

Panasonic
ideas for life

Panasonic

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

MG-M89 1009 Printed in Japan



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 Aspects Are Needed in Document Scanners?	8
The Answer Is Panasonic Premium Quality	9

Product Information

Comparison by Paper Volume	10
KV-S3105C, KV-S3085	12
KV-S4085CW/CL, KV-S4065CW/CL	14
KV-S5055C	16
KV-S3065CW, KV-S3065CL	18
KV-S7075C	20
KV-S2048C, KV-S2028C	22
KV-S1045C	24
KV-S1025C	26
KV-SS080	28

Features and Software

Main Features	30
Toughfeed	40
Image Processing Functions	42

Others

FAQ	50
Choose by Application	56
Choose by Business Type	58
Options and Consumables	64

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.

World Share No. 1



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	1737
Panasonic	1729
Company B	1644
Company C	
Company D	
Company F	

Panasonic holds the No.2 rank for patent applications in the World. As of 2008 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

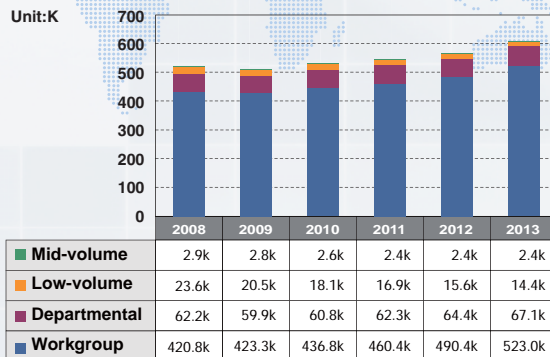
Market Forecast



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.

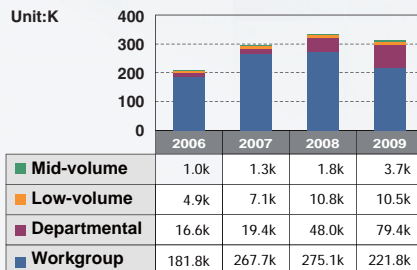


Unit Shipments (U.S.A.)



Source: 2009 InfoTrend

Unit Shipments (Europe)



Source: FutureSource

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

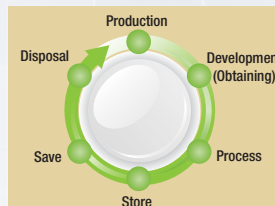
Electronic data

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 Aspects Are Needed in Document Scanners?

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



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.

Universal Design

Easy to understand and use, by anyone, anywhere.

Unique Technology

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

Ecology

Gentle on the environment.



Comparison by Paper Volume



KV-S3085



KV-S3105C

Hi-volume
100ppm



KV-S4085CW
KV-S4085CL

Mid-volume
65-100ppm

KV-S7075C



KV-S3065CW
KV-S3065CL



Low-volume
51-75ppm



KV-S4065CW
KV-S4065CL

KV-S5055C

Departmental
31-50ppm

KV-S2028C



KV-S2048C



**Optional Flatbed
Scanner**
KV-SS080



Workgroup
30ppm

KV-S1045C



KV-S1025C



KV-S3105C/KV-S3085

Scanning Speed

■ **130 ppm / 220 ipm**
(KV-S3105C)

■ **100 ppm / 180 ipm**
(KV-S3085)

*A4, Landscape, 200 dpi, Binary

Maximum Paper Size

■ **A3**

Paper Volume

■ **1,000-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
- Post-Imprinter

Specifications

			KV-S3105C		KV-S3085	
Scanning Face			Duplex scanning			
Scanning Method			3-line colour CCD			
Scanning Resolution			100 to 600 dpi (1dpi step, optical 400 dpi)			
			Simplex	Duplex	Simplex	Duplex
Binary Speed ^{*1} 200 dpi	Landscape	Letter	132 ppm	230 ipm	102 ppm	190 ipm
		A4	130 ppm	220 ipm	100 ppm	180 ipm
	Portrait	Letter	105 ppm	190 ipm	88 ppm	166 ipm
		A4	100 ppm	180 ipm	85 ppm	160 ipm
Colour Speed ^{*1} 200 dpi	Landscape	Letter	132 ppm	180 ipm	102 ppm ^{*2}	170 ipm ^{*2}
		A4	130 ppm	175 ipm	100 ppm ^{*2}	165 ipm ^{*2}
	Portrait	Letter	105 ppm	180 ipm	88 ppm ^{*2}	166 ipm ^{*2}
		A4	100 ppm	174 ipm	85 ppm ^{*2}	160 ipm ^{*2}
Hopper Capacity			Up to 1,000 sheets (64 g/m ² , 17 lbs.)			
Other Functions			<ul style="list-style-type: none">• Control sheet• Patch code detection (Type 2, 3, T) [ISIS]• Double feed detection (Ultrasonic method)• Post Imprinter capability (Option)			
Image output			MultiStream (bitonal & colour), Binary mode, Greyscale mode, Colour mode		MultiStream (bitonal & colour) ^{*2} , Binary mode, Greyscale mode, Colour mode ^{*2}	
Tonal Gradation (Bitonal mode)			Dither, Error diffusion, Greyscale (8 bit), Binary			
Image Compression			MH, MR and MMR for bitonal, JPEG for colour and greyscale		MH, MR and MMR for bitonal, JPEG for colour ^{*2} and greyscale ^{*2}	
Paper Size ^{*3}	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		302 x 2,540 mm (11.9 x 100 in.)				
Paper Thickness Note: 1 mil = 1/1000 in.	Single Feed	0.04 to 0.2 mm (1.6 to 7.9 mils)				
	Continuous Feed	0.06 to 0.2 mm (2.4 to 7.9 mils)				
Paper Weight ^{*4}	Single Feed	30 to 157 g/m ² (8 to 42 lbs.)				
	Continuous Feed	50 to 157 g/m ² (13 to 42 lbs.)				
	Business Card	Thicker than 127 g/m ² (34 lbs.)				
Interface			SCSI (68 pin) (Ultra wide) / USB 2.0			
General						
Dimensions (W x D x H)			627 x 546 x 415 mm (24.7 x 21.5 x 16.3 in.)			
Weight			52 kg (114.4 lbs.)			
Power Requirement			AC 100 - 120 V, 50/60 Hz AC 220 - 240 V, 50/60 Hz			
Power Consumption	Scanning		3.0 A (AC 100 - 120 V) 1.5 A (AC 220 - 240 V)			
		Standby	0.7 A (AC 100 - 120 V) 0.5 A (AC 220 - 240 V)			
	Sleep Mode		6.2 W or less (AC 100 - 120 V) 6.2 W or less (AC 220 - 240 V)			
		Operating Environment			15 to 30 °C (59 to 86 °F), 20 to 80 % RH	
Storage Environment			0 to 35 °C (32 to 95 °F), 10 to 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 These specifications are available in case the Colour Upgrade Kit option (KV-S029) is applied.

