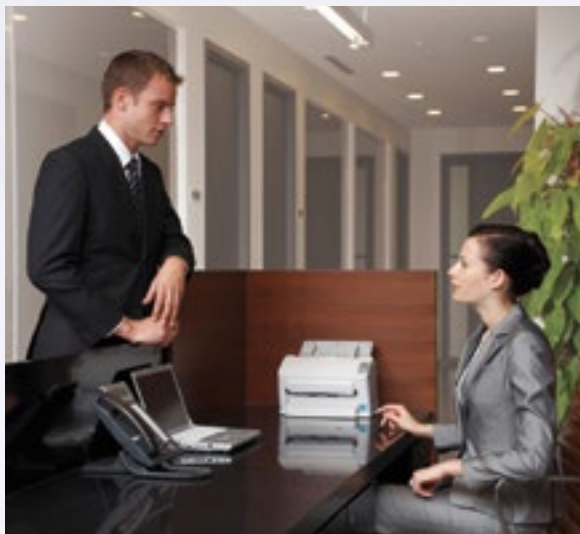
The use of Universal Design principles makes it easy for anybody, including beginners and elderly users, to use even complicated functions. From its own, unique viewpoint, Panasonic has thoroughly pursued the goal of easy use.



**Universal  
Design**

# Market Forecast

Demand for document scanners is showing a growing trend centring on workgroups. Higher sales can be expected in this area as a future growth market, when backed by new product development and sales promotion activities.



# Why the Industry Requires Scanners

## Text-Based Information in the Market

- Creating electronic data files from paper documents (such as bills and statements)
- Scanned paper documents and faxes
- Documents that are important for business consideration
- Documents that have been output from PCs
- Articles from newspapers
- Articles from magazines
- Documents from meetings and other literature and similar kinds of paper-based information



Using content from this kind of text-based information can be complicated if it is not similarly managed and archived.

A large amount of office work time is spent searching for information.



## Electronic Data

- Audio data
- Motion image data
- Internet data...

## ECM (Enterprise Content Management) of Businesses

This refers to the lifecycle management of all content, from the time it is generated until it is disposed of.

Centralised management by converting information into electronic data.

### Text-Based Information

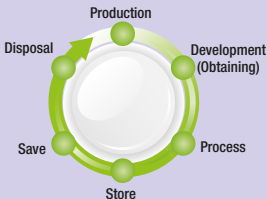
Electronic data

Video data

Recorded data

Input ► Manage ► Output

## The Lifecycle Management of Text-Based Information



In order to accurately manage the lifecycle of each type of content among the vast amount of text-based information of each business, and to provide management that allows easy access when necessary...

**Electronic Data Conversion with Business Scanners Is Essential**



# What Features Are Needed in Document Scanners?

Users want their document scanners to raise the efficiency of their work. This calls for a number of features, including high-scanning speed, easy operation, and energy-saving efficiency.



Quality

## High Productivity

- High speed
- High-scanning precision
- Enhanced functions
- Malfunction resistance

## User Friendliness

- Easy operation by anyone
- Complete software
- Easy maintenance

## Eco Friendly

- Economical with minimal waste
- Gentle on the earth's environment
- A long life

# The Answer Is Panasonic Premium Quality

Panasonic Premium Quality is the key to fulfilling the aspects that are required in document scanners. Recognised around the world for quality, Panasonic employs its advanced technical expertise to achieve three main elements: Universal Design, Unique Technology, and Ecology. These elements maximise the efficiency of office work.

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## Universal Design

Easy to understand and use, by anyone, anywhere.

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## Unique Technology

Multifunctional design, convenience, and quality are better than the competition.

---

## Ecology

Gentle on the environment.

---

Universal  
Design

Unique  
Technology

Ecology



# Panasonic Colour Scanner Range

## A4 Scanners



**KV-S4085CL**



**KV-S4065CL**



**KV-S1015C**

**KV-S1026C**

**KV-S1046C**

**KV-S1065**

# by Segment

## A3 Scanners



**KV-S4085CW**

**Mid-volume**



**KV-S4065CW**



**KV-S7075C**

**Low-volume**



**KV-S5076H**



**KV-S5055C**



**KV-S5046H**

**Departmental**

**Workgroup**

**Optional A4 Flatbed Scanner**  
**KV-SS081**



# KV-S4085CW/CL / KV-S4065CW/CL

## Scanning Speed

■ **100 ppm / 200 ipm**  
(KV-S4085CW/S4085CL)

■ **80 ppm / 160 ipm**  
(KV-S4065CW/S4065CL)

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

## Maximum Paper Size

■ **A3** (KV-S4085CW/S4065CW)  
**A4** (KV-S4085CL/S4065CL)

## Paper Volume

■ **300-sheet** ADF

\*Business Card to A3 size

## Main Features

- High Speed Full Colour Scanning
- Duplex Scanning
- Mixed Document Feeding
- Long Paper Mode
- Curved Paper Path and Straight Paper Path
- Easy Maintenance
- Double-Feed Prevention Roller System
- Auto Erasure Security
- Pre/Post-Imprinter
- Thin Paper Scanning
- Background Colour Switching
- Single-Sided Document Alignment



mm (inch)

## Specifications

|   |           |   | KV-S4085CW/CL   |                      | KV-S4065CW/CL                          |                      |
|---|-----------|---|---|----------------------|--|----------------------|
| Scanning Face                                 |           |   | Duplex scanning   |                      |  |                      |
| Scanning Method                               |           |   | Hybrid CIS  |                      |  |                      |
| Scanning Resolution                           |           |   | 100 to 600 dpi (1 dpi step)   |                      |  |                      |
|   |           |   | Simplex   | Duplex               | Simplex                                | Duplex               |
| Binary Speed <sup>*1</sup><br>200 dpi/300 dpi | Landscape | A4  | 100 ppm <sup>2</sup>  | 200 ipm <sup>2</sup> | 80 ppm <sup>3</sup>                    | 160 ipm <sup>3</sup> |
|   | Portrait  | A4  | 80 ppm  | 160 ipm              | 60 ppm                                 | 120 ipm              |
| Colour Speed <sup>*1</sup><br>200 dpi/300 dpi | Landscape | A4  | 100 ppm <sup>2</sup>  | 200 ipm <sup>2</sup> | 80 ppm <sup>3</sup>                    | 160 ipm <sup>3</sup> |
|   | Portrait  | A4  | 80 ppm  | 160 ipm              | 60 ppm                                 | 120 ipm              |
| Feed Tray Capacity                            |           |   | Up to 300 sheets (64 g/m <sup>2</sup> , 17 lbs.)  |                      |  |                      |
| Other Functions                               |           |   | • Control sheet • Patch code detection (Type 2, 3, T) [ISIS]<br>• Double feed detection (KV-S4085CW/CL: 3 positions, KV-S4065CW/CL: 1 position)<br>• Length control • Barcode detection (ISIS)                              |                      |  |                      |
| Image Output                                  |           |   | MultiStream (bitonal & colour, bitonal & greyscale), Binary mode, Greyscale mode, Colour mode   |                      |  |                      |
| Tonal Gradation (Bitonal mode)                |           |   | Dither, Error diffusion, Greyscale (8 bit), Binary  |                      |  |                      |
| Image Compression                             |           |   | JPEG for colour and greyscale   |                      |  |                      |
| Page Size <sup>*4</sup>                       | Minimum   | 48 x 70 mm (1.9 x 2.75 in.)<br>In manual feed or thick paper modes: 48 x 100 mm (1.9 x 3.9 in.) |   |                      |  |                      |
|   | Maximum   | 297 x 432 mm (11.7 x 17 in.)  |   |                      |  |                      |
| Max. Scanning Page Size                       |           |   | KV-S4085CL/KV-S4065CL: 227 x 2,540 mm (8.9 x 100 in.)<br>KV-S4085CW/KV-S4065CW: 302 x 2,540 mm (11.9 x 100 in.)   |                      |  |                      |
| Paper Thickness<br>Note: 1 mil = 1/1000 in.   |           |   | 0.04 to 0.2 mm (1.9 to 7.9 mils)<br>Straight path: max. 0.6 mm (23.6 mils)  |                      |  |                      |
| Paper Weight <sup>*5</sup>                    |           |   | Thin mode: 20 to 50 g/m <sup>2</sup> (5 to 13 lbs.) Normal mode: 50 to 157 g/m <sup>2</sup> (13 to 42 lbs.)<br>Thick mode: 157 to 209 g/m <sup>2</sup> (42 to 56 lbs.) Auto mode: 20 to 157 g/m <sup>2</sup> (5 to 42 lbs.) |                      |  |                      |
| Interface                                     |           |   | USB 2.0   |                      |  |                      |
| General                                       |           |   |   |                      |  |                      |
| Dimensions (W x D x H)                        |           |   | 474 x 585 x 329 mm (18.7 x 23.0 x 13.0 in.)   |                      |  |                      |
| Weight  |           |   | 25 kg (55 lbs.)   |                      |  |                      |
| Power Requirement                             |           |   | AC 100-240 V, 50/60 Hz  |                      |  |                      |
| Power Consumption                             | Scanning  | 1.5 A (100-120 V)<br>0.7 A (220-240 V)  |   |                      | 1.4 A (100-120 V)<br>0.6 A (220-240 V) |                      |
|   | Ready     | 0.7 A (100-120 V)<br>0.4 A (220-240 V)  |   |                      |  |                      |
|   | Sleep     | 2.0 W or less (100-120 V, 220-240 V)  |   |                      |  |                      |
|   | Standby   | 0.5 W or less (100-120 V, 220-240 V)  |   |                      |  |                      |
| Operating Environment                         |           |   | 10-35 °C (50-95 °F), 20-80 % RH   |                      |  |                      |
| Storage Environment                           |           |   | 0-40 °C (32-104 °F), 10-80 % RH   |                      |  |                      |

\*1 The scanning speed depends on the test environment. The scanning speed may differ depending on the host computer, operating environment, or application.

\*2 Only for the KV-S4085CW. \*3 Only for the KV-S4065CW.

\*4 The scanning size depends on the memory installed in the scanner.

\*5 "Weight in pounds" of paper represents the weight of 500 sheets (432 x 559 mm /17 x 22 in.).

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• All product names are trademarks or registered trademarks of their respective holders.

