SHARP

ESSENTIALS SERIES COLOR DOCUMENT SYSTEMS



The Sharp Essentials Series color document systems deliver strong value, enhanced integration, and powerful productivity.

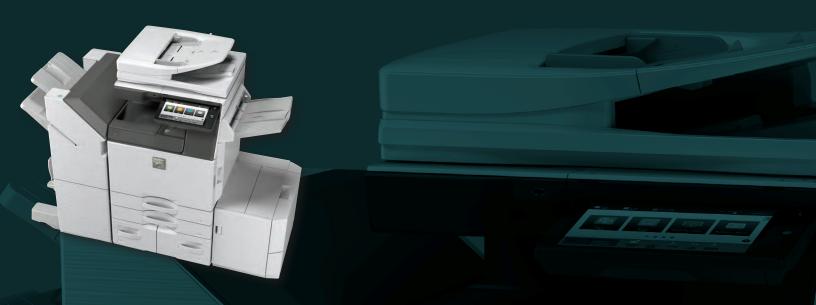
THE NEW BENCHMARK OF INNOVATION

The Sharp MX-3050N, MX-3550N, and MX-4050N Essentials Series color workgroup document systems offer stunning color output with exceptional ease of use. These new models are designed to provide customers with a seamless, intuitive experience, and the confidence in knowing their jobs will come out right the first time, every time. The new color Essentials Series focuses on value as well as user operability, and draws inspiration from the latest networking and imaging technologies available today, all to create a document system that delivers the productivity you need, with the reliable performance you want.

Key Features

- Ease of Use Sharp's customizable touchscreen display offers a user-friendly graphical interface
 with a clean design, simplified Easy Modes, and integrated operation guide.
- Integration Available Sharp OSA[®] modules enable easy integration with network applications and cloud services, which can unlock advanced capabilities to help you better manage your workflow.
- Productivity Standard full multifunction capability out-of-box, including copying, PCL[®] 6 network
 printing and color network scanning, combines with an easy-to-use graphical interface and a 10-second
 warm up time to offer unmatched value.

The MX-3050N, MX-3550N, and MX-4050N color Essentials Series offer customers powerful multitasking features enabling them to quickly execute the ever-changing workflow tasks of today's busy office environments. And with Sharp's industry-leading security features, you can rest assured that your intellectual property is protected from the first day of operation to the time of trade-in.



DESIGNED TO DELIVER PERFORMANCE AND PRODUCTIVITY



EASY-TO-USE

ENHANCED INTEGRATION

VERSATILE PRODUCTIVITY

A flexible design plus multifunctional capability allow you to meet tomorrow's document needs today.

- Network-ready PCL 6 and available true Adobe[®] PostScript[®] 3[™] printing systems combined with available DirectOffice technology lets you direct print PDFs, select Microsoft Office formats, and more!
- Available wireless networking feature can connect directly to your network or to mobile
 devices for convenient printing and scanning with the Sharpdesk[®] Mobile App.
- Large 10.1" (diagonally measured) **customizable touchscreen display** with a clean design enables easy access to features and functions when setting up jobs.



- Easily access popular cloud applications, including Microsoft[®] OneDrive[™] for Business, SharePoint[®] Online, and Google Drive[™] with Sharp's available Cloud Connect features.
- Pantone Licensing on these models offers unprecedented levels of color fidelity to the PANTONE MATCHING SYSTEM[®].
- Cloud Portal Office, an available content management software service from Sharp for storing and sharing scanned documents and other electronic files, helps keep your whole team connected.
- Standard 100-sheet reversing single-pass document feeder scans documents at speeds up to 80 images per minute (ipm).
- Sharp's Color Consistency System with next generation image process control delivers highquality color output and maintains optimum color balance and toner density page after page.
- Flexible paper handling system supports media up to 110 lb. cover (300 gsm) and up to 12" x 18" through the paper trays, allowing you to print on a wide variety of media.
- 600 x 600 dpi printing provides clear, crisp images and enhanced clarity for fine details such
 as small text and graphics.