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

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

• ISIS® and Quick Scan are registered trademarks or trademarks of EMC Corporation in the United States and other countries.

• 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-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



Specifications

			KV-S4085CW/CL	KV-S4065CW/CL		
Scanning Face			Duplex scanning			
Scanning Method			Hybrid CIS			
Scanning Resolution			100 to 600 dpi (1 dpi step)			
Binary Speed ^{*1} 200 dpi/300 dpi	Landscape	Letter	100 ppm ²	200 ipm ²	80 ppm ³	160 ipm ³
		A4	100 ppm ²	200 ipm ²	80 ppm ³	160 ipm ³
		Portrait	Letter	85 ppm	170 ipm	65 ppm
	Landscape	A4	80 ppm	160 ipm	60 ppm	120 ipm
		Letter	100 ppm ²	200 ipm ²	80 ppm ³	160 ipm ³
		A4	100 ppm ²	200 ipm ²	80 ppm ³	160 ipm ³
Colour Speed ^{*1} 200 dpi/300 dpi	Landscape	Letter	100 ppm ²	200 ipm ²	80 ppm ³	160 ipm ³
		A4	100 ppm ²	200 ipm ²	80 ppm ³	160 ipm ³
		Portrait	Letter	85 ppm	170 ipm	65 ppm
	Portrait	A4	80 ppm	160 ipm	60 ppm	120 ipm
		Letter	100 ppm ²	200 ipm ²	80 ppm ³	160 ipm ³
		A4	100 ppm ²	200 ipm ²	80 ppm ³	160 ipm ³
Hopper Capacity			Up to 300 sheets (64 g/m ² , 17 lbs.)			
Other Functions			• Control sheet • Patch code detection (Type 2, 3, T) [ISIS] • Double feed detection (KV-S4085CW/CL: 3 positions, KV-S4065CW/CL: 1 position) • 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 ^{*4}	Minimum	48 x 70 mm (1.9 x 2.75 in.) 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.) KV-S4085CW / KV-S4065CW: 302 x 2,540 mm (11.9 x 100 in.)			
Paper Thickness Note: 1 mil = 1/1000 in.			0.04 to 0.2 mm (1.9 to 7.9 mils) Straight path: max. 0.6 mm (23.6 mils)			
Paper Weight ^{*5}			Thin mode: 20 to 50 g/m ² (5 to 13 lbs.) Normal mode: 50 to 157 g/m ² (13 to 42 lbs.) Thick mode: 157 to 209 g/m ² (42 to 56 lbs.) Auto mode: 20 to 157 g/m ² (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 - 120V) 0.7 A (220 - 240V)		1.4 A (100 - 120V) 0.6 A (220 - 240V)	
			0.7 A (100 - 120V) 0.4 A (220 - 240V)		0.7 A (100 - 120V) 0.4 A (220 - 240V)	
	Standby		0.7 A (100 - 120V) 0.4 A (220 - 240V)		0.7 A (100 - 120V) 0.4 A (220 - 240V)	
		Sleep Mode	5.3 W or less (AC 100 - 120 V), 5.3 W or less (AC 220 - 240 V)			
Operating Environment			15 to 30 °C (59 to 86 °F), 20 to 80 % RH			
Storage Environment			0 to 40 °C (32 to 104 °F), 10 to 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.).

• ISIS® and Quick Scan are registered trademarks or trademarks of EMC Corporation in the United States and other countries.

• ENERGY STAR® and the ENERGY STAR certification marks are registered US marks.

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

• Specifications are subject to change without notice.

• Dimensions and weights are approximate.

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) Key



mm (inch)

Specifications

			KV-S5055C	
Scanning Face			Duplex scanning	
Scanning Method			3-line colour CCD	
Scanning Resolution			100 to 600dpi (1dpi step)	
			Simplex	Duplex
Binary/Colour Speed ^{*1} 200 dpi	Landscape	Letter	90 ppm	180 ipm
		A4	90 ppm	180 ipm
	Portrait	Letter	75 ppm	150 ipm
		A4	70 ppm	140 ipm
Binary/Colour Speed ^{*1} 300 dpi	Landscape	Letter	60 ppm	120 ipm
		A4	60 ppm	120 ipm
	Portrait	Letter	50 ppm	100 ipm
		A4	50 ppm	100 ipm
Hopper Capacity			Up to 200 sheets (75 g/m ² , 20 lbs.)	
Other Functions			<ul style="list-style-type: none">• Control sheet• Patch code detection (Type 2, 3, T) (ISIS)• Double feed detection (1 position)• Pre Imprinter Capability (Option)• 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	
Paper Size ^{*2}	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 (12.01 x 100 in.)	
Paper Thickness Note: 1 mil = 1/1000 in.			0.04 to 0.2 mm (1.6 to 7.9 mils)	
Paper Weight ^{*3}			20 to 157 g/m ² (5 to 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 AC 100 - 240 V, 50/60 Hz	
Power Consumption	Scanning		1.0 A (AC 100 - 120 V) 0.5 A (AC 220 - 240 V)	
			0.4 A (AC 100 - 120 V) 0.2 A (AC 220 - 240 V)	
	Standby		3.5 W or less (AC 100 - 120 V) 3.5 W or less (AC 220 - 240 V)	
Sleep Mode				
Operating Environment			15 to 30 °C (59 to 86 °F), 20 to 80 % RH	
Storage Environment			0 to 40 °C (32 to 104 °F), 10 to 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.).

• ISIS® is registered trademarks or trademarks of EMC Corporation in the United States and other countries.

• ENERGY STAR® and the ENERGY STAR certification marks are registered US marks.

• 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-S3065CW/CL

Scanning Speed

■ **70 ppm / 130 ipm**

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

Maximum Paper Size

■ **A3 (KV-S3065CW)**
A4 (KV-S3065CL)

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
- Plastic CIS Cover
- Auto Erasure Security
- Pre/Post-Imprinter
- Background Colour Switching



mm (inch)