• Specifications are subject to change without notice.

• Dimensions and weights are approximate.

# KV-S5076H / KV-S5046H

## Scanning Speed

■ **100 ppm / 200 ipm**  
(KV-S5076H)

■ **80 ppm / 160 ipm**  
(KV-S5046H)

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

## Maximum Paper Size

■ A3

## Paper Volume

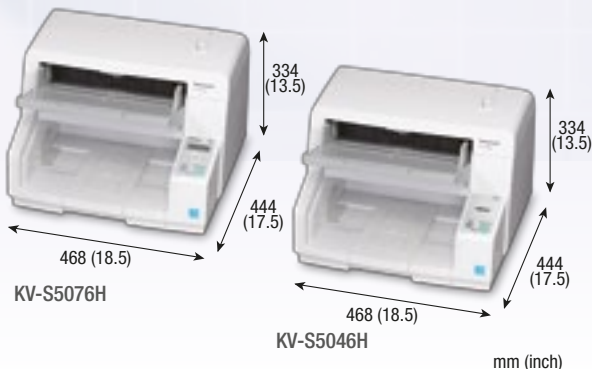
■ **300-sheet ADF**

\*Business Card to A3 size

## Main Features

- High Speed Full Colour Scanning
- Duplex Scanning
- Mechanical De-skew\*
- Paper Ejection Control\*
- Automatic Glass Cleaning/Self Cleaning Ionizer\*
- One Touch Scanning (up to 100 destinations)\*
- Hardware Image Processing
- Auto Preview / Auto Rescan
- Mixed Document Feeding
- Easy Maintenance
- Double-Feed Prevention Roller System
- Auto Erasure Security
- Pre-Imprinter

\* KV-S5076H Only



## Specifications

|   |             |    | KV-S5076H  |         | KV-S5046H |         |
|---|-------------|----|--|---------|-----------|---------|
| Scanning Face                                 |             |    | Duplex scanning  |         |           |         |
| Scanning Method                               |             |    | Colour CIS   |         |           |         |
| Scanning Resolution                           |             |    | 100 to 600 dpi (1 dpi step)  |         |           |         |
|   |             |    | Simplex  | Duplex  | Simplex   | Duplex  |
| Binary Speed <sup>*1</sup><br>200 dpi/300 dpi | Landscape   | A4 | 100 ppm  | 200 ipm | 80 ppm    | 160 ipm |
|   | Portrait    | A4 | 80 ppm   | 160 ipm | 65 ppm    | 130 ipm |
| Colour Speed <sup>*1</sup><br>200 dpi/300 dpi | Landscape   | A4 | 100 ppm  | 200 ipm | 80 ppm    | 160 ipm |
|   | Portrait    | A4 | 80 ppm   | 160 ipm | 65 ppm    | 130 ipm |
| Feed Tray Capacity                            |             |    | Up to 300 sheets (80 g/m <sup>2</sup> , 21 lbs.)   |         |           |         |
| Other Functions                               |             |    | Length control, Barcode detection (ISIS), Patch code detection, Control sheet, Long paper mode |         |           |         |
| Image Output                                  |             |    | Auto preview, Auto rescan, Image emphasis, Dynamic threshold, Invert, White level from paper   |         |           |         |
| Tonal Gradation (Bitonal mode)                |             |    | Dither, Error diffusion, Greyscale (8 bit), Binary   |         |           |         |
| Image Compression                             |             |    | Binary, Grayscale (8 bit), Colour, MultiStream : Binary & Grayscale, Binary & Colour           |         |           |         |
| Page Size <sup>*2</sup>                       | Minimum     |    | 48 x 70 mm (1.9 x 2.75 in.)  |         |           |         |
|   | Maximum     |    | 297 x 432 mm (11.7 x 17 in.)   |         |           |         |
| Max. Scanning Page Size                       |             |    | 307 x 2,540 mm (12.09 x 100 in.)   |         |           |         |
| Paper Thickness<br>Note: 1 mil = 1/1000 in.   |             |    | 0.04 to 0.2 mm (1.9 to 7.9 mils)   |         |           |         |
| Paper Weight <sup>*3</sup>                    |             |    | 20 to 157 g/m <sup>2</sup> (5 to 42 lbs.)  |         |           |         |
| Interface                                     |             |    | USB 3.0  |         |           |         |
| General                                       |             |    |  |         |           |         |
| Dimensions (W x D x H)                        |             |    | 468 x 444 x 344 mm (18.5 x 17.5 x 13.5 in.)  |         |           |         |
| Weight  |             |    | 17 kg (37.5 lbs.)  |         |           |         |
| Power Requirement                             |             |    | 100 V: 100-127 V, 50/60 Hz, 1.5 A<br>200 V: 220-240 V, 50/60 Hz, 0.8 A                         |         |           |         |
| 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   |         |           |         |

\*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 The scanning size depends on the memory installed in the scanner.

\*3 "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.

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- Specifications are subject to change without notice.
- Dimensions and weights are approximate.

# KV-S5055C

## Scanning Speed

■ **90 ppm / 180 ipm**

\*A4, Landscape, 200 dpi,  
Binary/Colour

## Maximum Paper Size

■ **A3**

## Paper Volume

■ **200-sheet ADF**

\*Business Card to A3 size

## Main Features

- High Speed Full Colour Scanning
- Duplex Scanning
- Mixed Document Feeding
- Long Paper Mode
- Self Cleaning Functions
- Easy Maintenance
- Double-Feed Prevention Roller System
- Auto Erasure Security
- Pre-Imprinter
- Thin Paper Scanning
- Background Colour Switching
- Single-Sided Document Alignment
- Double Feed Skip (DFS) Function



mm (inch)

## Specifications

|  |           |    | KV-S5055C  |         |
|--|-----------|----|--|---------|
| Scanning Face                                |           |    | Duplex scanning  |         |
| Scanning Method                              |           |    | 3-line colour CCD  |         |
| Scanning Resolution                          |           |    | 100 to 600dpi (1 dpi step)   |         |
|  |           |    | Simplex  | Duplex  |
| Binary/Colour Speed <sup>*1</sup><br>200 dpi | Landscape | A4 | 90 ppm   | 180 ipm |
|  | Portrait  | A4 | 70 ppm   | 140 ipm |
| Binary/Colour Speed <sup>*1</sup><br>300 dpi | Landscape | A4 | 60 ppm   | 120 ipm |
|  | Portrait  | A4 | 50 ppm   | 100 ipm |
| Feed Tray Capacity                           |           |    | Up to 200 sheets (75 g/m <sup>2</sup> , 20 lbs.)   |         |
| Other Functions                              |           |    | • Control sheet • Patch code detection (Type 2, 3, T) [ISIS]<br>• Double feed detection (1 position)<br>• Pre Imprinter Capability (Option)<br>• Length control • Barcode detection (ISIS) |         |
| Image Output                                 |           |    | MultiStream (bitonal & colour, bitonal & greyscale),<br>Binary mode, Greyscale mode, Colour mode   |         |
| Tonal Gradation (Bitonal mode)               |           |    | Dither, Error diffusion, Greyscale (8 bit), Binary   |         |
| Image Compression                            |           |    | JPEG for colour and greyscale  |         |
| Paper Size <sup>*2</sup>                     | Minimum   |    | 48 x 70 mm (1.9 x 2.75 in.)  |         |
|  | Maximum   |    | 297 x 432 mm (11.7 x 17 in.)   |         |
| Max. Scanning Page Size                      |           |    | 305 x 2,540 mm<br>(12.01 x 100 in.)  |         |
| Paper Thickness<br>Note: 1 mil = 1/1000 in.  |           |    | 0.04-0.2 mm (1.6 to 7.9 mils)  |         |
| Paper Weight <sup>*3</sup>                   |           |    | 20-157 g/m <sup>2</sup> (5-42 lbs.)  |         |
| Interface                                    |           |    | USB 2.0  |         |
| General                                      |           |    |  |         |
| Dimensions (W x D x H)                       |           |    | 468 x 444 x 339 mm (18.5 x 17.5 x 13.4 in.)  |         |
| Weight                                       |           |    | 18 kg (40 lbs.)  |         |
| Power Requirement                            |           |    | AC 100-120 V, 50/60 Hz<br>AC 100-240 V, 50/60 Hz   |         |
| Power Consumption                            | Scanning  |    | 1.0 A (AC 100-120 V)<br>0.5 A (AC 220-240 V)   |         |
|  |           |    | 0.4 A (AC 100-120 V)<br>0.2 A (AC 220-240 V)   |         |
|  | Standby   |    | 1.4 W or less (100-120 V, 220-240 V)   |         |
|  |           |    | 0.5 W or less (100-120 V, 220-240 V)   |         |
| Operating Environment                        |           |    | 10-35 °C (50-95 °F), 20-80 % RH  |         |
| Storage Environment                          |           |    | 0 to 40 °C (32-104 °F), 10-80 % RH   |         |

\*1 The scanning speed depends on the test environment. The scanning speed may differ depending on the host computer, operating environment, or application.

\*2 The scanning size depends on the memory installed in the scanner.

\*3 "Weight in pounds" of paper represents the weight of 500 sheets (432 x 559 mm /17 x 22 in.).