Provides up to six paper sources with available 550 + 2,100-sheet split tandem paper drawers and 3,000-sheet large capacity cassette.



ENHANCED FUNCTIONALITY - INTUITIVE DESIGN



Easy Copy Screen offers the most commonly used settings.



Standard Copy Screen offers more advanced features.



Available wireless network interface for convenient scanning and printing from mobile devices.

From paper handling to networking, the MX-3050N, MX-3550N, and MX-4050N color Essentials Series will exceed your expectations.

Simple and Intuitive Operation

From the most basic of copy functions, to the most complex scan jobs, the color Essentials Series will perform them with ease and efficiency. Use one of the **Easy Modes** for fast, simple operation, with basic functions displayed in **large, clearly-labeled tiles** and keys. And for more advanced features, just touch the "Details" button—it's that easy.

A "Well-connected" Device

Connecting a multifunction printer (MFP) to your wireless network and accessing it from mobile devices has never been so easy with the color Essentials Series' available wireless networking features. Print from or scan to popular cloud services such as Microsoft OneDrive for Business, SharePoint Online, and Google Drive with Sharp's Cloud Connect features.* Single Sign-on (SSO) support for accessing these services makes scan-to-folder and scan-to-email operations simpler than ever. Even printing from your desktop is made easier with Sharp's standard Serverless Print Release function. Easily send a job to one device, and print it on another where it's most convenient for you.

The Productivity You Need, the Performance You Want

When it's time to get the job done, the Essentials Series color document systems are outstanding performers. Quickly scan documents at speeds up to **80 images per minute**. Then use the **manual stapling feature** on select finishers to restaple your originals. **Multiple finishing options** give you the output you require, be it stacked, stapled, or saddle-stitched. There's even an available built-in **stapleless staple** feature, which can bind up to five sheets of paper by adding a crimp to the corner of the set, saving regular staples for larger sets.



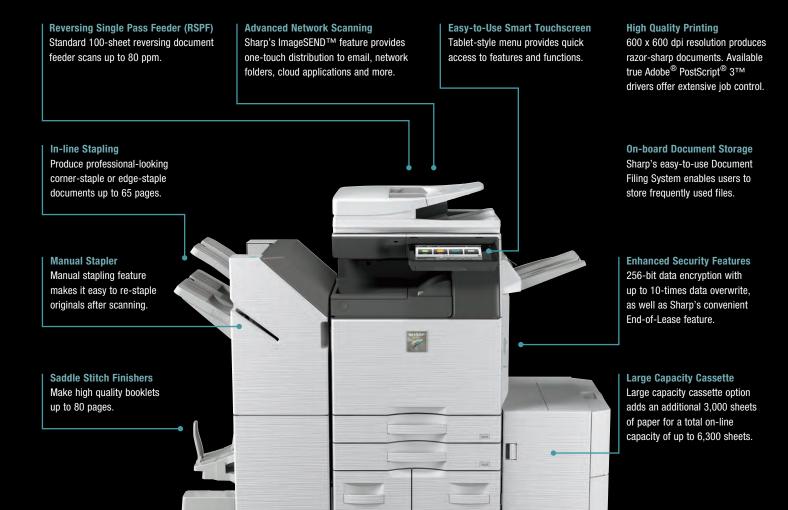


MX-4050N shown with 3K saddle stitch finisher and large capacity cassette.

^{*}Some features require optional equipment.

The MX-3050N/3550N/4050N Essentials Series color document systems provide high-performance functionality adaptable to your business needs.

innovative features



Color
Consistency
System

Micro-Fine
Toner Technology
Developer Auto
Refresh Process
Real-Time
Process Control

Sharp's Color Consistency System combines Micro-fine Toner with Developer Refresh and advanced Image Process Control. These processes help ensure color output is always at peak performance.