Specifications

			KV-S3065CW		KV-S3065CL	
Scanning Face			Duplex scanning			
Scanning Method			Hybrid CIS			
Scanning Resolution			100 to 600dpi (1dpi step)			
			Simplex	Duplex	Simplex	Duplex
Binary Speed ¹ 200 dpi	Landscape	Letter	70 ppm	130 ipm	-	-
		A4	70 ppm	130 ipm	-	-
	Portrait	Letter	65 ppm	120 ipm	65 ppm	120 ipm
		A4	60 ppm	110 ipm	60 ppm	110 ipm
Colour Speed ¹ 200 dpi	Landscape	Letter	70 ppm	130 ipm	-	-
		A4	70 ppm	130 ipm	-	-
	Portrait	Letter	65 ppm	120 ipm	65 ppm	120 ipm
		A4	60 ppm	110 ipm	60 ppm	110 ipm
Hopper Capacity			Up to 300 sheets (64 g/m ² , 17 lbs.)			
Other Functions			<ul style="list-style-type: none">• Control sheet• Patch code detection (Type 2, 3, T) [ISIS]• Double feed detection (Ultrasonic method)• Pre or Post Imprinter Capability (Option)			
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			MH, MR and MMR for bitonal, JPEG for colour and greyscale			
Paper Size ²	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			302 x 2,540 mm (11.9 x 100 in.)		227 x 2,540 mm (8.9 x 100 in.)	
Paper Thickness Note: 1 mil = 1/1000 in.	Single Feed		0.025 to 0.2 mm (1.0 to 7.9 mils)			
	Continuous Feed		0.06 to 0.2 mm (2.4 to 7.9 mils)			
Paper Weight ³	Single Feed		20 to 157 g/m ² (5.3 to 42 lbs.)			
	Continuous Feed		40 to 157 g/m ² (11 to 42 lbs.)			
Interface			SCSI (50 pin) / USB 2.0			
General						
Dimensions (W x D x H)			495 x 575 x 288 mm (19.5 x 22.7 x 11.4 in.)			
Weight			24 kg (53 lbs.)			
Power Requirement			AC 100 - 120 V, 50/60 Hz AC 220 - 240 V, 50/60 Hz			
Power Consumption	Scanning		1.4 A (AC 100 - 120 V) 0.6 A (AC 220 - 240 V)			
			0.6 A (AC 100 - 120 V) 0.3 A (AC 220 - 240 V)			
	Standby		6.2 W or less (AC 100 - 120 V) 6.2 W or less (AC 220 - 240 V)			
		Sleep Mode				
Operating Environment			15 to 30 °C (59 to 86 °F), 20 to 80 % RH			
Storage Environment			0 to 35 °C (32 to 95 °F), 10 to 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.).

• ISIS® and Quick Scan are registered trademarks or trademarks of EMC Corporation in the United States and other countries.

• 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-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

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 ^{*1} 200 dpi	Landscape	Letter	95 ppm	190 ipm
		A4	95 ppm	190 ipm
	Portrait	Letter	80 ppm	160 ipm
		A4	75 ppm	150 ipm
Colour Speed ^{*1} 200 dpi	Landscape	Letter	95 ppm	190 ipm
		A4	95 ppm	190 ipm
	Portrait	Letter	80 ppm	160 ipm
		A4	75 ppm	150 ipm
Hopper Capacity			Up to 200 sheets (64 g/m ² , 17 lbs.)	
Other Functions			<ul style="list-style-type: none">• Control sheet• Patch code detection (Type 2, 3, T) (ISIS)• Double feed detection (Ultrasonic method)• Pre Imprinter capability (Option)	
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.) Flatbed Max. 297 x 432 mm (11.7 x 17 in.)		
Paper Thickness 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 ^{*2}	Single Feed	40 to 127 g/m ² (11 to 34 lbs.)		
	Continuous Feed	40 to 127 g/m ² (11 to 34 lbs.)		
	Business Card	Thicker than 127 g/m ² (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 AC 220 - 240 V, 50/60 Hz	
Power Consumption	Scanning	1.2 A (AC 100-120 V) 0.6 A (AC 220-240 V)		
	Standby	0.6 A (AC 100 - 120 V) 0.3 A (AC 220 - 240 V)		
	Sleep Mode	2.8 W or less (AC 100 - 120 V) 4.0 W or less (AC 220 - 240 V)		
Operating Environment			15 to 30 °C (59 to 86 °F), 30 to 80 % RH	
Storage Environment			0 to 40 °C (32 to 104 °F), 10 to 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.)

• ISIS® and Quick Scan are registered trademarks or trademarks of EMC Corporation in the United States and other countries.

• ENERGY STAR® and the ENERGY STAR certification marks are registered US marks.

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

• Specifications are subject to change without notice.

• Dimensions and weights are approximate.



mm (inch)

KV-S2048C/KV-S2028C

Scanning Speed

■ **41 ppm / 72 ipm**
(KV-S2048C)

■ **22 ppm / 40 ipm**
(KV-S2028C)

*A4, Portrait, 200 dpi, Binary

Maximum Paper Size

■ **A4**

Paper Volume

■ **120-sheet ADF**

*Business Card to A4 size

Main Features

- High Speed Full Colour Scanning
- Duplex Scanning
- Mixed Document Feeding
- Easy Maintenance
- Double-Feed Prevention Roller System
- Space-Saving Installation
- Pre-Imprinter (KV-S2048C only)
- Background Colour Switching*

*The black background is standard, and the white background is optional.

Specifications

			KV-S2048C	KV-S2028C
Scanning Face			Duplex scanning	
Scanning Method			CIS (Front and Back sides)	
Scanning Resolution			100 to 600dpi (1dpi step)	
Binary Speed*1 200 dpi	Letter	Simplex	43 ppm	23 ppm
		Duplex	76 ipm	42 ipm
	A4	Simplex	41 ppm	22 ppm
		Duplex	72 ipm	40 ipm
Colour Speed*1 200 dpi	Letter	Simplex	19 ppm	10 ppm
		Duplex	34 ipm	18 ipm
	A4	Simplex	18 ppm	7 ppm
		Duplex	32 ipm	12 ipm
Automatic Document Feeder			Up to 120 sheets (64 g/m ² , 17 lbs.)	
Other Functions			<ul style="list-style-type: none">• Patch code detection (Type 2, 3, T) [ISIS]• Double feed detection (Ultrasonic method)• Pre Imprinter capability (Option)	<ul style="list-style-type: none">• Patch code detection (Type 2, 3, T) [ISIS]• Double feed detection (Ultrasonic method)
Image Output			Binary mode, Greyscale mode, Colour mode	
Tonal Gradation (Bitonal mode)			Dither, Error diffusion, Greyscale (4/8 bit), Binary, Note: Dither and Error diffusion are executed by driver or RTIV	
Paper Size*2	Minimum	50.8 x 70 mm (2.0 x 2.75 in.)		
	Maximum	216 x 356 mm (8.5 x 14 in.)		
Paper Thickness Note: 1 mil = 1/1000 in.	Single Feed	0.05 to 0.15 mm (2.0 to 5.9 mils)		
	Continuous Feed	0.06 to 0.15 mm (2.36 to 5.9 mils)		
Paper Weight*3	Single Feed	40 to 127 g/m ² (11 to 34 lbs.)		
	Continuous Feed	50 to 127 g/m ² (13 to 34 lbs.)		
Interface			USB 2.0	
General				
Dimensions (W x D x H)			When tray is stored: 343 x 296 x 239 mm (13.5 x 11.7 x 9.4 in.)	
Weight			9.1 kg (20.1 lbs.)	8.6 kg (19.0 lbs.)
Power Requirement			AC 100 - 120 V, 50/60 Hz AC 220 - 240 V, 50/60 Hz	
Power Consumption	Scanning	1A (AC 100 - 120 V) 0.5 A (AC 220 - 240 V)		
		0.3 A (AC 100 - 120 V) 0.2 A (AC 220 - 240 V)		
	Sleep Mode	3.5 W (AC 100 - 120 V) 5.3 W (AC 220 - 240 V)		
		Operating Environment		
			15 to 30 °C (59 to 86 °F), 30 to 80 % RH	
Storage Environment			0 to 35 °C (32 to 95 °F), 10 to 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 setting of the paper length is possible to 25 inches in TWAIN, ISIS and RTIV. In case of a paper beyond legal size, 1 by 1 paper scanning in the resolution under 300 dpi is recommended.