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# KV-S7075C

## Scanning Speed

■ **95 ppm / 190 ipm**

\*A4, Landscape, 200 dpi,  
Binary/Colour

## Maximum Paper Size

■ **A3**

## Paper Volume

■ **Flatbed / 200-sheet ADF**

\*Business Card to A3 size

## Main Features

- High Speed Full Colour Scanning
- ADF/Flatbed Scanning
- Multi-Crop
- Duplex Scanning
- Mixed Document Feeding
- Single-Sided Document Alignment
- Long Paper Mode
- Easy Maintenance
- Double-Feed Prevention Roller System
- Auto Erasure Security
- Pre-Imprinter
- Background Colour Switching



mm (inch)

## Specifications

|   |           |                 | KV-S7075C  |         |
|---|-----------|-----------------|--|---------|
| Scanning Type                               |           |                 | A3 Flatbed+ADF   |         |
| Scanning Face                               |           |                 | Duplex scanning  |         |
| Scanning Method                             |           |                 | Hybrid CIS   |         |
| Scanning Resolution                         |           |                 | 100 to 600 dpi (1dpi step) (B/W and Colour) (Optical 600 dpi)  |         |
| Flatbed Scanning Speed                      |           |                 | 0.704 s (Letter, 200dpi), 320μ sec/line  |         |
|   |           |                 | Simplex  | Duplex  |
| Binary Speed <sup>1</sup><br>200 dpi        | Landscape | A4              | 95 ppm   | 190 ipm |
|   | Portrait  | A4              | 75 ppm   | 150 ipm |
| Colour Speed <sup>1</sup><br>200 dpi        | Landscape | A4              | 95 ppm   | 190 ipm |
|   | Portrait  | A4              | 75 ppm   | 150 ipm |
| Hopper Capacity                             |           |                 | Up to 200 sheets (64 g/m <sup>2</sup> , 17 lbs.)   |         |
| Other Functions                             |           |                 | <ul style="list-style-type: none"><li>• Control sheet</li><li>• Patch code detection (Type 2, 3, T) [ISIS]</li><li>• Double feed detection (Ultrasonic method)</li><li>• Pre Imprinter capability (Option)</li></ul> |         |
| Image output                                |           |                 | Binary mode, Greyscale mode (8 bit), colour (24 bit), MultiStream output   |         |
| Tonal Gradation (Bitonal mode)              |           |                 | Dither, Error diffusion, Greyscale (8 bit), Binary   |         |
| Image Compression                           |           |                 | JPEG (Greyscale/Colour)  |         |
| Paper Size                                  |           | Minimum         | ADF 48 x 70 mm (1.9 x 2.75 in.)  |         |
|   |           | Maximum         | ADF 302 x 2540 mm (11.9 x 100 in.)<br>Flatbed Max. 297 x 432 mm (11.7 x 17 in.)  |         |
| Paper Thickness<br>Note: 1 mil = 1/1000 in. |           | Single Feed     | 0.05 to 0.15 mm (2.0 to 5.9 mils)  |         |
|   |           | Continuous Feed | 0.05 to 0.15 mm (2.0 to 5.9 mils)  |         |
| Paper Weight <sup>2</sup>                   |           | Single Feed     | 40 to 127 g/m <sup>2</sup> (11 to 34 lbs.)   |         |
|   |           | Continuous Feed | 40 to 127 g/m <sup>2</sup> (11 to 34 lbs.)   |         |
|   |           | Business Card   | Thicker than 127 g/m <sup>2</sup> (34 lbs.)  |         |
| Interface                                   |           |                 | USB 2.0  |         |
| General                                     |           |                 |  |         |
| Dimensions (W x D x H)                      |           |                 | 755 x 508 x 289 mm (29.7 x 20 x 11.4 in.)  |         |
| Weight                                      |           |                 | 29 kg (64 lbs.)  |         |
| Power Requirement                           |           |                 | AC 100-120 V, 50/60 Hz<br>AC 220-240 V, 50/60 Hz   |         |
| Power Consumption                           |           | Scanning        | 1.2 A (AC 100-120 V)   |         |
|   |           |                 | 0.6 A (AC 220-240 V)   |         |
|   |           | Ready           | 0.6 A (AC 100-120 V)   |         |
|   |           |                 | 0.3 A (AC 220-240 V)   |         |
|   |           | Sleep           | 1.4 W or less (100-120 V, 220-240 V)   |         |
|   |           | Standby         | 0.5 W or less (100-120 V, 220-240 V)   |         |
| Operating Environment                       |           |                 | 10-35 °C (50-95 °F), 30-80 % RH  |         |
| Storage Environment                         |           |                 | 0-40 °C (32-104 °F), 10-80 % RH  |         |

\*1 The scanning speed differs depending on the host computer, operating system, application, image data amount, and paper type.

\*2 "Weight in pounds" of paper represents the weight of 500 sheets (432 x 559 mm / 17 x 22 in.)

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- Specifications are subject to change without notice.
- Dimensions and weights are approximate.

# KV-S1065C / KV-S1046C

## Scanning Speed

- **60 ppm / 120 ipm**  
(KV-S1065C)
- **45 ppm / 90 ipm**  
(KV-S1046C)

\*A4, portrait, 200 dpi, Binary/Colour

## Maximum Paper Size

- **A4**

## Paper Volume

- **75-sheet ADF**

\*Business Card to A4 size

## Main Features

- High Speed Full Color Scanning
- Duplex Scanning
- Double-Feed Prevention
- Double-Feed Skip Function
- Dog-Ear Detection
- Hardware Image Processing
- Auto Preview / Auto Rescan
- Automatic brightness adjustment
- Mixed Document Feeding (Align the document pages along the centre)
- Embossed Card Scanning
- Long Paper Mode
- Easy Maintenance
- Active Double-Feed Prevention Roller System
- Auto Erasure Security
- Space-Saving Installation



## Specifications

|   |                    |         | KV-S1065C  | KV-S1046C |
|---|--------------------|---------|--|-----------|
| Scanning Face                               |                    |         | Duplex scanning  |           |
| Scanning Method                             |                    |         | Colour CIS (600 dpi) / Background: Black   |           |
| Scanning Resolution                         |                    |         | 100 – 600 dpi (1 dpi step)<br>Optical: 300 dpi / 600 dpi (Automatic switch)  |           |
| Binary Speed <sup>*1</sup><br>200 dpi       | A4                 | Simplex | 60 ppm   | 45 ppm    |
|   |                    | Duplex  | 120 ipm  | 90 ipm    |
| Colour Speed <sup>*1</sup><br>200 dpi       | A4                 | Simplex | 60 ppm   | 45 ppm    |
|   |                    | Duplex  | 120 ipm  | 90 ipm    |
| Feed Tray Capacity                          |                    |         | Up to 75 sheets (80 g/m <sup>2</sup> , 20 lbs), 3 hard cards (ISO 7810 ID-1)   |           |
| Automatic Detection                         |                    |         | Ultrasonic double-feed detection (1 position), Dog-ear detection   |           |
| Image Control                               |                    |         | Automatic Brightness Adjustment, Automatic Image Emphasis, Multi Color Drop Out, Dynamic Threshold, White Level From Paper, Image Emphasis, Gamma Correction, Automatic Separation, Noise Reduction, Mirror Image, Monochrome Reversing and much more. |           |
| Other Functions                             |                    |         | Length Control, Patchcode Detection (Type 2, 3, T), Control Sheet, Long Paper Mode, Double Feed Skip, Dog-ear Skip   |           |
| Tonal Gradation                             |                    |         | Binary, Grayscale, Colour, MultiStream: Binary & Grayscale, Binary & Colour  |           |
| Binary Mode Halftone                        |                    |         | Dither, Error diffusion  |           |
| Image Compression                           |                    |         | JPEG for colour and greyscale  |           |
| Paper Size                                  | Minimum            |         | 48 x 70 mm (1.9 x 2.8 in.)   |           |
|   | Maximum            |         | 216 x 2540 mm (8.5 x 100 in.)  |           |
| Card Size                                   |                    |         | 85.6 x 54 mm (3.4 x 2.1 in.) (ISO 7810 ID-1)   |           |
| Paper Thickness<br>Note: 1 mil = 1/1000 in. | Paper              |         | 0.04-0.2 mm (1.6-7.9 mils)   |           |
|   | Card               |         | 0.76 mm (0.03 in.)   |           |
| Paper Weight                                |                    |         | 20-209 g/m <sup>2</sup> (5.4-55 lbs.)  |           |
| Interface                                   |                    |         | USB 2.0  |           |
| General                                     |                    |         |  |           |
| Dimensions (W x D x H)                      |                    |         | 317 x 209 x 196 mm (12.5 x 8.2 x 7.7 in.)<br>(When the exit tray is closed and without the feed tray)  |           |
| Weight                                      |                    |         | 4.0 kg (8.8 lbs.)  |           |
| Power Requirement                           |                    |         | AC 100-240 V<br>50/60 Hz   |           |
| Power Consumption                           | Maximum (Scanning) |         | 25 W   |           |
|   | Minimum (Standby)  |         | 8 W  |           |
|   | Sleep mode         |         | 1.0 W or less  |           |
|   | Power key OFF      |         | 0.3 W or less (While the AC adaptor is connected to the AC outlet)   |           |
| Operating Environment                       |                    |         | 10-35 °C (50-95 °F), 20-80 % RH  |           |
| Storage Environment                         |                    |         | 0-40 °C (32-104 °F), 10-80 % RH  |           |

\*1 The scanning speed depends on the test environment. The scanning speed may differ depending on the host computer, operating environment, or application.

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# KV-S1026C / KV-S1015C

## Scanning Speed

■ **30 ppm / 60 ipm**<sup>\*1</sup>  
(KV-S1026C)

■ **20 ppm / 40 ipm**<sup>\*2</sup>  
(KV-S1015C)

<sup>\*1</sup> A4, portrait, 200 dpi, Binary

<sup>\*2</sup> A4, portrait, 200 dpi, Binary/Colour

## Maximum Paper Size

■ **A4**

## Paper Volume

■ **50-sheet ADF**

\*Business Card to A4 size

## Main Features

- High Speed Full Colour Scanning
- Duplex Scanning
- Double-Feed Prevention
- Mixed Document Feeding (Align the document pages along the centre)
- Embossed Card Scanning
- Active Double-Feed Prevention Roller System
- Auto Erasure Security
- Space-Saving Installation



mm (inch)