Advanced Finishing

Sharp gives you a choice of five high-performance finishers to give your documents a professional look. Choose from a compact inner finisher to a high capacity, floor-standing saddle stitch finisher.

Flexible Paper Handling

Paper drawers feed up to 12" x 18" and support media up to 300 gsm. 550-sheet capacity makes it easy to reload a full ream of paper. A high capacity split tandem drawer is also available.



ENHANCED COLLABORATION FOR STREAMLINED WORKFLOWS



Direct print to popular file formats seamlessly with Sharp's available direct print expansion kit.¹



Distribute, access and print documents more easily.



With Serverless Print Release technology you can securely print a job and release it from any of five color Essentials Series models.

Powerful document workflow solutions help you work more efficiently.

Simplify Printing Your Files with Direct Printing

With the available Direct Print Expansion Kit, you can print popular file formats including **Microsoft Word, PowerPoint**, and **Excel**, as well as a variety of PDF formats from thumb drives, cloud applications, and mobile devices.¹ This function is enabled via **DirectOffice™** technology. With this much flexibility, you can speed through your workflow tasks faster than ever!

Distribute, Access and Print Your Documents with Ease

Sharp makes it easy to send documents to the destinations you need and goes beyond traditional network scanning with standard Cloud Connect features. Easily scan documents to Microsoft OneDrive for Business, SharePoint Online, and Google Drive without additional middleware. You can also print from these cloud applications. With Single Sign-On capability, accessing them is virtually seamless! Sharp also makes it easy to collaborate and share documents with available Cloud Portal Office document storage and sharing service. Capture, index, and archive your documents easily and securely.

Scan and Print Files Easily from Mobile Devices

The Essentials Series color document systems also make it easy to scan and print files from tablets and smart phones using **Sharpdesk® Mobile**, a free downloadable app available for most common mobile devices.² The color Essentials Series also supports popular mobile technologies such as **MopriaTM**, **AndroidTM printing framework** and **Google Cloud PrintTM**.³ You can print locally from your device or download files from supported cloud applications. Since the color Essentials Series can connect to mobile devices through a **point-to-point wireless connection**, there is no interference with your corporate network!.¹

Flexible Printing Solutions Help Speed Up Your Office Productivity

The color Essentials Series offer standard PCL® 6 and optional true Adobe® PostScript® 3TM printing systems to help you speed through all of your output needs with accuracy. To help streamline your jobs, these powerful performers include Serverless Print Release technology, enabling you to securely print a job and release it from up to five color Essentials Series models on your network. And with Google Cloud Print web printing service, you can print from ChromebookTM notebook computers, PCs and more from virtually anywhere.

Simplify Complex Business Workflows

Sharp OSA® technology can help your business leverage the power of your network applications, back-end systems and cloud services.¹ Easily automate complex processes and help eliminate redundant tasks. Create your own custom integrations or take advantage of the growing portfolio of Sharp OSA applications available from Sharp Partner Program members.

¹ Some features require optional equipment and/or software/services.

² Go to www.sharpusa.com for a list of supported devices and operating systems.

³ Available early 2016.

TAKING CARE OF BUSINESS SAFELY AND SECURELY

Manage your device, help safeguard your data, help protect your business.

Businesses require that the devices on their networks are properly managed and closely monitored to ensure their data remains uncompromised. To help achieve this, the MX-3050N/3550N/4050N Essentials Series offer powerful device management utilities, web-based customer training, and advanced, multi-layered security features.

With the **Sharp Remote Device Manager** (**SRDM**)*, administrators can take control of system features and simplify installation and management. SRDM makes it easy to view service logs, click counts, history reports and more. Its event-driven service alerts help you monitor the device and maximize uptime. The **Remote Front Panel** feature allows administrators to view and control the machine's LCD panel from a PC to troubleshoot issues and train operators remotely. Sharp also offers both **built-in** and additional **auditing hardware and software to control, access, and track usage** of each device on the network.* And with **My SharpTM**, you get a dedicated training website customized to your model and configuration to help you understand and utilize all of the advanced features of your **SHARP**. Sharp product, including those for security.



