KONICA MINOLTA

bizhub 650i / 550i / 450i

A3 Monochrome Multifunctional Printers (MFP)

bizhub i-SERIES

RETHINK IT

650i
BW 65 PPM

550i
BW 55 PPM

450i
BW 45 PPM

Giving Shape to Ideas

2nd Generation bizhub

bizhub i-SERIES

TOMORROW'S WORKPLACE TODAY

A NEW WAY OF WORKING HAS ARRIVED

i-SERIES SIMPLE

SIMPLIFYING WORK

The User Interface has been completely revamped with an operation panel screen with smart-device-style operability. Operation has been simplified by narrowing down functions and screen transitions to frequently-used functions.

Easy-to-use, new operation panel design

The operation panel features a new simple GUI (Graphical User Interface) design. Features such as removal of hard keys and panel vibration feedback emulates familiar smart devices and enable easy use of a variety of IT services. Simplicity of operation has been achieved by concentrating on frequently-used functions to minimise functions and screen transitions.

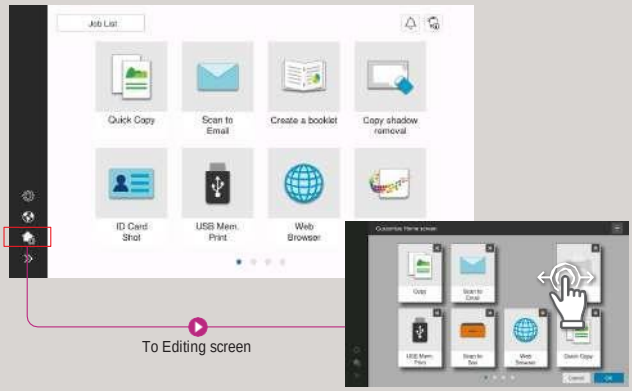
GUI operation panel with a choice of two panel styles

The user can switch between two panel styles as required: the new GUI Basic Style characterised by simple operation, and the conventional Classic Style utilising advanced settings and functions. Basic Style also offers an intuitive Simple Copy screen.

Home screen

The screen is divided into an Information Area and a Main Area which are customisable.

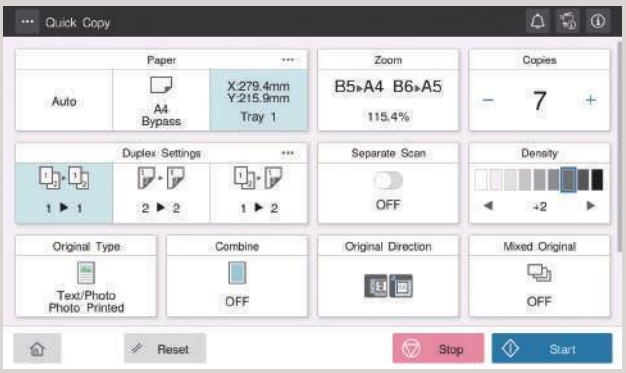
- Information Area: displays information such as settings menu buttons, ID button, and user name while logged in.
- Main Area: access to functions such as copying, faxing and scanning.



Quick Copy screen

The Quick Copy screen easily executes the intended task with minimal screen transitions

- Large buttons allow easy browsing and intuitive operation.
- Options are displayed in a list and can be changed with just one touch.



Delivering Simple, Secure and Convenience to office work
We innovate your businesses, processes and way of working

SIMPLE — **SECURE** — **CONVENIENCE**

Simplifying work

The operation panel design has been updated to reflect familiar smart device operation. It offers the user a smarter way of working.

Thoroughly protecting office information

Improved security of large-volume office data, and paper documents, significantly reduces the burden on IT managers.

Always at the forefront

Konica Minolta's remote services support governance and resolve executive concerns and issues.