## Specifications

|   |                    |                                | KV-S1026C   | KV-S1015C |
|---|--------------------|--------------------------------|---|-----------|
| Scanning Face                               |                    |                                | Duplex scanning   |           |
| Scanning Method                             |                    |                                | Colour CIS (600 dpi) / Background: Black  |           |
| Scanning Resolution                         |                    |                                | 100 – 600 dpi (1 dpi step)<br>Optical: 300 dpi / 600 dpi (Automatic switch)   |           |
| Binary Speed <sup>*1</sup><br>200 dpi       | A4                 | Simplex                        | 30 ppm  | 20 ppm    |
|   |                    | Duplex                         | 60 ipm  | 40 ipm    |
| Colour Speed <sup>*1</sup><br>200 dpi       | A4                 | Simplex                        | 20 ppm  | 20 ppm    |
|   |                    | Duplex                         | 40 ipm  | 40 ipm    |
| Automatic Document Feeder                   |                    |                                | Up to 50 sheets (80 g/m <sup>2</sup> , 20 lbs), 3 hard cards (ISO 7810 ID-1)  |           |
| Automatic Detection                         |                    |                                | Ultrasonic double-feed detection (1 position)   |           |
| Image Control                               |                    |                                | Automatic Binary/Colour Distinction, Multi Colour Drop Out, Blank Page Removal, Double Exposure, Smooth Background, Automatic Cropping, De-skewing, Dynamic Threshold, White Level From Paper, Image Emphasis (5 steps), Gamma Correction, Automatic Separation, Noise Reduction, Shadow Removal, Mirror Image, Monochrome Reversing, 2-Page Separation and much more |           |
| Other Functions                             |                    |                                | Zone OCR (a function of the Image Capture Plus software that adds characters from the document to the output file name), Separation sheet, Single Touch Scan, Skip key  |           |
| Tonal Gradation                             |                    |                                | Binary, Grayscale, Colour, MultiStream: Binary & Grayscale, Binary & Colour   |           |
| Binary Mode Halftone                        |                    |                                | Dither, Error diffusion   |           |
| Image Compression                           |                    |                                | JPEG for colour and greyscale   |           |
| Paper Size                                  | Minimum            | 48 x 70 mm (1.9 x 2.8 in.)     |   |           |
|   | Maximum            | 216 x 2,540 mm (8.5 x 100 in.) |   |           |
| Paper Thickness<br>Note: 1 mil = 1/1000 in. | Paper              | 0.04-0.2 mm (1.6-7.9 mils)     |   |           |
|   | Card               | 0.76 mm (0.03 in.)             |   |           |
| Paper Weight <sup>*2</sup>                  |                    |                                | 20-209 g/m <sup>2</sup> (5.4-55 lbs.)   |           |
| Interface                                   |                    |                                | USB 2.0   |           |
| General                                     |                    |                                |   |           |
| Dimensions (W x D x H)                      |                    |                                | 303 x 177 x 137 mm (11.9 x 7 x 5.4 in.)<br>(When the exit tray is closed and without the feed tray)   |           |
| Weight                                      |                    |                                | 2.7 kg (5.9 lbs.)   |           |
| Power Requirement                           |                    |                                | AC 100-120 V 50/60 Hz,<br>AC 200-240 V 50/60 Hz   |           |
| Power Consumption                           | Maximum (Scanning) |                                | 17 W  |           |
|   | Minimum (Standby)  |                                | 4.5 W   |           |
|   | Sleep              |                                | 1.6 W or less   |           |
|   | Power key OFF      |                                | 0.3 W or less   |           |
| Operating Environment                       |                    |                                | 10-35 °C (50-95 °F), 20-80 % RH   |           |
| Storage Environment                         |                    |                                | 0-40 °C (32-104 °F), 10-80 % RH   |           |

\*1 The scanning speed depends on the test environment. The scanning speed may differ depending on the host computer, operating environment, or application.

\*2 "Weight in pounds" of paper represents the weight of 500 sheets (432 x 559 mm / 17 x 22 in.)

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# KV-SS081 (Optional Flatbed Scanner)

## Scanning Speed

■ 3.0 sec

\*A4, 300 dpi, Binary/Colour

## Maximum Paper Size

■ A4

## Main Features

- Flatbed Scanning
- 2-Page Separation
- Multi-Crop



mm (inch)

## Specifications

|                        |           | KV-SS081   |
|------------------------|-----------|--|
| Scanning Type          |           | Flatbed  |
| Scanning Method        |           | CIS  |
| Scanning Resolution    |           | 100 dpi to 600 dpi (1 dpi step) (B/W and Colour) |
| Scanning Speed*        |           | 3 sec. (A4, 300 dpi) (B/W and Colour)            |
| Paper Size             |           | Maximum 216 x 297 mm (8.5 x 11.7 in.)            |
| Interface              |           | USB 2.0 (x 2)                                    |
| Power Requirement      |           | AC 100-240 V, 50/60 Hz                           |
| Power Consumption      | Scanning  | 8.0 W or less                                    |
|                        | Standby   | 2.0 W or less                                    |
|                        | Sleep     | 2.0 W or less                                    |
|                        | Power OFF | 0.5 W or less                                    |
| Operating Environment  |           | 10-35 °C (50-95 °F), 20-80 % RH                  |
| Storage Environment    |           | -10-50 °C (14-122 °F), 10-80 % RH                |
| Dimensions (W x D x H) |           | 410 x 309 x 54 mm (16.1 x 12.2 x 2.1 in.)        |
| Weight                 |           | 2.5 kg (5.5 lbs.)                                |

\* The scanning speed depends on the test environment. The scanning speed may differ depending on the host computer, operating environment, or application.

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### Applicable Models

KV-S4085CW/CL  
KV-S4065CW/CL



KV-S5076H  
KV-S5046H



KV-S5055C



KV-S1065C



KV-S1046C



KV-S1026C  
KV-S1015C



# ToughFeed

ToughFeed helps to prevent the unnecessary interruption of scanning work due to an equipment malfunction or double feeding that can otherwise result in un-scanned sheets, thus ensuring high work efficiency.

## Applicable Models

KV-S4085CW/CL, KV-S4065CW/CL, KV-S5076H, KV-S5046H, KV-S5055C

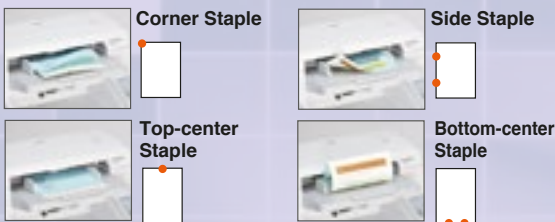
## Preventing damage to the scanning glass

### Stapled Document Detection

Multiple sensors are used to detect various types of stapled documents, and to immediately stop the scanner when stapling is detected. This minimizes damage to both the document and the optical glass.

\*Except for the KV-S5046H.

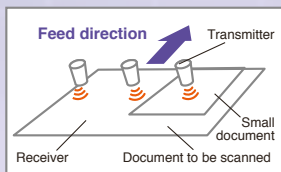
### Staple position example



## Accurate scanning

### Ultrasonic Double-Feed Detection

Ultrasonic sensors detect double feeds. The KV-S4085CW and KV-S4085CL are equipped with three ultrasonic sensors\* to cover a larger area of the document, rather than the centre only, for versatile detection of things like sticky notes or small documents mixed among regular-sized documents.



High-performance sensors catch even subtle changes.

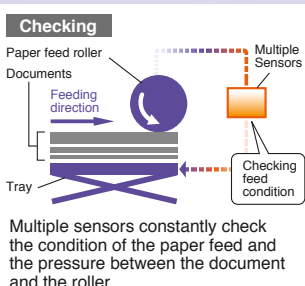
\*3 Sensors: KV-S4065CW/CL

\*1 Sensor: KV-S4065CW/CL, KV-S5076H, KV-S5046H and KV-S5055C

## Smooth feeding

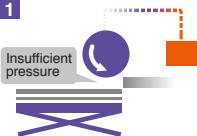
### Intelligent Feed Control\*

Multiple sensors check the paper feed condition and automatically adjust the roller pressure to ensure that documents of various thicknesses are accurately fed. This makes it more reliable and accurate than conventional methods that use only the feed mechanism.



#### Adjusting

1



The sensors detect when the paper feed is not correct due to insufficient pressure.

2



The tray is raised to adjust the pressure and accurately feed the document.

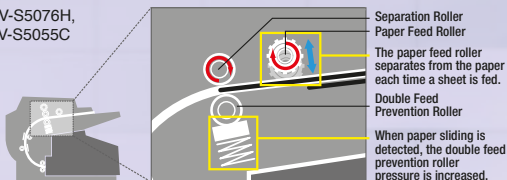
\*Only for the KV-S4085CW/CL, KV-S4065CW/CL

## Prevents scanning mis-feeds

### Superior Roller Mechanisms\*

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.

\*Only for the KV-S5076H, KV-S5046H, KV-S5055C



# Main Features

**Documents of different types  
are scanned one after another**

Unique Technology

## Mixed Document Feeding

Documents from business-card size all the way to A3\* with a variety of paper thicknesses can be fed at the same time – ideal for offices that handle a wide range of document types.

\*Maximum paper size varies depending on the models.

### Applicable Models\*

KV-S4085CW/CL, KV-S4065CW/CL,  
KV-S5076H, KV-S5046H,  
KV-S5055C, KV-S7075C



\*Separately movable left and right guides are provided.

**Even documents of unusually  
long sizes can be scanned**

Unique Technology

## Long Paper Mode

The highly reliable paper feed system lets you scan long size documents. This is ideal for scanning electrocardiograms (EKG) or other special documents. This single scanner handles a wide variety of applications.

### Applicable Models

KV-S4085CW/CL, KV-S4065CW/CL,  
KV-S5076H, KV-S5046H,  
KV-S5055C, KV-S7075C,  
KV-S1065C, KV-S1046C



## Excellent versatility

**Unique Technology**

### Curved Paper Path and Straight Paper Path

In addition to the ordinary curved path, a straight path ensures high reliability with thick or long paper. The possibilities for both usage and installation location are almost unlimited.

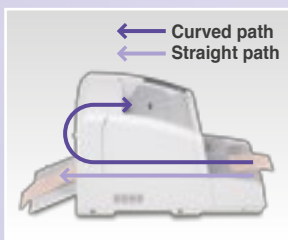
#### Applicable Models

##### Curved path

KV-S4085CW/CL, KV-S4065CW/CL,  
KV-S5076H, KV-S5046H, KV-S5055C,  
KV-S7075C

##### Straight path

KV-S4085CW/CL, KV-S4065CW/CL,  
KV-S1065C, KV-S1046C, KV-S1026C,  
KV-S1015C



## Maintenance costs and downtime is reduced

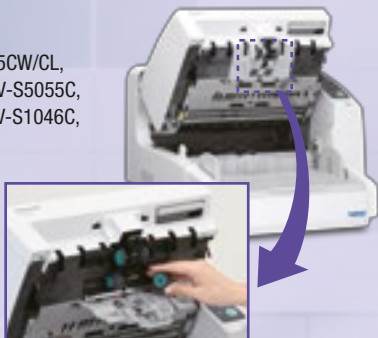
**Universal Design**

### Easy Maintenance

The design allows full, easy access to the entire paper path, so you can clear paper jams or clean the unit without calling a service centre. The rollers last a long time and are easy to replace when worn, also improving the unit's cost-effectiveness.