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

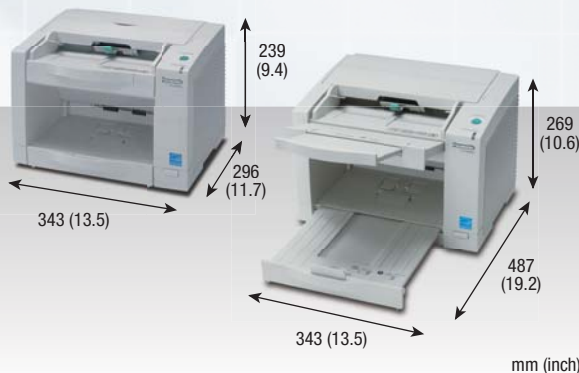
• ISIS® and Quick Scan are registered trademarks or trademarks of EMC Corporation in the United States and other countries.

• ENERGY STAR® and the ENERGY STAR certification marks are registered US marks.

• 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-S1045C

Scanning Speed

■ 40 ppm / 80 ipm

*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 Colour Scanning
- Duplex Scanning
- Mixed Document Feeding
- Embossed Card Scanning
- Long Paper Mode
- Easy Maintenance
- Double-Feed Prevention Roller System
- Auto Erasure Security
- Space-Saving Installation



mm (inch)

Specifications

			KV-S1045C
Scanning Face			Duplex scanning
Scanning Method			3-line colour CCD
Scanning Resolution			100 to 600dpi (1dpi step)
Binary Speed ^{*1} 200 dpi	Letter	Simplex	40 ppm
		Duplex	80 ipm
	A4	Simplex	40 ppm
		Duplex	80 ipm
Colour Speed ^{*1} 200 dpi	Letter	Simplex	40 ppm
		Duplex	80 ipm
	A4	Simplex	40 ppm
		Duplex	80 ipm
Automatic Document Feeder			Up to 75 sheets (80 g/m ² , 20 lbs), 3 hard cards (ISO 7810 ID-1)
Other Functions			● Control sheet ● Patch code detection (Type 2, 3, T) [ISIS] ● Long paper mode
Image Output			MultiStream (bitonal & colour or 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
Paper Size ^{*2}	Minimum	48 x 54 mm (1.9 x 2.13 in.)	
	Maximum	218 x 2540 mm (8.58 x 100 in.)	
Max. Scanning Page Size			216 x 2,540 mm (8.5 x 100 in.)
Paper Thickness Note: 1 mil = 1/1000 in.	Single Feed	0.05 to 0.2 mm (2.0 to 7.9 mils)	
	Continuous Feed	0.05 to 0.2 mm (2.0 to 7.9 mils)	
	Single Feed	Card: Up to approx. 0.76 mm (0.03 in.) in thickness + embossing (ISO standard 7810 ID-1 card scanning including embossed card)	
	Single Feed mode using Strait Path		
Paper Weight ^{*3}	Single Feed	40 to 209 g/m ² (11 to 55 lbs.)	
Interface			USB 2.0
General			
Dimensions (W x D x H)			With Stand: 317 x 209 x 196 mm (12.5 x 8.2 x 7.8 in.)
Weight			4.5 kg (9.9 lbs.)
Power Requirement			AC 100 - 120 V, 50/60 Hz AC 220 - 240 V, 50/60 Hz
Power Consumption	Scanning	38 W	
	Standby	23 W	
	Sleep Mode	5.3 W or less (AC 100 - 120 V) 5.3 W or less (AC 220 - 240 V)	
Operating Environment			15 to 30 °C (59 to 86 °F), 20 to 80 % RH
Storage Environment			0 to 40 °C (32 to 104 °F), 10 to 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 Though other paper size can be specified, it cannot be guaranteed.

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

- ISIS® and Quick Scan are registered trademarks or trademarks of EMC Corporation in the United States and other countries.
- ENERGY STAR® and the ENERGY STAR marks are registered US marks.
- 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-S1025C

Scanning Speed

■ **25 ppm / 50 ipm**

*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
- Mixed Document Feeding
- Embossed Card Scanning
- Long Paper Mode
- Easy Maintenance
- Double-Feed Prevention Roller System
- Auto Erasure Security
- Space-Saving Installation
- Detachable Stand



mm (inch)

Specifications

			KV-S1025C
Scanning Face			Duplex scanning
Scanning Method			3-line colour CCD
Scanning Resolution			100 to 600dpi (1dpi step)
Binary Speed ^{*1} 200 dpi	Letter	Simplex	26 ppm
		Duplex	52 ipm
	A4	Simplex	25 ppm
		Duplex	50 ipm
Colour Speed ^{*1} 200 dpi	Letter	Simplex	26 ppm
		Duplex	52 ipm
	A4	Simplex	25 ppm
		Duplex	50 ipm
Automatic Document Feeder			Up to 50 sheets (80 g/m ² , 20 lbs), 3 hard cards (ISO 7810 ID-1)
Other Functions			<ul style="list-style-type: none">• Control sheet• Patch code detection (Type 2, 3, T) [ISIS]
Image Output			MultiStream (bitonal & colour or 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
Paper Size ^{*2}	Minimum	48 x 54 mm (1.9 x 2.13 in.)	
	Maximum	218 x 2540 mm (8.58 x 100 in.)	
Max. Scanning Page Size			216 x 2,540 mm (8.5 x 100 in.)
Paper Thickness Note: 1 mil = 1/1000 in.	Single Feed	0.05 to 0.2 mm (2.0 to 7.9 mils)	
	Continuous Feed	0.05 to 0.2 mm (2.0 to 7.9 mils)	
	Single Feed	Card: Up to approx. 0.76 mm (0.03 in.) in thickness + embossing (ISO standard 7810 ID-1 card scanning including embossed card)	
	Single Feed mode using Strait Path		
Paper Weight ^{*3}	Single Feed	40 to 209 g/m ² (11 to 55 lbs.)	
Interface			USB 2.0
General			
Dimensions (W x D x H)			With Stand: 317 x 218 x 196 mm (12.5 x 8.6 x 7.8 in.)
Weight			With stand: 4.2 kg (9.3 lbs.)
Power Requirement			AC 100 - 120 V, 50/60 Hz AC 200 - 240 V, 50/60 Hz
Power Consumption	Scanning	32 W	
	Standby	22 W	
	Sleep Mode	7 W or less (AC 100 - 120 V) 7 W or less (AC 220 - 240 V)	
Operating Environment			15 to 30 °C (59 to 86 °F), 30 to 80 % RH
Storage Environment			0 to 35 °C (32 to 95 °F), 10 to 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 Though other paper size can be specified, it cannot be guaranteed.