To help protect employees' privacy and intellectual property, the color Essentials Series is armed with a variety of security measures, including features such as data encryption, data overwrite protection, and data erase. Multiple security protocols help restrict access to the device while in operation, and a convenient End-of-Lease feature overwrites all data at time of trade-in. Authority Groups help manage and restrict specific copying, printing, scanning, and fax features to safeguard data and control costs. The Admin Audit Log feature allows IT administrators to track activity on the device. Confidential Printing and Secure Fax Release help ensure that sensitive documents are kept safe by requiring users to enter a PIN code in order to print them.

These scalable security offerings aim to **protect your intellectual property**, preserve confidential information and help your business meet regulatory requirements including the Health Insurance Portability and Accountability Act (HIPAA) and the Family Educational Rights and Privacy Act (FERPA). For additional information visit: www.sharpusa.com/security.

*Some features require optional equipment and/or software.



ENVIRONMENTAL COMMITMENT









An Environmentally Responsible Approach to Product Design

Sharp is committed to environmental sustainability and corporate responsibility including planning, design, manufacturing, distribution and product end-of-life management. Sharp adheres to Green Products Guidelines in pursuit of these commitments. These guidelines include designing products that consume less power, using recycled materials, reducing the amount of material used in products and packaging, and labeling the type of materials used. Sharp also aims to design products that are upgradable, easy to repair, and easy to take apart for recycling.

The MX-3050N/3550N/4050N document systems are ENERGY STAR® qualified and RoHS compliant to restrict the use of hazardous substances. These products also have the lowest TEC value among competitive models, at time of this printing. Sharp MFPs are EPEAT® registered.



Toner Recycling Program

As part of our commitment to helping preserve the environment, Sharp offers our customers zero-waste-to-landfill recycling for Sharp consumables, including cartridges, bottles, toner collection containers and drum units. Sharp encourages customers to recycle their used Sharp toner cartridges in bulk by providing a pre-paid recycling kit for their return to our facility.

Environmental Leadership

As a testament to our commitment to the environment, Sharp is a multi-year winner of the ENERGY STAR annual Excellence in Energy Proficiency Product Design. Sharp is also a multi-year winner of the SmartWay[®] Excellence Award which recognizes companies for conserving energy and lowering greenhouse gas emissions in logistics and transportation.

For more information about Sharp's environmental leadership including information about energy efficient products, electronics or toner cartridge recycling, please visit www.sharpusa.com/environment.