Large, user-friendly, 10.1-inch touch panel

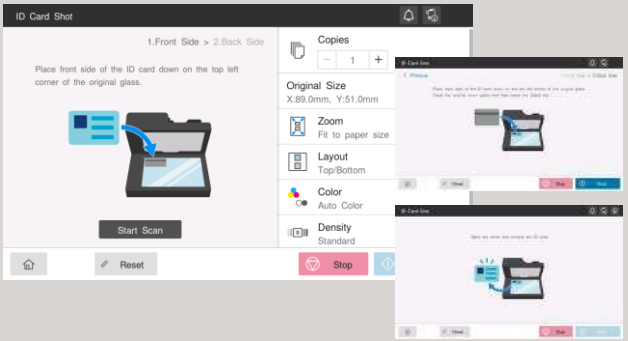
The 10.1-inch panel has been newly developed from the customer's perspective. It delivers better legibility and ease of operation for enhanced work efficiency. The multi-touch feature enables smooth, intuitive, tablet-like operation.

Make tasks simple with purpose-specific apps

The bizhub 650i series simplifies operation with on-screen animated instructions that guide users through tasks. Operations can be performed smoothly in just a few easy steps.

Card shot for ID card copying

Both front and back sides of an ID card can be copied on one sheet of paper in just a few easy steps.



Booklet making

For users who want to create booklets such as magazines.

Non-image area erase function

For users who want to copy with the document cover open, and/or want to omit the shadowy areas around the scanned images of things such as books.

Adjustable tilt operation panel

The operation panel can be freely tilted to a maximum of 90 degrees to suit individual users.

Indicator lights

The bizhub 650i series has been installed with a new LED lights that gently harmonise with the office environment. The LEDs are located on the front of the MFP. The data light indicates data receipt or accumulation, and the print light reminds users to collect documents from the output tray.

Voice guidance

Voice guidance offers support such as reading out fax numbers, explaining major screens and keys, and key-related operations. It also assists panel operation and prevents mis-operation.

This function is only for use in enlarged displays on copy, fax and scan screens. Requires i-Option LK-104 v3, key pad KP-102 and device connection I/F kit EK-608 or EK-609.

Colour Universal Design

Konica Minolta has received Colour Universal Design certification from Japan's Colour Universal Design Organization (CUDO).

In validation tests using subjects with four types of colour-vision deficiencies, (red and green blindness, red and green weakness), CUDO confirmed that regardless of the deficiency, information transmission in colour by this unit functioned correctly.

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THOROUGH PROTECTION OF OFFICE INFORMATION

User authentication, the cloud, and a variety of document data security functions lighten the burden on IT managers facing security issues with large-scale digital data and paper documents.

bizhub SECURE services

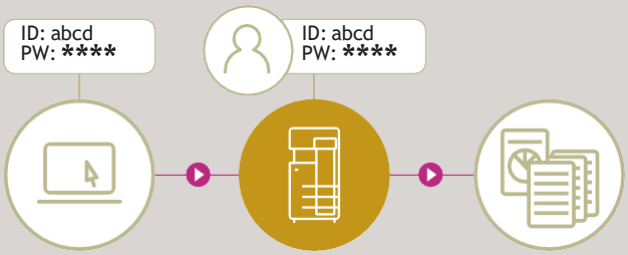
Data protection is a major issue for most companies. bizhub delivers advanced security settings through bizhub SECURE services, a total security setting service that provides greater protection for customer data stored in the SSD and device's network settings.

Encrypted SSD

The bizhub 650i series adopt a new 256 GB encrypted SSD for heightened security functions. With very few device compatibility problems, and with full-time encryption, this constantly maintains a high level of security with no fuss.

Secure printing

By setting a password for documents on the printer driver screen, the document is stored on the MFP's SSD until the correct password is keyed on the operation panel. The document is protected and without being output until the password set for that document is matched. This is useful when you wish to print confidential documents or give permission for limited users to receive copies.



Use PC login user names for easy secure printing

The PC login profile can be used as an ID for secure printing, so the user can print easily and securely once logged in without the trouble of entering his or her ID each time.