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

- ISIS® and Quick Scan are registered trademarks or trademarks of EMC Corporation in the United States and other countries.
- 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-SS080 (Optional Flatbed Scanner)

Scanning Speed

■ 3.6 sec

*A4, 200 dpi, Binary/Colour

Maximum Paper Size

■ A4

Main Features

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



Specifications

	KV-SS080
Scanning Type	Flatbed
Scanning Method	CCD
Scanning Resolution	100 dpi to 600 dpi (1 dpi step) (B/W and Colour)
Scanning Speed*	3.6 sec. (A4, 200 dpi) (B/W and Colour)
Paper Size	Maximum 216 x 297 mm (8.5 x 11.7 in.)
Interface	USB 2.0
Power Requirement	AC 100 - 120 V, 50/60 Hz AC 200 - 240 V, 50/60 Hz
Power Consumption	Scanning
	Standby
	Sleep Mode
	17 W
	12 W
	3.5 W or less
Operating Environment	15 to 30 °C (59 to 86 °F), 30 to 80 % RH
Storage Environment	0 to 35 °C (32 to 95 °F), 10 to 80 % RH
Dimensions (W x D x H)	287 x 518 x 83.5 mm (11.3 x 20.4 x 3.3 in.)
Weight	3.4 kg (7.5 lbs.)

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

- ISIS® and Quick Scan are registered trademarks or trademarks of EMC Corporation in the United States and other countries.
- ENERGY STAR® and the ENERGY STAR marks are registered US marks.
- All product names are trademarks or registered trademarks of their respective holders.
- Specifications are subject to change without notice.
- Dimensions and weights are approximate.

Applicable Models

KV-S4085CW/CL
KV-S4065CW/CL

KV-S5055C

KV-S3065CW/CL

KV-S2048C
KV-S2028C

KV-S1045C

KV-S1025C

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-S3105C, KV-S3085,
KV-S4085CW/CL, KV-S4065CW/CL,
KV-S5055C, KV-S3065CW/CL,
KV-S7075C, KV-S2048C, KV-S2028C,
KV-S1045C, KV-S1025C



*Separately movable left and right guides are provided only on the KV-S4085CW/CL, KV-S4065CW/CL, KV-S5055C, and KV-S7075C.

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-S3105C, KV-S3085,
KV-S4085CW/CL, KV-S4065CW/CL,
KV-S5055C, KV-S3065CW/CL,
KV-S7075C, KV-S1045C, KV-S1025C



Excellent versatility

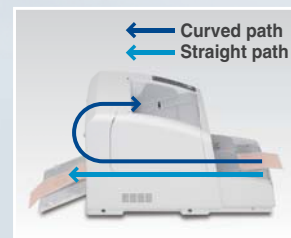
Unique Technology

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-S3105C, KV-S3085,
KV-S4085CW/CL, KV-S4065CW/CL,
KV-S5055C, KV-S3065CW/CL,
KV-S7075C, KV-S2048C, KV-S2028C
[Straight path]
KV-S3105C, KV-S3085,
KV-S4085CW/CL, KV-S4065CW/CL,
KV-S3065CW/CL,
KV-S1045C, KV-S1025C



Maintenance costs and downtime are 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-S3105C, KV-S3085,
KV-S4085CW/CL, KV-S4065CW/CL,
KV-S5055C, KV-S3065CW/CL,
KV-S7075C, KV-S2048C, KV-S2028C,
KV-S1045C, KV-S1025C



Main Features

Prevent scanning mis-feeds

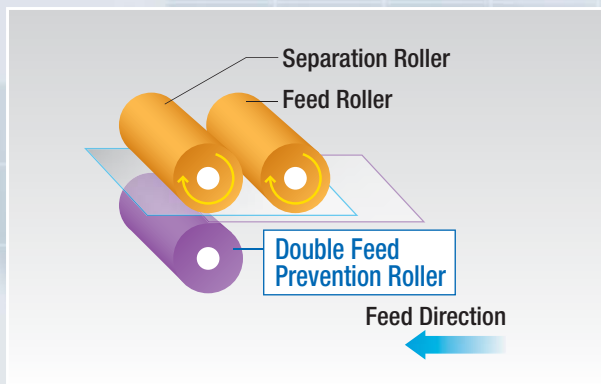
Unique Technology

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-S3105C, KV-S3085,
KV-S4085CW/CL, KV-S4065CW/CL,
KV-S5055C, KV-S3065CW/CL,
KV-S7075C, KV-S2048C,
KV-S2028C, KV-S1045C,
KV-S1025C



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-S3105C, KV-S3085,
KV-S4085CW/CL, KV-S4065CW/CL, KV-S5055C,
KV-S3065CW/CL, KV-S7075C, KV-S1045C, KV-S1025C

Raises filing efficiency

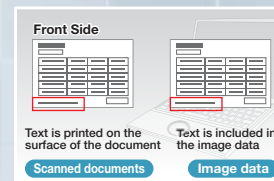
Unique Technology

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.

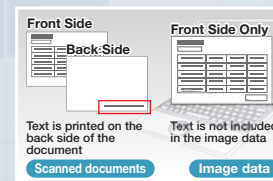
What's a pre-imprinter?

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, KV-S3065CW/CL
[Pre] KV-S5055C, KV-S7075C, KV-S2048C
[Post] KV-S3105C, KV-S3085

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-S5055C, KV-S3105C*

*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-S3105C, KV-S3085, KV-S4085CW/CL, KV-S4065CW/CL, KV-S5055C,
KV-S3065CW/CL, KV-S7075C, KV-S2048C, KV-S2028C



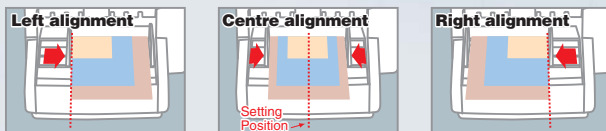
Easy scanning of mixed size documents

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-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-SS080

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

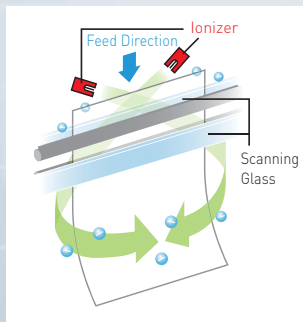
Eliminates the need for maintenance

Unique Technology

Self Cleaning Functions

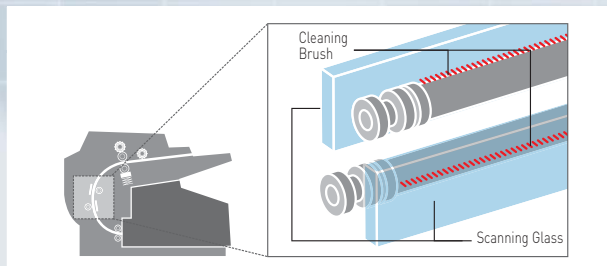
Ionizer

The ion-filled breeze created by the ionizer neutralizes 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.