#### Applicable Models

KV-S4085CW/CL, KV-S4065CW/CL,  
KV-S5076H, KV-S5046H, KV-S5055C,  
KV-S7075C, KV-S1065C, KV-S1046C,  
KV-S1026C, KV-S1015C



# Main Features

## Prevent scanning mis-feeds

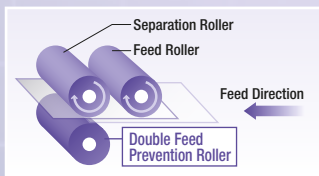
Unique Technology

### Double-Feed Prevention Roller System

This double-feed prevention roller system is used to ensure reliable scanning of large amounts of documents. It reduces double-sheet feeding by separating the documents from the second sheet onward.

#### Applicable Models

KV-S4085CW/CL, KV-S4065CW/CL,  
KV-S5076H, KV-S5046H,  
KV-S5055C, KV-S7075C



## Prevent scanning mis-feeds

### Active Double-Feed Prevention Roller System

The Active Double-Feed Prevention Roller reverses rotation the instant that the leading document leaves the paper feed section to prevent the double-feeding of documents that are stuck together.

#### Applicable Models

KV-S1065C, KV-S1046C, KV-S1026C, KV-S1015C

## Prevent the output order from changing

### Document Output Control

The output speed is automatically lowered for documents that are 148 mm or shorter, and the exit guides keep the document from slipping. This stops longer documents from sliding under shorter ones to prevent the output order from changing.

#### Applicable Models

KV-S1065C, KV-S1046C

## A high degree of safety

Unique Technology

### Auto Erasure Security

Scanned data is automatically erased from the scanner memory as soon as scanning is completed. This basically eliminates the danger of information leaks, and ensures the user of safe, secure scanning.



#### Applicable Models

KV-S4085CW/CL, KV-S4065CW/CL, KV-S5076H,  
KV-S5046H, KV-S5055C, KV-S7075C, KV-S1065C,  
KV-S1046C, KV-S1026C, KV-S1015C

## Raises filing efficiency

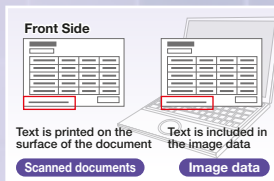
Unique Technology

### Pre / Post Imprinter

With the optional imprinter mounted, special characters such as “group A” can be printed onto documents. This helps to prevent pages from being missed when scanning, and raises filing reliability.

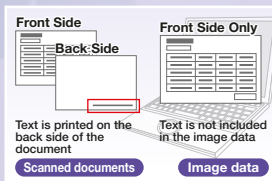
#### What's a pre-imprinter?

The pre-imprinter prints text on the surface of a document before its image is scanned, so the text data is included in the scanned image data.



#### What's a post-imprinter?

The post-imprinter prints text on the back side of a document as the image is being scanned, so the text data is not included in the image data.



#### Applicable Models

[ Pre/Post ] KV-S4085CW/CL, KV-S4065CW/CL

[ Pre ] KV-S5076H, KV-S5046H, KV-S5055C, KV-S7075C

# Main Features

## No more worries about scanning thin paper

Unique Technology

### Thin Paper Scanning

Now you can continuously scan documents that are as thin as 0.04 mm. That makes it easy to scan thin forms or vouchers. And it increases the number of situations where you can use scanning – without worrying about thin paper.

#### Applicable Models

KV-S4085CW/CL, KV-S4065CW/CL,  
KV-S5076H, KV-S5046H, KV-S5055C,  
KV-S1065C, KV-S1046C



\*When the KV-SS027 roller is mounted, it is possible to scan sheets up to a thickness of 0.05 mm.

## Prevent backside images from showing through

Unique Technology

### Background Colour Switching

Background colour can be switched to black or white. Black allows the de-skewing function to correct skewed data, and white prevents backside images from being visible when using thin paper, to ensure beautiful scanning quality.

#### Applicable Models

KV-S4085CW/CL, KV-S4065CW/CL, KV-S5076H,  
KV-S5046H, KV-S5055C, KV-S7075C



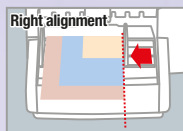
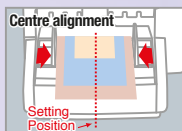
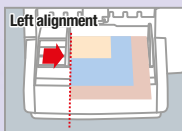
## Easy scanning of mixed size documents

Unique Technology

### Single-Sided Document Alignment\*

You can enjoy smooth scanning by aligning either the right side or the left side of the documents. This lets you simultaneously set various sizes of documents for scanning.

\*Effective scanning width varies depending on the models.



#### Applicable Models

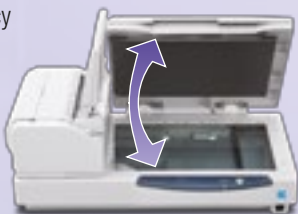
KV-S4085CW/CL, KV-S4065CW/CL, KV-S5076H,  
KV-S5046H, KV-S5055C, KV-S7075C

## For scanning books, drawings and other special documents

**Universal Design**

### Flatbed Scanning

Books, bound materials, large drawings and other documents that cannot be fed through the Auto Document Feeder (ADF) can be scanned with flatbed scanning. The scanner is also equipped with a Start button, so work efficiency can be increased by quickly scanning while turning the book's pages, with no PC operation necessary.

**Applicable Models**

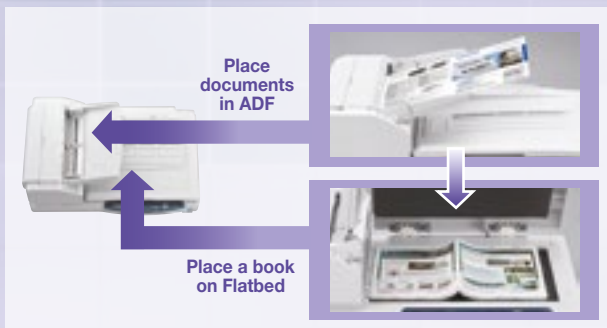
KV-S7075C, KV-SS081

## Hassle free consecutive scanning

**Unique Technology**

### ADF / Flatbed Scanning

Now you can consecutively scan ADF and flatbed documents in one simple operation, greatly improving work efficiency.

**Applicable Models**

KV-S7075C

# Main Features

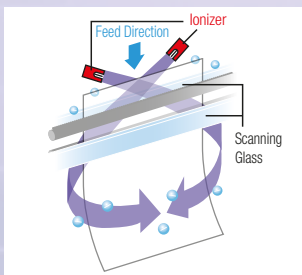
## Eliminates the need for maintenance

Unique Technology

### Self Cleaning Functions

#### Ionizer

The ion-filled breeze created by the ionizer neutralises the electrical charge on the documents to be scanned, and reduces the amount of paper dust that clings to their surface. This ion-filled breeze also flows through the paper path and removes paper dust from the scanning glass to reduce the need for the user to clean the glass.

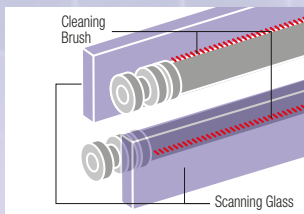


#### Applicable Models

KV-S5076H, KV-S5055C

#### 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.

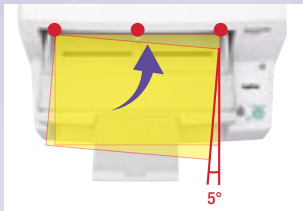


#### Applicable Models

KV-S5076H, KV-S5046H, KV-S5055C

### Mechanical De-Skew\*

Physical paper skewing is reduced by the integrated Mechanical De-Skew system. Even when skewed documents are fed into the scanner, the Mechanical De-Skew system physically adjusts the paper before the paper is scanned by the CIS (Contact Image Sensor).



\* There is a limit to the skewing correction. Skewing reduction is effective for documents that are skewed up to approximately 5 degrees.

#### Applicable Model

KV-S5076H

## Resume scanning even when double-feeding is detected

Unique Technology

### Double Feed Skip (DFS) Function

Double-feeding is detected by a highly reliable, ultrasonic sensor to prevent feeding problems. When scanning stops due to documents that include things like envelopes or that have sticky notes attached, simply press the Skip key to cancel the error and resume scanning.

#### Applicable Model

KV-S5055C



Documents for which scanning shouldn't be stopped even when double-feeding is detected



Envelopes



Documents with Sticky Notes Attached

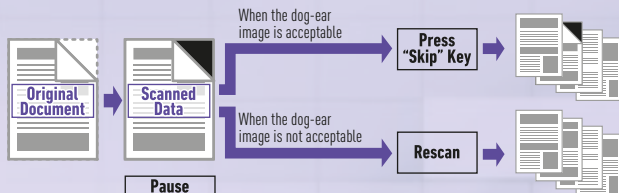
## Advanced Image Processing

### Missing Image Detection and Prevention

When a scanned image is missing due to an inadvertently folded corner (dog-ear) or a document that is extremely skewed, the Dog-Ear Detection function automatically and temporarily stops the scanning. The user can then decide to rescan, or to continue scanning as is.

#### Applicable Models

KV-S5076H, KV-S5046H, KV-S1065C, KV-S1046C



# Main Features

**The scanner can be installed just about anywhere**

Universal Design

## Space-Saving Installation

The retractable tray saves storage space when the scanner is not in use. Simply place the scanner on the counter and a desk, and use when needed. The space-saving design helps to achieve an efficient usage environment.



Applicable Models

KV-S1065C, KV-S1046C

**Reduces the time spent on pre-sorting**

Unique Technology

## Embossed Card Scanning

These scanners are designed to combine paper documents along with an embossed card, such as a driver's license, in a single batch. You can even scan a stack of hard cards, including embossed cards, continuously via the auto document feeder.