Various types of user authentication

Optimal authentication systems can be customised to suit office scale and pre-existing systems. bizhub 650i series also supports single sign-on (SSO) which enhances operability without sacrificing security.

Main unit authentication

Authentication can be performed through the bizhub alone. It is also possible to set detailed usage restrictions for functions, including copy, print, scan and fax*.

*Requires Fax Kit FK-514 option.

Non-contact IC card authentication

Non-contact IC cards*1 such as FeliCa can be used to authenticate users*2. This also supports SSFC (Shared Security Formats Cooperation) specifications which enable integration of staff authentication with authentication systems. Apart from non-contact IC cards, authentication can also be carried out on NFC-compatible Android devices*3.

*1 Non-contact IC cards are compatible with FeliCa (IDm), SSFC, FCF, FCF (Campus) and MIFARE (UID).
*2 Requires the IC card authentication device option.
*3 Requires an Android device later than Android 4.4, compatible with HCE (Post Card Emulation), and Konica Minolta Mobile Print.

Biometric authentication

Highly accurate authentication is possible using finger veins. It's easy, and also enables the building of high-level security systems.

Requires Biometric Authentication Device AU-102 option, and Working Table WT-506 option.

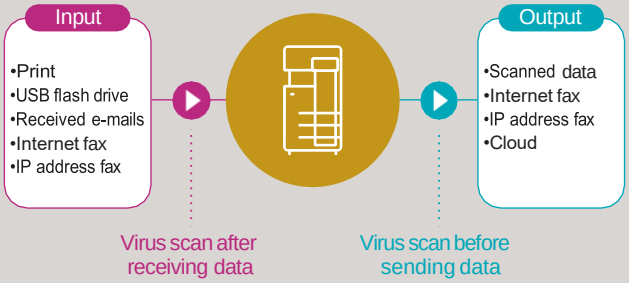
Print light for completed outputs

A white LED print light which shows the printing status has been added. It lights up when printing is completed to remind the user to collect the printed materials, thus minimising the risk of information leaks.

Virus scanning

The bizhub 650i series is equipped with robust antivirus software based on an embedded Bitdefender scan engine to ensure safe connection to devices including PCs, tablets, and USB flash drives. Scanning individual files means a more in-depth virus detection as compared to using whitelist method alone. Latent viruses in the office are discovered through checking and notification when files are received. Checks are also conducted when files are output from the MFP which prevents dissemination of infected files. Further periodic checking of files in the MFP helps to uncover malicious files and detects latent risks in the MFP. Real time virus scan jobs are available for print, scan and fax functions, while manual or scheduled virus scans are possible for folders such as SMB folders on the Box and SSD.

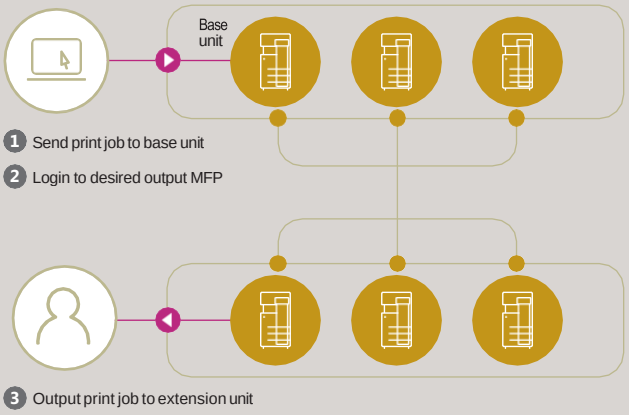
Requires i-Option LK-116.
Requires an internet environment.



Serverless printing in a ubiquitous network

The bizhub 650i series achieves serverless printing in a ubiquitous network that outputs previously sent print jobs from any desired MFP in the office network, after authentication. As a base unit for printing, it works as a print server, which enables the easy, low-cost creation of a serverless printing system for ubiquitous computing.

A print system in a ubiquitous network can be created for up to 100 units.
Each MFP requires the i-Option LK-114 option.