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-S5055C

Resume scanning even when double-feeding is detected

Unique Technology

Double Feed Skip (DFS) Key

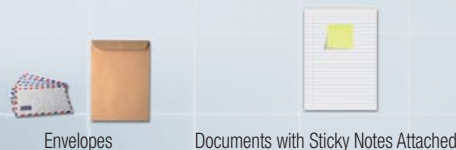
The paper feed rollers separate from the paper each time a sheet is fed, so the tendency to double-feed caused by the paper feed roller pressure is reduced, even when feeding paper of different thicknesses. Any paper sliding is also detected and the double feed prevention roller pressure is adjusted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

Applicable Models

KV-S5055C



Documents for Which Scanning Shouldn't Be Stopped Even When Double-Feeding Is Detected



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-S2048C, KV-S2028C, KV-S1045C, KV-S1025C

Angled for easy paper feeding

Universal Design

Detachable Stand

The detachable stand is a standard feature, and can be used or detached to match the application and available space. When the scanner is installed facing forward with the stand attached, the angled paper feed section simplifies document setting. When installed in its more compact configuration, facing crosswise with the stand detached, long documents can easily be set in position.

With stand



Without stand



Applicable Models KV-S1025C

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-S1045C, KV-S1025C



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-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 minimises damage to both the document and the optical glass.

Staple position example



Corner Staple



Side Staple



Top-centre Staple

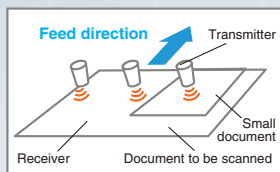


Bottom-centre Staple

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.



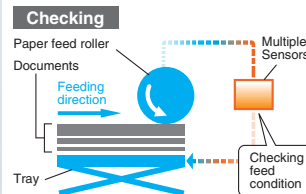
High-performance sensors catch even subtle changes.

*The KV-S4065CW/CL and KV-S5055C have only one ultrasonic sensor.

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.



Multiple sensors constantly check the condition of the paper feed and the pressure between the document and the roller.

Adjusting



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



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-S5055C

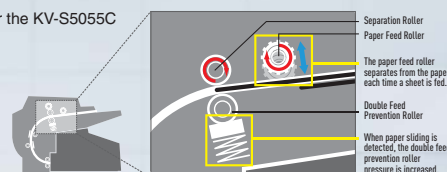


Image Processing Functions

Panasonic high-speed scanners are bundled with Image Capture Plus*¹ software or Reliable Throughput Image Viewer*² (RTIV) software, which both include a variety of image processing functions. These software applications let you efficiently create high-quality image files with simple PC operation.

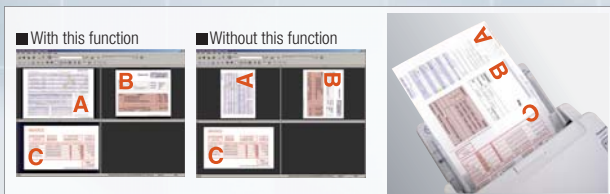
*¹ Image Capture Plus is bundled with the KV-S5055C. Image Capture Plus is not sold alone.

*² RTIV is bundled with the KV-S3105C, KV-S3085, KV-S4085CW/CL, KV-S4065CW/CL, KV-S3065CW/CL, KV-S7075C, KV-S2048C, KV-S2028C, KV-S1045C, and KV-S1025C. RTIV is not sold alone.

No more worries about the document's direction

Automatic Image Orientation

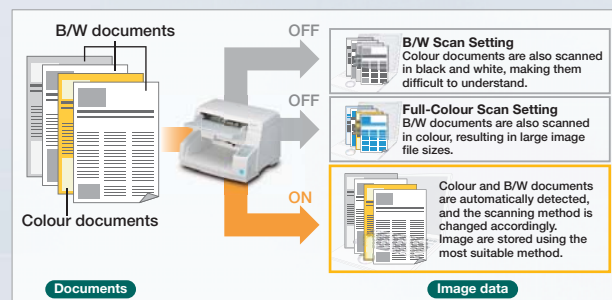
Even when documents are set in different directions, this function detects the direction of the scanned text in documents and automatically rotates it into the correct direction. This boosts work efficiency by eliminating the need to change the direction of each page in advance when scanning large quantities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



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.

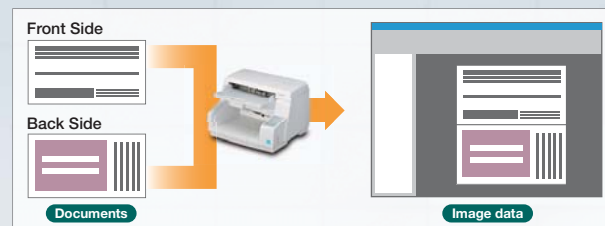
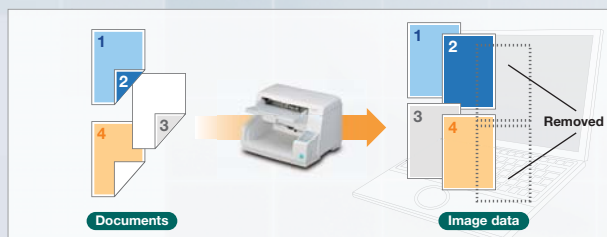


Image Processing Functions

You can convert only the desired pages into electronic form

Blank Page Removal

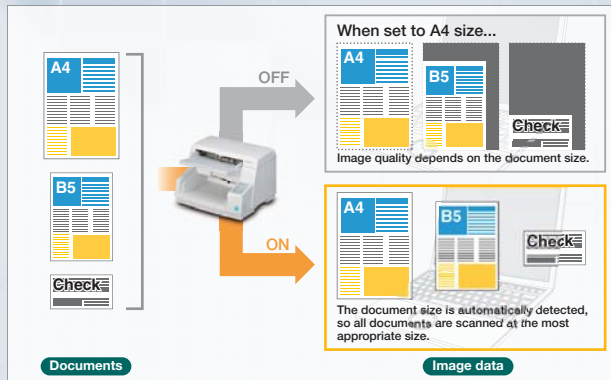
When scanning a set of documents that contains both single-sided and double-sided sheets, this function automatically skips over the blank sides. It saves you time and trouble by eliminating the need to sort the sheets beforehand or remove the blank data after scanning. It also helps reduce wasted memory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