Applicable Models

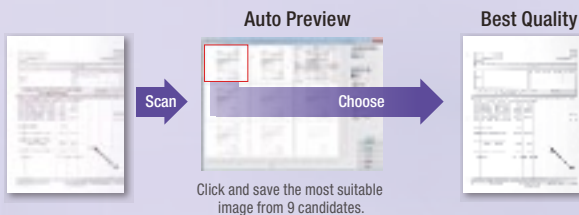
KV-S1065C, KV-S1046C,  
KV-S1026C, KV-S1015C



## No more need for troublesome scan settings

### Auto Preview

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.



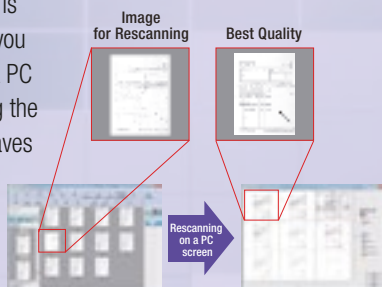
#### Applicable Models

KV-S5076H, KV-S5046H, KV-S1065C, KV-S1046C

## Efficient rescanning of various originals

### Auto Rescan

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.



#### Applicable Models

KV-S5076H, KV-S5046H,  
KV-S1065C, KV-S1046C

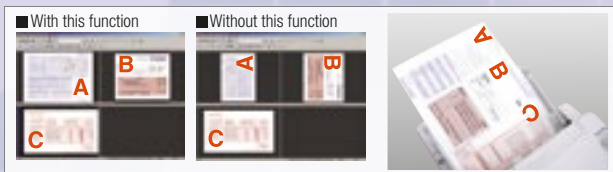
# Image Processing Functions

Panasonic high-speed scanners are bundled with Image Capture Plus software which includes a variety of image processing functions. This software application lets you efficiently create high-quality image files with simple PC operation.

## No more worries about the document's direction

### Automatic Image Orientation

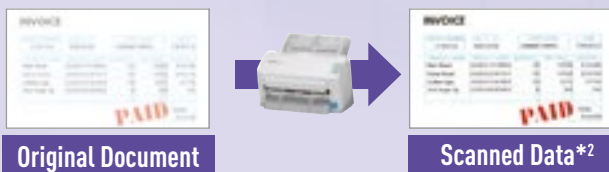
Even when documents are set in different directions, this function detects the direction of the scanned text in documents and automatically rotates it into the correct direction. This boosts work efficiency by eliminating the need to change the direction of each page in advance when scanning large quantities of documents with various sizes and directions.



## Images with suitable brightness

### Automatic Brightness Adjustment\*1

The Automatic Brightness Adjustment function automatically adjusts the brightness and contrast of scanned images, even on documents with varying paper colours and text hues, to produce scanned images with suitable brightness.



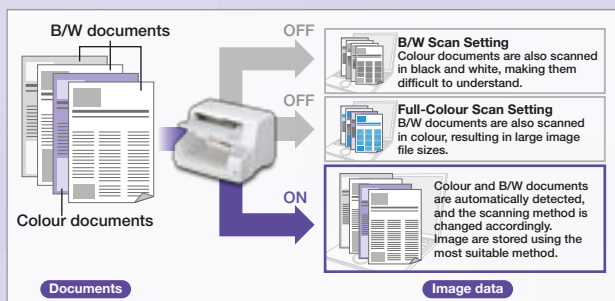
\*1 Only for KV-S1065C, KV-S1046C, KV-S5076H and KV-S5046H.

\*2 Combined with Background Removal.

## No more need to pre-sort documents

### Automatic Binary / Colour Distinction

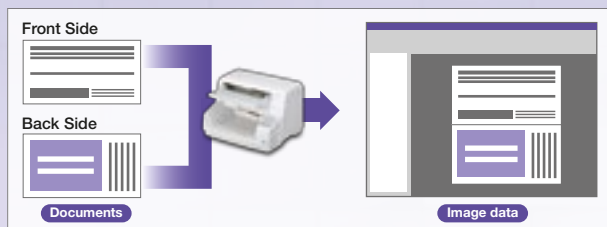
This function automatically detects when a set of documents contains some colour sheets and some monochrome (B/W) sheets. You can feed these together without sorting, and the machine will automatically compress the data efficiently according to whether a sheet is colour or monochrome (B/W), so the electronic file size is minimised. This is a feature typically found only on high-end scanners.



## Two-in-one convenience

### Double Exposure

Double Exposure automatically scans then saves two-sided documents into a single-page file. It is highly effective for documents printed on both sides, such as checks, stock certificates, post cards, and business cards.

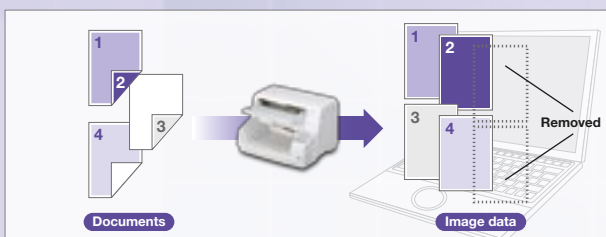


# Image Processing Functions

**You can convert only the desired pages into electronic form**

## Blank Page Removal

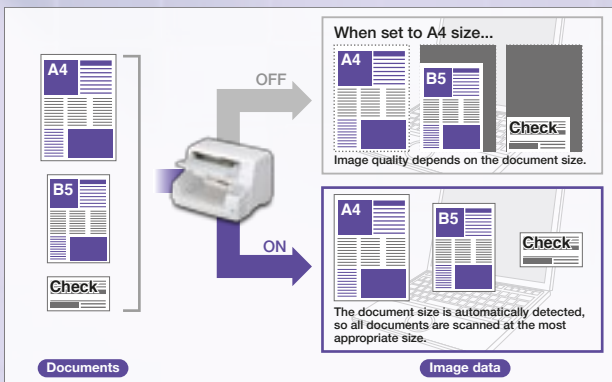
When scanning a set of documents that contains both single-sided and double-sided sheets, this function automatically skips over the blank sides. It saves you time and trouble by eliminating the need to sort the sheets beforehand or remove the blank data after scanning. It also helps reduce wasted memory space in your computer.



**No more scan mistakes or time-consuming trimming**

## Automatic Crop

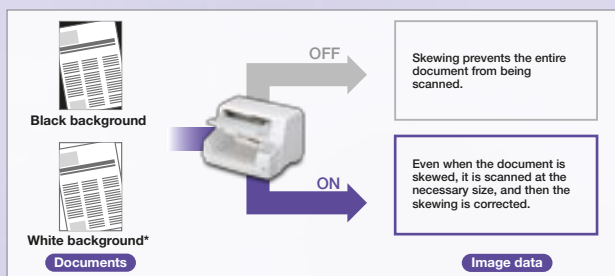
Different sized documents can be scanned each according to its own size. This raises work efficiency by preventing size setting mistakes and eliminating the need to later crop scans to the desired size.



## No need to make manual adjustments

### Automatic De-Skew

When scanning documents of different sizes, any that are accidentally scanned at an angle are automatically corrected by de-skewing. This also boosts work efficiency by eliminating the need to worry about skewed pages while scanning.

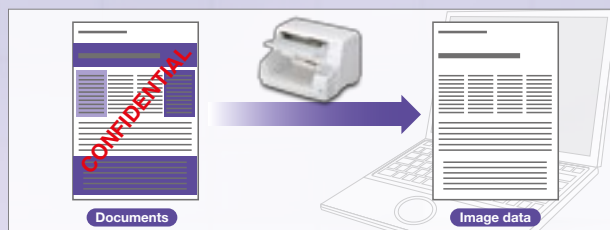


\* For KV-S5076H and KV-S5046H.

## Convenient for OCR processing

### Multi Colour Dropout

Any of up to three specific colour ranges on the document can be selected as a dropout colour. This function, when used in form processing applications, can greatly improve OCR performance and accuracy, resulting in increased productivity and potential cost savings.



# Image Processing Functions

## Excellent readability and accuracy

### Dynamic Threshold

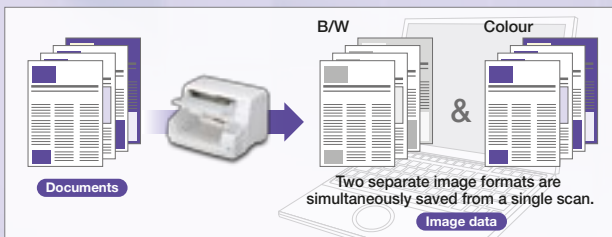
With the Dynamic Threshold function, the background density and colour are automatically detected section by section, and the scan setting (brightness control) is automatically adjusted to ensure sharp scanning of both text and images.



## Single pass for dual output

### Multi Stream

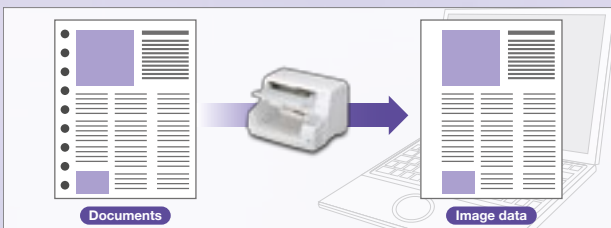
The Multi Stream function enables a single scan to be saved as two separate formats simultaneously. For example the document will be saved in monochrome (B/W) for OCR and archival purposes, and saved as a full colour image for short term on-screen retrieval.



## Punch holes from the document are removed from the image

### Hole Removal

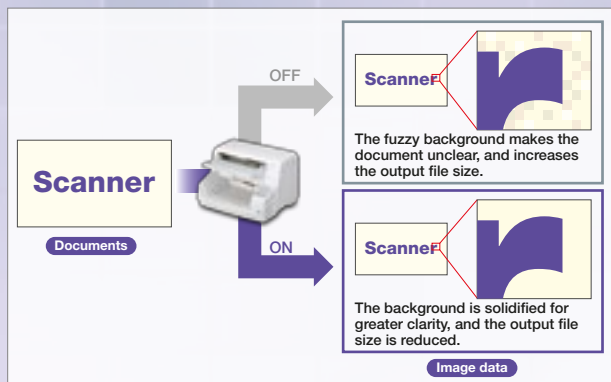
The Hole Removal function removes the punch hole marks from the scanned image. Round or square black shapes around the edges are replaced with the colour closest to the document. You don't have to cover them up with tape beforehand or use image editing after scanning.