Supports VLAN (Virtual LAN)

The bizhub 650i series supports a VLAN function that splits multiple networks logically. Data can be isolated for each network, such as externally vs. internally connected networks, company dedicated vs. guest-only networks, or in shared offices so the bizhub can be used securely.

Security watermark function

In addition to the Copy Protect Function, Copy Guard and Password Copy functions for high-level security are available with bizhub 650i series. Printing with a special security watermark embedded into the original prevents unauthorised secondary copying or leakage of confidential documents to third parties.

Requires Security Kit SC-509 option. This is only effective in models equipped with Konica Minolta's security watermark function.

Encrypted PDFs

• Password encryption

Documents distributed in PDF format can be password encrypted.

• Digital ID encryption

Only authorised recipients with a private key can decrypt. This ensures a far more robust level of security than the previous public key system.
If encrypting with Digital ID, the email address (S/MIME send) to which the Digital ID has already been registered must be registered to the MFP's abbreviated address.
Requires the i-Option LK-102 v3.

• Electronic signatures

Electronic signatures certify (MFP) document authors, and also guarantee that the document has not been changed and is valid. Certifications by third party organisations can also be used.
When using electronic signatures, files should be encrypted using either a password or Digital ID.
Requires i-Option LK-102 v3.

Recognised high-level security ISO/IEC 15408 certification

To objectively prove the reliability of Konica Minolta MFP security functions, we have obtained the Common Criteria (CC) for Information Technology Security Evaluation (ISO/IEC 15408). For the bizhub 650i series, we also obtained CC certification for compliance with HCD-PP v1.0 (Protection Profile for Hardcopy Devices).

Information security-related certification obtained for this product (and this system) demonstrates compliance with certification requirements as a result of evaluations based on specified evaluation standards and methods, but does not assure that the product (or the system) is completely without weaknesses.

Other major security features

•SMTP authentication/POP before SMTP authentication enable security to be set when sending emails.
•SSL/TLS protocol enables encryption of data transmission between networks
•Storage Lock Password prevents unauthorised access to the SSD
•TPM (Trusted Platform Module) safely manages confidential information*
Requires i-option LK-115 v2

FASEC 1- compliant fax security

•Double Address Input prevents erroneous transmission through input error
•Destination Number Confirmation Display prevents erroneous transmission due to incorrect dailing
•Dial Tone Detection function prevents erroneous transmission due to call collision
•Memory Receive & PC Forward prevents paper faxes from being left behind
•Transmission Result Report and Operation Panel Result Check enables verification of fax transmission

Konica Minolta's original fax security

•Send Approval Password function prevents erroneous transmission through thorough checking
•Recipient Confirmation (CSI matching) Send prevents erroneous transmission through incorrect connection
•Voice Guidance when Sending reads out fax number before sending fax to prevent erroneous transmission
Requires i-Option LK-104 v3, Key pad KP-102 and device connection EK-608 / EK-609.
•Designated Tray Paper Feed assists security management

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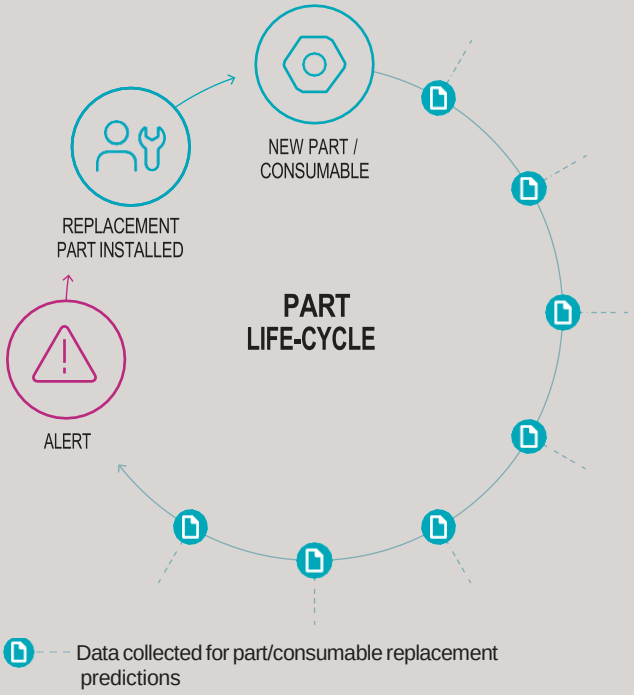
ALWAYS AT THE FOREFRONT

Konica Minolta remotely manages bizhub operating conditions and toner levels, and delivers a variety of support and cloud services including automatic firmware updates and remote monitoring.