MX-3050N/3550N/4050N SPECIFICATIONS

Main Specifications				Main Specifications (continued)		Network Scanning System (continued)		
MX-3050N/3550N/ 4050N					Flash ROM with local (USB), network update capability and firmware update 1 to N with SRDM (Sharp Remote Device Manager)	Max. Jobs Network Protocols	Up to 100 s TCP/IP and SSL (includes HTTP, SMTP, LDAP, FTP, POP3), SMB, ESMTP and 802.1x	
Tuno	tray. Black and color develo	per is included.		Device Setup	Web-based management/cloning with user/administrator	Network Security	Email server user authentication for LDAP and	
Type Display	Color multi-function digital document system 10.1" (diagonally measured) color dot matrix high-resolution touch panel tilting display. 1024 x 600 dots (W-SVGA)			Service/Functions	level login Remote Front Panel, remote access to service logs and click counts	Software	Active Directory Sharpdesk® desktop personal document management software (1 user license included), Sharpdesk Mobile	
Functions	Copy, print, network print, ne	twork scan, docun	nent filing and fax ¹	Accessibility	Free stop tilting front panel, adjustment of key touch sound		(download)	
Copy System	Dry electrostatic transfer/Dual component developer/ Magnetic brush development/OPC drums/Belt fusing/white			Features	and speed, concave key, document feeder free stop, job programs, remote front panel, universal grip for paper trays,	Direct Print Expar		
LED exposure Originals Sheets and bound documents				Environmental	and disable screen timeout International Energy Star Program Ver. 2.0, European RoHS,	File Types	TIFF, JPEG, PCL, PRN, TXT, PNG, DOCX, XLSX, and PPTX Optional: PDF, Compact PDF, Encrypted PDF, and PostScript	
Max. Original Size		11.5		Standards	Blue Angel (RAL-UZ171)	Methods	FTP, SMB, Web page, Email and USB memory	
Copy Size	Min. 5½" x 8½", Max. 11" x 17" + 12" x 18"			Power	AC 110-127 VAC, 60 HZ, 12 Amps	Michious	111, OND, Web page, Email and Gob memory	
Copy Speed	30/35/40 ppm B&W/Color (8½" x 11")			Power	1.44 kW or less	Optional Equipme	nt	
Multiple Copy	Max. 9,999 copies	,		Consumption		MX-60ABD	Deluxe Copier Cabinet Base (with front door)	
First Copy Time	MX-3050N	MX-3550N	MX-4050N	Weight	Approx. 173 lbs.	MX-DE25	Stand/1 x 550-sheet Paper Drawer	
Seconds ²	Platen Glass Mono 4.7	Mono 4.7	Mono 4.7	Dimensions	Approx. 24" (w) x 26" (d) 33" (h)	MX-DE26	Stand/2 x 550-sheet Paper Drawers	
	Color 6.7	Color 6.7 Color 6.7 Mono 7.6 Mono 7.6			MX-DE27	Stand/3 x 550-sheet Paper Drawers		
	RSPF Mono 7.6			Network Printing S		MX-DE28	Stand/1 x 550 + 2,100-sheet Split Tandem Paper Drawers	
	Color 9.7	Color 9.7	Color 9.7	PDL	Standard PCL® compatible 6, optional Adobe®	MX-LC17	3,000-sheet Large Capacity Cassette	
Warm Up Time	10 seconds or less	namba (naikii	ant fands	Deceluli	PostScript® 3™	MVITAG	(letter, requires MX-DE25/26/27/28) ⁵	
Magnification	25% to 400% in 1% increm 25% -200%)	ients (with docum	ient ieeuef	Resolution Print Speed	600 x 600 dpi 30/35/40 pages per minute (8½" x 11")	MX-LT10 MX-FN27	Long Paper Feeding Tray 50-sheet Staple Inner Finisher	
Original Feed	100-sheet RSPF with origin	al size detection		Print Drivers	Windows Server® 2008, Windows Server 2008 x64, Windows	MX-FN28	1K Stacking 50-sheet Staple Finisher	
Scan Speed	Copy: Up to 80 ipm (B&W)/4			. Time Drivers	7, Windows 7 x64, Windows 8.1, Windows 8.1 x64, Windows	MX-FN29	1K Stacking 50-sheet Staple/Saddle Stitch Finisher	