## No more fuzzy backgrounds

### Smooth Background

The Smooth Background function analyses images while scanning for background colour content, and outputs the images with the background colour solidified. This increases viewing clarity and reduces JPEG output file size.



# Image Processing Functions

**Easily get the data you need from each page**

## 2-Page Separation

Use the flatbed to scan 2-page spreads from books, magazines, etc., and automatically divide the single image into two single sheets\*. Dividing scanned documents saves time and trouble because it makes complex editing operations unnecessary.

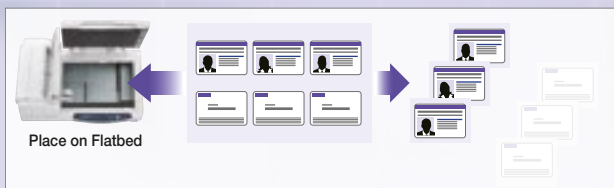
\* Divided lengthwise or crosswise. The length of the scanned document is divided in half. The division is not based on the content of the document.



**Save time by reducing the number of scans**

## Multi-Crop

Place various sized documents on the flatbed and scan them all at once, then crop whatever parts you need. This is convenient for scanning multiple business cards and thick documents.



**Easy to read characters and lines**

## The Automatic Image Emphasis\*

Emphasis function emphasises the edges of characters and lines to sharpen them and softens the appearance of other parts of the image. Noise (black spots) is also reduced.

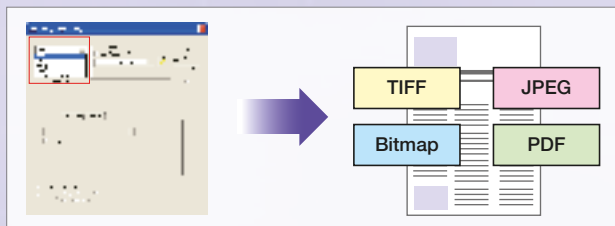
\* Only for KV-S1065C and KV-S1046C

## Easy Data Management

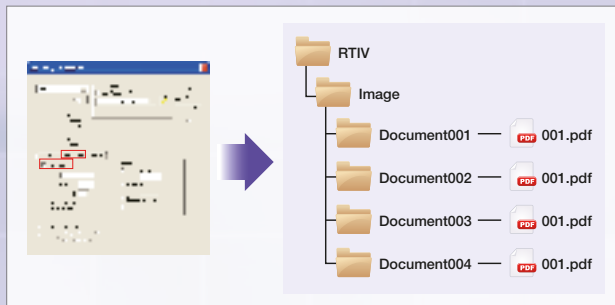
### Job Function

The Job function lets you set the file format for saving each job, and sorts scanned documents into the specific folder of the person in charge. This is especially helpful for people who regularly manage a large volume of documents, and people who want easy, folder-based management.

Scanned images can be automatically saved by specifying the file format and destination.



Job setting lets you sort files and folders on a group by group basis, and save the images into them.



## FAQ (1)

Q

What PC OS is available for the Panasonic High-Speed Scanners?

A

| Model #    | Win XP | Win XP (64bit) | Win Vista | Win 7 | Win 8 |
|------------|--------|----------------|-----------|-------|-------|
| KV-S7075C  | Yes    | Yes            | Yes       | Yes   | Yes   |
| KV-S4085CW |        |                |           |       |       |
| KV-S4085CL |        |                |           |       |       |
| KV-S4065CW |        |                |           |       |       |
| KV-S4065CL |        |                |           |       |       |
| KV-S5076H  |        |                |           |       |       |
| KV-S5046H  |        |                |           |       |       |
| KV-S5055C  |        |                |           |       |       |
| KV-S1065C  |        |                |           |       |       |
| KV-S1046C  |        |                |           |       |       |
| KV-S1026C  |        |                |           |       |       |
| KV-S1015C  |        |                |           |       |       |

Q

What is KOFAX?

A

KOFAX is a privately held California corporation established in 1985 to create and market hardware and software products needed to bring document image processing technology onto personal computer platforms. Today the company is one of the industry's leading developers

of component software applications and component development tools used to build production-level document imaging solutions for the PC LAN environment. Panasonic's line of High-Speed Scanners is compatible with KOFAX VRS.

**Q**

**What KOFAX products are certified for Panasonic High-Speed Scanners?**

**A**

Applicable Models:

KV-S4085CW/CL, KV-S4065CW/CL, KV-S5076H, KV-S5046H, KV-S5055C, KV-S7075C, KV-S1065C, KV-S1046C, KV-S1026C, ,KV-S1015C

VRS Version: VRS Elite 5.1

Kofax Express Version: 3.1

## FAQ (2)

Q

**What is ISIS?**

A

ISIS stands for Image and Scanner Interface Standard. ISIS, a de facto standard created by Pixel Translations (present EMC Corporation) is a system of software modules, each of which performs a specific image related function. ISIS modules are available to control scanners and printers, assist in the viewing of images, compress and convert the format of image data, and read or write files containing data. All current Panasonic High-Speed Scanners come bundled with high performance ISIS Certified drivers.

---

Q

**What is TWAIN?**

A

TWAIN stands for Technology Without Any Interesting Name. TWAIN defines a standard software protocol and application-programming interface (API) for communication between software applications and image acquisition devices. All current Panasonic High-Speed Scanners come bundled with TWAIN drivers.

Q

**What is the MTBF for Panasonic Scanners?**

A

**18,000 Hours (Only for Electric Parts)**

Q

**What is recommended replacement cycle for each roller exchange kit?**

A

| Model #  | Roller part # | Recommended replacement cycle |
|--|---------------|-------------------------------|
| KV-S4085CW<br>KV-S4085CL<br>KV-S4065CW<br>KV-S4065CL | KV-SS033      | 400,000 sheets scanning       |
| KV-S5076H<br>KV-S5046H                               | KV-SS060      | 350,000 sheets scanning       |
| KV-S5055C  | KV-SS039      |                               |
| KV-S7075C  | KV-SS015      | 300,000 sheets scanning       |
| KV-S1065C<br>KV-S1046C                               | KV-SS058      | 100,000 sheets scanning       |
| KV-S1026C  | KV-SS058      |                               |
| KV-S1015C  | KV-SS059      |                               |

## FAQ (3)



**How often should I clean the scanner paper feed rollers?**



To ensure optimal scanning performance, the paper feed rollers should be cleaned once a week or when 20,000 sheets or more are fed into the unit. In an environment where NCR paper is used, it is recommended that the paper feed rollers are cleaned on a daily basis. Treated papers, like NCR paper, contain chemicals that cause rollers to deteriorate at an accelerated rate, requiring roller replacement much sooner than scheduled. A good daily cleaning of the paper feed rollers with isopropyl alcohol will help to prolong the life of the rollers in this harsh environment.

Q

**Why is my scanner double-feeding paper?**

A

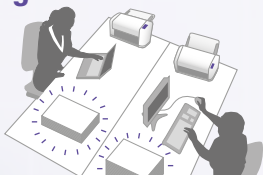
Document double feeding may be caused by dirty rollers. Just like your car, your scanner needs routine maintenance. Regular cleaning and maintenance of your scanner will protect your investment, maximize scanner performance, and provide you with the best insurance against costly downtime. Please refer to your operation manual for instructions on cleaning your scanner.

# Choose by Application

Panasonic document scanners allow users to select the optimal model to match their application. Here, we introduce applications for several typical features, and show the models that are applicable to each.

## 01 Desk-side Scanning

A compact scanner can be installed and used just about anywhere, like on the reception counter for everyday use, or even right on a desktop.



**Applicable Models** KV-S1065C, KV-S1046C, KV-S1026C, KV-S1015C

## 02 Card Scanning

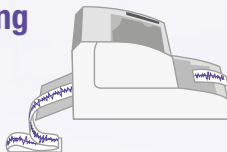
Reception tasks often include the need for scanning cards, such as driver's licenses, credit cards, and insurance certificates. For this kind of application, we recommend a model with the Multiple ID Card Feeding function, which scans up to embossed hard cards at a time.



**Applicable Models** KV-S1065C, KV-S1046C, KV-S1026C, KV-S1015C

## 03 Long Paper Scanning

Models with the Long Paper Scanning function make it fast and easy to scan long, special paper types, such as data at R&D centres or electrocardiograms at hospitals.



**Applicable Models** KV-S4085CW/CL, KV-S4065CW/CL, KV-S5076H, KV-S5046H, KV-S5055C, KV-S7075C, KV-S1065C, KV-S1046C

## 04 Thin Paper Scanning

Companies that often need to scan receipts or other forms that use thin paper will appreciate a model with the Thin Paper Scanning function. These models provide smooth scanning for even large volumes of thin paper documents.



### Applicable Models

KV-S4085CW/CL, KV-S4065CW/CL, KV-S5076H, KV-S5046H, KV-S5055C, KV-S1065C, KV-S1046C

## 05 Mixed Size Document Scanning

You get stable, steady scanning even for different sized documents. This greatly reduces the need for storage space, because you can store the results in data form instead of paper, and it simplifies information management.

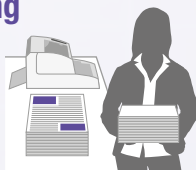


### Applicable Models

KV-S4085CW/CL, KV-S4065CW/CL, KV-S5076H, KV-S5046H, KV-S5055C, KV-S7075C

## 06 Large Volume Scanning

If you want to cut down on the mountains of paper that accumulate each day at your worksite, you'll appreciate a model with a large scanning capacity. These models convert large volumes of paper documents to data quickly and easily.

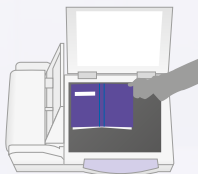


### Applicable Models

KV-S4085CW/CL, KV-S4065CW/CL, KV-S5076H, KV-S5046H, KV-S5055C

## 07 Book Scanning

Flatbed scanners are the answer for scanning books or other thick documents. You get beautiful scanned results by simply placing the document on the scanning glass, just like you do with a copy machine.



### Applicable Models

KV-S7075C, KV-SS081 (A4)

# Choose by Business Type

## 01 - Healthcare

Hospitals, dental clinics, healthcare centres and other medical organisations handle a wide range of paper documents, such as appointment slips, health insurance information, medical records and prescriptions for patients and outpatients.