Worldwide Remote Service Platform

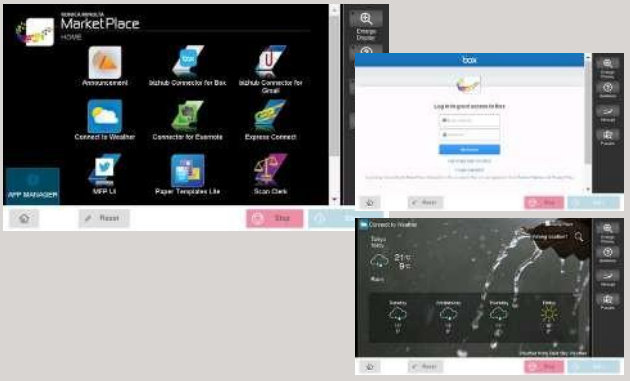
We developed new services leveraging IoT so users can focus on their core business. i-Series intelligently collects data for self-diagnostic and remote maintenance, as well as predicts the optimum replacement time for parts and consumables to minimise downtime.



MarketPlace

Konica Minolta's MarketPlace is pre-installed, connecting you to a variety of applications that can be installed to tailor the functionality of your MFP. Browse through the many available options to find applications that answer your business needs.

Home screen



Installed screen

bizhub Connectors

The operation panel connects to various cloud services[*1] and corporate internal server SharePoint 2007/2010/2013/2016, enabling connectivity for scan data uploads or direct printing. With single sign-on user logged in to the bizhub, users can access registered cloud application without re-entering authentication information.

bizhub Connector[*2] offers 2 applications

bizhub Connector S-1 for Microsoft SharePoint

bizhub Connector E-1 Works with Evernote

[*1] Evernote.
[*2] Requires a separate set-up fee.

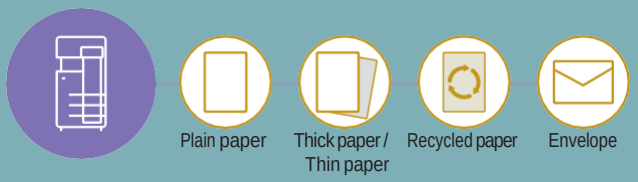
HIGH PRODUCTIVITY

The Intelligent Media Centre together with a wide range of paper feeding options reduces downtime to boost productivity.

Intelligent Media Centre*

The bizhub 650i series automatically detects paper types, including paper weight and envelopes. Optimal toner adjustment and feeding of a diverse range of paper enables optimal high-quality printing.

* Optional Media Sensor, IM-102 is required



Paper feed cabinet for different paper sizes

PC-417* includes two large capacity paper cassettes which allow paper from one cassette to be fed to the main unit for printing while paper can be refilled into the other cassette. This means there's no need to interrupt printing to replenish paper. The cabinet supports frequently used A4 and B5 paper.

* PC-417 is optional for 650i/550i/450i.

Manual stapling supported finisher

The manual stapling function in the finisher lets the user quickly re-staple an original document that had its staple removed for copying, or when he or she forgets to choose a staple setting when printing.

Optional finisher FS-539 or FS-539SD or FS-540 or FS-540SD is required.

Multifunctional finisher

Depending on the objective, users can select from several types of finish that are automatically processed by the multifunctional finisher, including booklet making, tri-folding, stapling and hole-punching. In addition to high-speed output, this function allows in-house production of a variety of outputs and finishes.