No more scan mistakes or time-consuming trimming

Automatic Crop

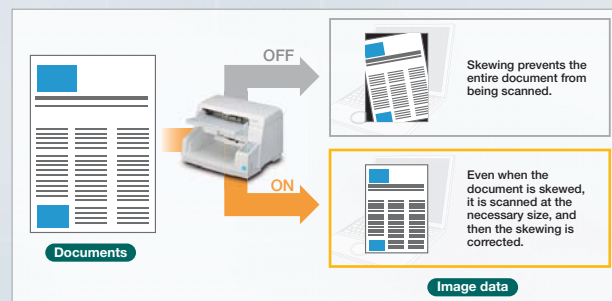
Different sized documents can be scanned each according to its own size. This raises work efficiency by preventing size setting mistakes and eliminating the need to later crop scans to the desired size.



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.



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.

*Not applicable for the KV-S2048C, KV-S2028C.

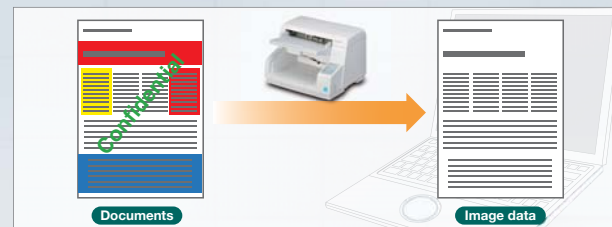


Image Processing Functions

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.

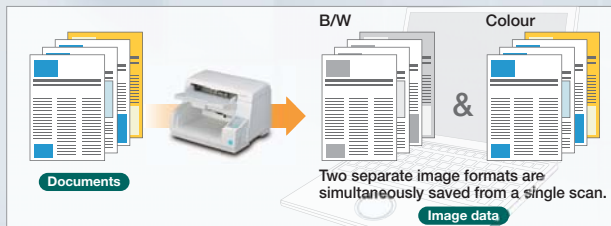


Single pass for dual output

Multi Stream*

The Multistream 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.

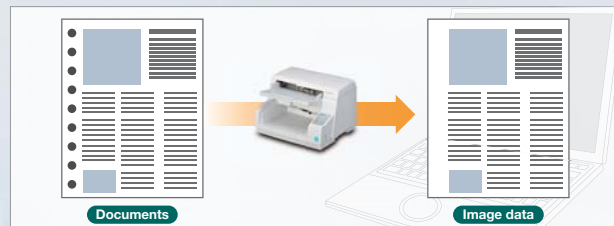
*Not applicable for the KV-S2048C, KV-S2028C.



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.

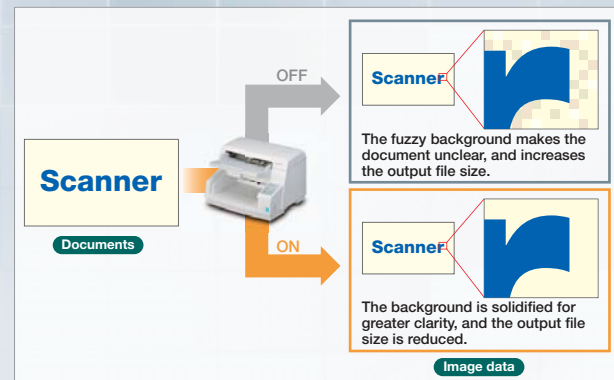


Image Processing Functions

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.

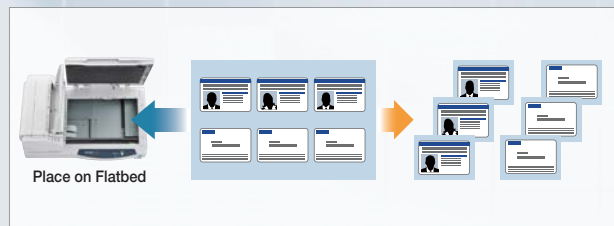
* Divided lengthwise or crosswise. The length of the scanned document is divided in half. The division is not based on the content of the document.



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.

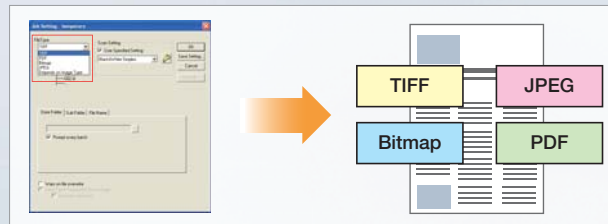


Easy Data Management

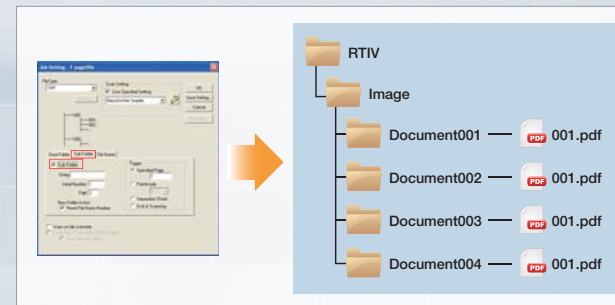
Job Function

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 2000	Win XP	Win XP (64bit)	Win Vista	Win 7
KV-S3105C KV-S3085	USB 2.0	Yes	Yes	No	Yes	Yes
KV-S3065CW KV-S3065CL	SCSI	Yes	Yes	No	Yes	No
KV-S7075C KV-S4085CW KV-S4085CL KV-S4065CW KV-S4065CL KV-S2048C KV-S2028C KV-S1045C KV-S1025C		Yes	Yes	No	Yes	Yes
KV-S5055C		No	Yes	No	Yes	Yes

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-S3105C, KV-S3085,
KV-S4085CW/CL, KV-S4065CW/CL,
KV-S5055C, KV-S3065CW/CL,
KV-S7075C, KV-S2048C,
KV-S2028C, KV-S1045C,
KV-S1025C

VRS Version: VRS 4.50 SP1
Kofax Express Version: 2.0 SP1

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 recommended Daily Duty Cycle for Panasonic Scanners?

Model #	Recommended Daily Duty Cycle (sheets/day)
KV-S3105C	Unlimited
KV-S3085	Unlimited
KV-S4085CW KV-S4085CL	up to 40,000
KV-S7075C KV-S4065CW KV-S4065CL	up to 20,000
KV-S5055C KV-S3065CW KV-S3065CL	up to 10,000
KV-S2048C	up to 6,000
KV-S2028C	up to 4,000
KV-S1045C KV-S1025C	up to 2,000

This information is for your reference to select a model from the product lineup. It does not indicate a durability of each model.