### Panasonic Provides the Following Functions to Help Streamline Your Medical Information Management

#### **A** Mixed Document Feeding

Continuously scans documents of various sizes.



#### **B** Multiple Hard ID Card Scanning

Scans three cards one after the other, such as ID cards, insurance cards and embossed cards.



#### **C** Double Exposure For ID Cards

Displays both sides of a card on the same screen.



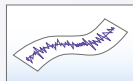
#### **D** Ultrasonic Double Feed Detection

Detects double feeding instantaneously.



#### **E** Supports Long Paper Scanning

Saves long documents such as electrocardiogram records.



#### **F** Small Footprint

The compact unit size enables easy setup on a desktop.



#### Recommended Models

KV-S4085CW/CL  
KV-S4065CW/CL

A B C D E F

KV-S1065C  
KV-S1046C

A\* B C D E F

KV-S5076H  
KV-S5046H

A B C D E F

KV-S1026C  
KV-S1015C

A B C D E F

KV-S5055C

A B C D E F

\*Align the document pages along the center.

## 02- Finance

Long-term storage and management of contracts and checks can require enormous amounts of time and effort for financial institutions and insurance companies. With their easy digital filing, scanners promote paperless document management. Conversion to digital data also allows easy searching and retrieval of information whenever needed.



### Panasonic Provides the Following Functions to Help Streamline Your Financial Information Management

#### **A High-Speed, High-Volume Scanning**

Scans a large amount of documents at high speed.



#### **B Mixed Document Feeding**

Continuously scans documents of various sizes.



#### **C Automatic Cropping and De-Skewing**

The De-Skewing function adjusts images scanned at an angle, and the Cropping function properly trims the images.



#### **D Blank Page Removal**

Removes documents with a blank back page from data to simplify document management and improve search efficiency.



#### **E Flatbed Scanning**

For scanning books, drawings, and other special documents.



#### Recommended Models

KV-S4085CW/CL  
KV-S4065CW/CL

**A B C D E**

KV-S7075C

**A B C D E**

KV-S5076H  
KV-S5046H

**A B C D E**

KV-S1065C  
KV-S1046C

**A B\* C D E**

KV-S5055C

**A B C D E**

\*Align the document pages along the center.

# Choose by Business Type

## 03- Service Bureau

For the offices of service bureaus, quick and accurate scanning of large volumes of documents received from clients is a key to securing profits. Scanners can convert paper documents into digital data quickly and accurately. They help to improve work efficiency, which leads directly to profits.



### Panasonic Provides the Following Functions to Help Streamline Your Service Bureau Management

#### **A High-Speed, High-Volume Scanning**

Scans a large amount of documents at high speed.



#### **B Mixed Document Feeding**

Continuously scans documents of various sizes.



#### **C ToughFeed**

Detects stapled documents to minimise damage to the documents and equipment.



#### **D Ultrasonic Double Feed Detection**

Detects double feeding instantaneously.



#### **E Straight Paper Path**

Scans thick-paper or long paper documents.



#### **F Automatic Cropping and De-Skewing**

The De-Skewing function adjusts images scanned at an angle, and the Cropping function properly trims the images.



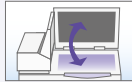
#### **G Multi Colour Dropout**

Removes unnecessary lines and backgrounds in order to improve OCR accuracy.



#### **H Flatbed Scanning**

For scanning books, drawings, and other special documents.



#### Recommended Models

KV-S4085CW/CL

KV-S4065CW/CL

A B C D E F G H

KV-S5076H

KV-S5046H

A B C D E F G H

KV-S5055C

A B C D E F G H

KV-S7075C

A B C D E F G H

## 04- Government

Government and other public offices handle a wide range of paper documents, such as application forms, permissions, certificates and licenses. These documents contain various types of personal information. Converting them into digital data with a scanner significantly improves the information management efficiency, and digital data can be shared on-line with other government offices and local offices.



### Panasonic Provides the Following Functions to Help Streamline Government Office Work

#### A High-Speed, High-Volume Scanning

Scans a large amount of documents at high speed.



#### B Mixed Document Feeding

Continuously scans documents of various sizes.



#### C ToughFeed

Detects stapled documents to minimise damage to the documents and equipment.



#### D Blank Page Removal

Removes documents with a blank back page from data to simplify document management and improve search efficiency.



#### E Automatic Memory Erase

Automatically deletes data in the scanner memory to ensure high information security.



#### F Flatbed Scanning

For scanning books, drawings, and other special documents.



#### Recommended Models

KV-S4085CW/CL  
KV-S4065CW/CL

A B C D E F

KV-S1065C  
KV-S1046C

A B\* C D E F

KV-S5076H  
KV-S5046H

A B C D E F

KV-S7075C

A B C D E F

KV-S5055C

A B C D E F

\*Align the document pages along the center.

# Choose by Business Type

## 05- Transporter

The large number of delivery slips produced each day are easily managed when they are converted into digital data by a scanner. In addition, when OCR software is used in combination, handwritten information on slips can be easily converted into digital data to enable its use for delivery information searching on the web.



### Panasonic Provides the Following Functions to Help Streamline Your Transport Business

#### **A** High-Speed, High-Volume Scanning

Scans a large amount of documents at high speed.



#### **B** Mixed Document Feeding

Continuously scans documents of various sizes.



#### **C** ToughFeed

Detects stapled documents to minimise damage to the documents and equipment.



#### **D** Blank Page Removal

Removes documents with a blank back page from data to simplify document management and improve search efficiency.



#### Recommended Models

KV-S4085CW/CL  
KV-S4065CW/CL

**A B C D**

KV-S5076H  
KV-S5046H

**A B C D**

KV-S5055C

**A B C D**

## 06- Office

The General Affairs and Legal departments of a company regularly handle contracts and application forms containing personal and confidential information. The Accounting Department also manages customer information and internal-use-only documents. Converting these documents into digital data by using a scanner not only allows more effective use of office space but also enables easier searching and quicker retrieval of data.



### Panasonic Provides the Following Functions to Help Streamline Your Document Management

#### A High-Speed, High-Volume Scanning

Scans a large amount of documents at high speed.



#### B ToughFeed

Detects stapled documents to minimise damage to the documents and equipment.



#### C Automatic Cropping and De-Skewing

The De-Skewing function adjusts images scanned at an angle, and the Cropping function properly trims the images.



#### D Blank Page Removal

Removes documents with a blank back page from data to simplify document management and improve search efficiency.



#### E Small Footprint

The compact unit size enables easy setup on a desktop.



#### F Flatbed Scanning

For scanning books, drawings, and other special documents.



#### Recommended Models

KV-S4085CW/CL  
KV-S4065CW/CL

A B C D E F

KV-S7075C

A B C D E F

KV-S5076H  
KV-S5046H

A B C D E F

KV-S1065C  
KV-S1046C

A B C D E F

KV-S5055C

A B C D E F

KV-S1026C  
KV-S1015C

A B C D E F

# Options and Consumables

## Options and Consumables

### KV-S4085CW/CL, KV-S4065CW/CL

|                                  |          |
|----------------------------------|----------|
| Roller Exchange Kit              | KV-SS033 |
| Roller Cleaning Paper            | KV-SS03  |
| Imprinter Unit (Post and/or Pre) | KV-SS014 |
| Ink Cartridge                    | KV-SS021 |
| Flatbed Scanner                  | KV-SS081 |

### KV-S5076H, KV-S5046H

|                                  |          |
|----------------------------------|----------|
| Roller Exchange Kit              | KV-SS060 |
| Roller Cleaning Paper            | KV-SS03  |
| Imprinter Unit (Post and/or Pre) | KV-SS014 |
| Ink Cartridge                    | KV-SS021 |
| Flatbed Scanner                  | KV-SS081 |

### KV-S5055C

|                       |          |
|-----------------------|----------|
| Roller Exchange Kit   | KV-SS039 |
| Roller Cleaning Paper | KV-SS03  |
| Imprinter Unit (Pre)  | KV-SS014 |
| Ink Cartridge         | KV-SS021 |
| Flatbed Scanner       | KV-SS081 |

### KV-S7075C

|                       |          |
|-----------------------|----------|
| Roller Exchange Kit   | KV-SS015 |
| Roller Cleaning Paper | KV-SS03  |
| Imprinter Unit (Pre)  | KV-SS014 |
| Ink Cartridge         | KV-SS021 |

### KV-S1065C, KV-S1046C

|                       |          |
|-----------------------|----------|
| Roller Exchange Kit   | KV-SS058 |
| Roller Cleaning Paper | KV-SS03  |
| Flatbed Scanner       | KV-SS081 |

### KV-S1026C, KV-S1015C

|                                 |          |
|---------------------------------|----------|
| Roller Exchange Kit (KV-S1026C) | KV-SS058 |
| Roller Exchange Kit (KV-S1015C) | KV-SS059 |
| Roller Cleaning Paper           | KV-SS03  |
| Flatbed Scanner                 | KV-SS081 |

## Standard Memory Size

| Scanner                                     | Pre-installed<br>Memory Size | Additional Memory   |  |
|---|------------------------------|---|--|
|   |                              | Spec.   | Evaluated Memory                         |
| KV-S4085CW/CL<br>KV-S4065CW/CL<br>KV-S5055C | 32MB                         | JEDEC-Standard 168pin, dual<br>in-line memory module (DIMM) | EDGE 128,256,512<br>Kingston 128,256,512 |
| KV-S7075C                                   | 80MB                         |   |  |
| KV-S5076H                                   | 512MB                        | —   |  |
| KV-S5046H                                   | 256MB                        |   |  |
| KV-S1065C                                   | 128MB                        |   |  |
| KV-S1046C                                   |                              |   |  |
| KV-S1026C                                   | 64MB                         |   |  |
| KV-S1015C                                   |                              |   |  |

# Notes

~~DO NOT USE  
SEPARATE FILE  
FOR COVERS,  
INSIDE  
COVERS AND  
PAGES 1 AND 2~~

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## **Important**

- Safety Precaution: carefully read the operating instructions and installation manual before using these products.
- Some models will be available to limited countries.
- Weights and dimensions are approximate.
- Design and specification subject to change without notice.
- These products may be subject to export control regulations.

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