A wide range of paper feed options

Supports 1,150 sheets paper capacity with standard paper trays and manual bypass tray. Installing optional paper feed cassettes increases paper capacity to 3,650 sheets. Further installing a large capacity unit escalates maximum paper capacity to 6,650 sheets*1.

*1 When installed with paper feed cabinet PC-416 or PC-417 and large capacity paper feed unit LU-302.

Finishing Functionalities							
Compatible Models	650i	✓	✓	✓	✓	—	—
	550i / 450i	✓	✓	✓	✓	✓	✓
Finisher Models		FS-540 *1, 2	FS-540SD *1, 2	FS-539 *1, 2	FS-539SD *1, 2	FS-533 *3	JS-508
Offset sorting (Shift sort) function	Slightly offsets position of each set of pages when discharged	✓		✓		✓	✓
Stapling functions	Corner stapling / Corner stapling (parallel) *5 / Corner stapling (parallel) *5 / Two-point stapling (side)	Thin / Plain (52 - 80 gsm) A4, B5: max. 100 sheets / B4: max. 65 sheets A3, A5: max. 50 sheets Plain (81 - 90 gsm) B4, A4, B5: max. 60 sheets A3, A5: max. 50 sheets		Thin / Plain (52-90 gsm): max. 50 sheets Plain + / Thick (91-120 gsm): max. 30 sheets Thick (121-209 gsm): max. 15 sheets		Thin / Plain (52-90 gsm) A4, B5: max 50 sheets*6 A3, B4: max 30 sheets*6	—
Booklet function & folding functions	Saddle stitching / Centre-fold / Tri-fold (up to 3 sheets)	—	Max. 20 sheets	—	Max. 20 sheets	—	—
Z folding function	Z folding	Z folding unit ZU-609 52-90 gsm		—		—	—
Hole-punching	Two-hole punch / Upper two-hole punch	Punch kit PK-526 Up to 300 gsm		Punch kit PK-524 Up to 300 gsm		Punch kit PK-519 Up to 157 gsm	—
Cover sheet & Insert sheet	Cover sheet / Insert sheet	Post Inserter PI-507 or standard functions		Standard functions		Standard functions	Standard functions

*1 Installation of a finisher enables in-body paper discharge. A maximum of three discharge locations can be set. For FS-540 and FS-540SD, a maximum of four in-body paper discharges can be set with Job Separator JS-602 installed.
*2 650i/550i/450i require Relay Transport Unit RU-513 to be installed. *3 FS-533 requires MK-607 to be installed for 550i/450i. *4 JS-508 is optional for 550i/450i.
*5 FS-540/FS-540SD/FS-539/FS-539SD parallel stapling is only supported for A3, A4 portrait, A4 landscape, B5 portrait and A5 landscape orientations. However, manual setting is required for A3 and A4 landscape. *6 FS-533 corner stapling is only parallel.

COPY / PRINT

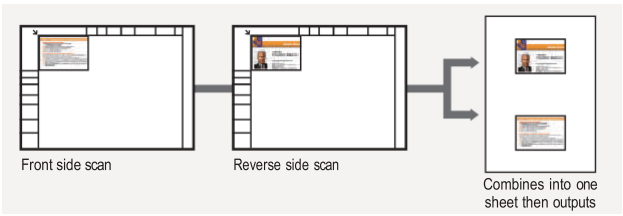
Equipped with advanced functions for monochrome MFPs.
Both Copy and Print functions exhibit outstanding performance.

Speed up work with a shorter warm-up time

	650i	550i	450i
Warm-up time (until ready to copy) Main power ON > Start button ON	15 sec or less	14 sec or less	15 sec or less
First copy time (Monochrome) Start button ON > First sheet output	2.8 sec	3.3 sec	3.8 sec
Panel recovery time	Approx. 1.5 sec		

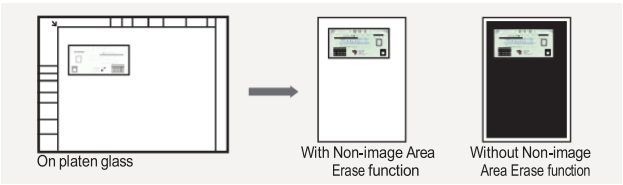
Card Shot function

When copying both sides of an irregular-sized original, such as a license or business card, the front and back sides of the card can be automatically arranged to be printed on the same side of one sheet. Easy copying is possible by selecting the Card Shot app on the User Interface.