Q What is the MTBF for Panasonic Scanners?

A 18,000Hours (Only for Electric Parts)

FAQ (3)

Q

What is recommended replacement cycle for each roller exchange kit?

A

Model #	Roller part #	Recommended replacement cycle	
KV-S4085CW KV-S4085CL KV-S4065CW KV-S4065CL	KV-SS033	400,000 sheets scanning	
KV-S5055C	KV-SS039	350,000 sheets scanning	
KV-S3105C KV-S3085	KV-SS026 KV-SS027	300,000 sheets scanning	
KV-S3065CW KV-S3065CL	KV-SS017 KV-SS018		
KV-S7075C	KV-SS015		
KV-S2048C KV-S2028C	KV-SS024 KV-SS025		
KV-S1045C KV-S1025C	KV-SS035	Double-feed prevention roller	100,000 sheets scanning
		Paper feed roller	100,000 sheets scanning

Q

How often should I clean the scanner paper feed rollers?

A

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

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.

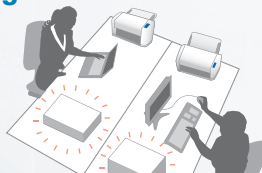
recommended that the paper feed rollers are cleaned on a daily basis. Treated papers, like NCR paper, contain chemicals that cause rollers to deteriorate at an accelerated rate, requiring roller replacement much sooner than scheduled. A good daily cleaning of the paper feed rollers with isopropyl alcohol will help to prolong the life of the rollers in this harsh environment.

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 Deskside 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-S2048C, KV-S2028C, KV-S1045C, KV-S1025C

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.

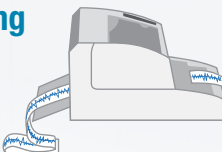


Applicable Models

KV-S1045C, KV-S1025C

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-S3105C, KV-S3085, KV-S4085CW/CL, KV-S4065CW/CL, KV-S5055C, KV-S3065CW/CL, KV-S7075C, KV-S1045C, KV-S1025C

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-S5055C

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.

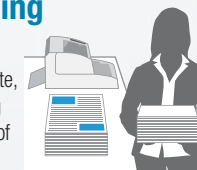


Applicable Models

All Models

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-S3105C, KV-S3085, KV-S4085CW/CL, KV-S4065CW/CL, KV-S5055C, KV-S3065CW/CL

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-SS080(A4)

Choose by Business Type

01- Health Care

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.



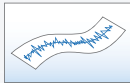
D Ultrasonic Double-Feed Detection

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-S5055C

A B C D E F

KV-S2048C
KV-S2028C

A B C D E F

KV-S1045C

A B C D E F

KV-S1025C

A B C D E F

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 that deal with huge amounts of customer information. 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-S3105C
KV-S3085

A B C D E

KV-S4085CW/CL
KV-S4065CW/CL

A B C D E

KV-S5055C

A B C D E

KV-S3065CW/CL

A B C D E

KV-S7075C

A B C D E

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. * KV-S3085 is required optional Colour Upgrade Kit.



H Flatbed Scanning

For scanning books, drawings, and other special documents.



Recommended Models

KV-S3105C
KV-S3085

A B C D E F G H

KV-S4085CW/CL
KV-S4065CW/CL

A B C D E F G H

KV-S5055C

A B C D E F G H

KV-S3065CW/CL

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-S3105C
KV-S3085

A B C D E F

KV-S4085CW/CL
KV-S4065CW/CL

A B C D E F

KV-S5055C

A B C D E F

KV-S3065CW/CL

A B C D E F

KV-S7075C

A B C D E F

KV-S2048C
KV-S2028C

A B C D E F

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.



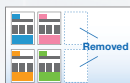
C ToughFeed

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-S3105C
KV-S3085

A B C D

KV-S4085CW/CL
KV-S4065CW/CL

A B C D

KV-S5055C

A B C D

KV-S3065CW/CL

A B C D

06- Office

The General Affairs Department and Legal Department of a company regularly handle contracts and application forms containing personal information and confidential company information as well as documents related to intellectual property, while the Accounting Department manages customer information and internal-use-only documents pertaining to company management on a daily basis. Converting these documents into digital data by using a scanner not only allows more effective use of office spaces 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-S5055C

A B C D E F

KV-S7075C

A B C D E F

KV-S2048C
KV-S2028C

A B C D E F

KV-S1045C
KV-S1025C

A B C D E F

Options and Consumables

Options and Consumables

KV-S3105C, KV-S3085	
Roller Exchange Kit	KV-SS026 KV-SS027 (for thin paper)
Roller Cleaning Paper	KV-SS03
Imprinter Unit (Post)	KV-SS028
Ink Cartridge	KV-SS021
Colour Upgrade Kit	KV-SS029 (KV-S3085)
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-SS080
KV-S5055C	
Roller Exchange Kit	KV-SS039
Roller Cleaning Paper	KV-SS03
Imprinter Unit (Pre)	KV-SS014
Ink Cartridge	KV-SS021
Flatbed Scanner	KV-SS080
KV-S3065CW, KV-S3065CL	
Roller Exchange Kit	KV-SS017 KV-SS018 (for thin paper)
Roller Cleaning Paper	KV-SS03
Imprinter Unit (Post and/or Pre)	KV-SS014
Ink Cartridge	KV-SS021
Flatbed Scanner	KV-SS080
KV-S7075C	
Roller Exchange Kit	KV-SS015
Roller Cleaning Paper	KV-SS03
Imprinter Unit (Pre)	KV-SS014
Ink Cartridge	KV-SS021
KV-S2048C, KV-S2028C	
Roller Exchange Kit	With black sensor rollers: KV-SS024 With white sensor rollers: KV-SS025
Roller Cleaning Paper	KV-SS03
Imprinter Unit (Pre)	KV-SS032 (KV-S2048C)
Ink Cartridge	KV-SS021 (KV-S2048C)
White Roller Kit	KV-SS023
Flatbed Scanner	KV-SS080
KV-S1045C	
Roller Exchange Kit	KV-SS035
Roller Cleaning Paper	KV-SS03
Flatbed Scanner	KV-SS080
KV-S1025C	
Roller Exchange Kit	KV-SS035
Roller Cleaning Paper	KV-SS03
Flatbed Scanner	KV-SS080

Standard Memory Size

Scanner	Preinstalled Memory Size	Additional Memory	
		Spec.	Evaluated Memory
KV-S3105C	256MB	JEDEC-Standard 168pin, dual in-line memory module (DIMM)	EDGE 128,256,512 Kingston 128,256,512
KV-S3085	64MB		
KV-S4085CW/CL	32MB		
KV-S4065CW/CL			
KV-S5055C			
KV-S3065CW/CL	64MB		
KV-S7075C	80MB		
KV-S2048C	64MB	—	—
KV-S2028C	8MB		
KV-S1045C			
KV-S1025C			