Scall Speeu	Scan: Up to 80 ipm (B&W/Color)				Server 2012 x64, Windows 10, Windows PPD, MAC OSX®	MX-FN30	3K Stacking 65-sheet Staple Finisher ⁵	
Original Sizes	5½" x 8½", 8½" x 11", 8½		14", 11" x 17"		(including 10.4 to 10.11), all MAC PPD, UNIX®, Linux®	MX-FN31	3K Stacking 65-sheet Staple/Saddle Stitch Finisher ⁵	
Paper Capacity	Standard: 650 Sheets/Maximum: 6,300 Sheets			Features	Auto configuration, serverless print release, bar code	MX-RB25	Paper Pass Unit (required for MX-FN28/29/30/31)	
Paper Feed	Standard: (1) 550-sheet paper drawer (letter/legal/ledger/				font printing, carbon copy print, chapter inserts, color	MX-PN14B	3-Hole Punch Unit (requires MX-FN27)	
System	statement size) and 100-sh	eet bypass tray (le	etter/legal/ledger/		adjustment settings, color mode, confidential print,	MX-PN15B	3-Hole Punch Unit (requires MX-FN28/29)	
	statement/envelope size). Optional: Single, double, or triple				continuous printing, custom image registration, different	MX-PN16B	3-Hole Punch Unit (requires MX-FN30/31) ⁵	
	drawer paper deck (550, 1,		,, ,		cover page/last page/other page, document control,	MX-SCX1	Staple Cartridge for MX-FN27/28/29	
	paper drawer (2,100 sheets letter only) plus (1) 550-sheet				document filing, duplex printing, electronic sorting, folding,	AR-SC2	Saddle-stitch Staple Cartridge for MX-FN29	
Paper Weights	paper drawer (letter/legal/ledger/statement size). Paper drawers: 18 lb. bond to 110 lb. cover.				form overlay, hidden pattern print, image rotation, image	MX-SC11	Staple Cartridge for MX-FN30/31	
			4		stamp, image type, job bypass print, job retention, layout print, margin shift, multiple pamphlet, network tandem	MX-SC12 MX-TR19	Saddle-stitch Staple Cartridge for MX-FN31 Right Side Exit Tray	
and Types	Split Tandem Tray: 18 lb. bond to 28 lb. bond. Other paper types include plain, pre-printed, recycled,				print, N-up printing, offset stacking, page interleave,	MX-TR19	Job Separator Tray	
	pre-punched, letterhead and color paper.				pamphlet style, poster print, proof print, print and send,	MX-TU16	Center Exit Tray	
	Bypass tray: 16-28 lb. bond (plain paper), 13-16 lb. bond				punching, stapling, tab paper print, tab printing, toner	MX-EB11	Compact PDF Kit	
	(thin paper), 28 lb. bond-110 lb. cover (heavy paper), 20-24				save mode, transparency inserts, tray status, user	MX-EB18	Wireless LAN	
	lb. bond (Monarch/Com-10	envelope), tab pa	per (letter). Also		authentication, watermarks, zoom print	MX-FX15	Fax Expansion Kit	
	label paper, gloss paper, pr	e-printed, recycle	d, pre-punched,	Resident Fonts	80 outline fonts (PCL), 139 fonts (PS)	MX-FWX1	Internet Fax Kit	
	letterhead, color paper and OHP film.			Interface	RJ-45 Ethernet 10/100/1000 Base-T, USB 2.0, Wireless	MX-PF10	Bar Code Font Kit	
Duplexing	Standard automatic duplex copying and printing			Operating Systems	Windows Server 2008, Windows Systems 7, Windows 8,	MX-PK13	Adobe® PostScript® 3™ Expansion Kit	
CPU		Up to 1.75 GHz multi-processor design			Mac OS X10.4-10.11, Novell® NetWare®, Unix, Linux, Citrix®,	MX-PU10	Direct Print Expansion Kit	
Interface	RJ-45 Ethernet (10/100/1000 Base-T), USB 2.0: 2 host ports (front and rear), 1 device port (rear)			Network Protocols	and SAP device types 1	AR-SU1 AR-SV1	Stamp Unit (requires AR-SV1 Stamp Cartridge)	
Memory	Standard 5 GB copy/print (shared)/Hard Disk Drive: 250 GB				TCP/IP (IPv4, IPv6, IPSEC) TLS (HTTP, IPP, FTP), SNMPv3, SMTP, POP3, LDAP, 802.1x for Windows and Unix. LPD and	MX-AMX1	Stamp Cartridge Application Integration Module	
Hard Disk Drive	250 GB				LPR for Unix. AppleTalk® for Macintosh® environments.¹	MX-AMX2	Application Communication Module	
Copy Resolution	Scan: 600 x 600 dpi (B&W/	Color)		Printing Protocols	LPR, IPP, IPPS, PAP, Raw TCP (port 9100), FTP, POP3, HTTP,	MX-AMX3	External Accounting Module	
	Copy Output: Up to 600 x 6			3	and Novell Pserver/Rprinter	MX-FR51U	Commercial Data Security Kit (not available at time of launch)	
Color Modes	Auto Color Selection (ACS), F		lonochrome (B/W)	Network Security	IP/MAC address filtering, protocol filtering, port management,	DVENDFS	Generic Vendor Interface Kit	
Exposure Control	Modes: Automatic, Text, Te				user authentication and document administration ¹			
	Printed-Photo, Photo, Map, Pale-Color Document.			Security Standards	DoD (NSTISSP) #11	Supplies		
	Settings: Auto or 9 step ma			Notonal C :	Ourter.	MX-60NTBA	Black Toner Cartridge	
Halftone	256 gradations/2 levels (mo		ent atackins	Network Scanning Scan Modes		MX-60NTCA	Cyan Toner Cartridge	
Copy Features	Scan-Once Print-Many, elec			Max. Original Size	Standard: Color, monochrome, grayscale	MX-60NTMA MX-60NTYA	Magenta Toner Cartridge Yellow Toner Cartridge	
	Auto Color Selection (ACS), Auto Paper Selection (APS), Auto Magnification Selection (AMS), Auto Tray Switching (ATS),			Optical Resolution		MX-60NVBA	Black Developer	
	black-white reversal, blank page skip, book copy, book divide,			Output Modes	600 dpi, 400 dpi, 300 dpi, 200 dpi, 150 dpi, 100 dpi	MX-60NVSA	Cyan/Magenta/Yellow Developer	
	card shot, center erase, centering, cover pages, dual page copy,			Image	Monochrome Scanning: Uncompressed, G3 (MH), G4 (MR/MMR)	MX-60NRSA	Drum	
	edge erase, image edit, image preview, insert pages, job build,			Compression	Color/Grayscale: JPEG (high, middle, low)	MX-607HB	Toner Collection Container	
	job programs, margin shift, mirror image, mixed size original, multi-page enlargement, original count, pamphlet style, proof copy, repeat layout, reserve copy, rotated copy, stamp, stamp custom image, suppress background, tab copy, tab-paper insertion, tandem copy, toner save mode, transparency inserts, watermark, 2-in-1 / 4-in-1 / 8-in-1 multi shot			Image Formats Scan Destinations	Internet Fax mode: MH/MMR (option)¹ Monochrome: TIFF, PDF, PDF/A, Encrypted PDF, and XPS Color/Grayscale: TIFF, JPEG, PDF, PDF/A, Compact PDF, Encrypted PDF, and XPS. Internet Fax: TIFF-FX, TIFF-F, and TIFF-S¹ Email, Desktop, FTP, Folder (SMB), USB, Internet fax (option),	¹ Some features require optional equipment. See your local dealer.		
Account Control	Up to 1,000 users. Supports user-number authentication, login name/password or login name/LDAP password			One-touch	Super G3 fax (option) -touch Super G3 fax (option) Up to 2,000 (combined scan destinations) Actual transmission time will vary based on line conditions.		environmental conditions.	
Output Tray	Center Exit Tray (Main): 250 sheets (face down)			Destinations		Based on Sharp Standard Test Chart with approximately 700 characters,		
Capacity	Job Separator (Upper Tray): 100 sheets (face down) Right Side Exit Tray: 100 sheets (face down)			Group Destinations Up to 500 Programs 48 (combined)		letter size in standard resolution.		
	District Other Editor To the Control	/f · · · ·				⁵ Available early 2016.		

















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