Non-Image Area Erase function

When copying with the cover open, such as for thick books, the original is automatically detected and the shadowy area around the original is omitted. This saves excess toner consumption. Easy operation is possible by selecting the relevant apps on the User Interface.



Lightweight paper trays

Paper trays handle easily and open/close smoothly with a light press and pull motion. Trays can be removed for retrieval of jammed paper, which equates to less downtime.

Use irregular-sized paper such as postcards and envelopes with paper feed and manual feed trays

Both standard paper trays on the bizhub 650i series are capable of handling irregular-sized paper, including postcards and envelopes, enabling set-up of a wider range of paper. Paper tray 1 has capacity for up to 200 postcards or 70 envelopes for more efficient printing. The 650i series is ideal for offices where space is limited.

Second level paper tray can only handle irregular-sized paper.

Paper Size Measurement function

This function automatically measures irregular-sized paper placed on the platen glass and document feeder. The size of the measured paper can also be registered in the bizhub's memory. This is useful for offices that handle irregular paper sizes like slips and vouchers.

Optional Media Sensor IM-102 is required.

Enhanced 1,200 dpi resolution

The bizhub 650i series achieves a 1,200-dpi print resolution with superb ability to reproduce small font sizes and fine lines. Such faithful reproduction capability improves document legibility and produces beautiful, high-quality print-outs.

Slows down printing speed.

Banner Printing

Using the optional Banner Paper Guide enables banner printing up to 1,200 mm. bizhub 650i series also supports 90 mm narrow paper so various sized POPs and banners can be created for a wide range of purposes.

Installation of the MK-730 Banner Paper Guide option is recommended.

Web Browser function

The bizhub 650i series supports a web browser function. Websites can be displayed on the operation panel and printed out. Pages in PDF files on the website can be specified and only the required sections printed. This is very handy, allowing easy printing of information such as of destination maps from websites.

USB Direct Print

The bizhub 650i series is equiped with a USB port, located on the side of the operation panel. After inserting a USB flash drive, printing procedures pop up in the touch screen, and the flash drive data can be directly printed or saved to a Box in the unit in a few easy steps.

May not operate correctly depending on the type of USB flash drive.
Supported file formats: PDF, compact PDF, JPEG, TIFF, XPS, compact XPS, and OOXML (.docx/.xlsx/.pptx).
Printing results may differ from the image on the PC screen.
Virus check function requires i-Option LK-116.

Email RX Print

Files can be easily printed out by attaching them to an email and sending it to the machine's email address.

Supported file formats: PDF, Compact PDF, JPEG, TIFF, XPS, Compact XPS, and OOXML (.docx/.xlsx/.pptx).
Requires i-Option LK-110 v2.

Other copy functions

- Image Quality Mode to match the original (text, text/photo, photo, faint original, map, copied original)
- Output Mode that matches application (double-sided printing, page aggregation, repeating, grouping, sorting, shifting, booklets, binding margin)
- Diverse Original Document Scan Modes (continuous scan, mixed originals, binding margin, original loading direction, thin paper, Z folded original, dust reduction mode, programmed jobs, blank original removal).
- Copy Mode can be set according to objective (book original, consecutive page copying, index originals, catalogue originals)
- Selectable Layout Adjustment (enlarge/reduce, consecutive enlargement copying, image storage method, mirror imaging, image shift, auto image rotation)
- Handy "Page Insertion" (coversheet, OHP film, insert sheet, chapter separator, insertion page)
- Expanding usage with Image Additions (date/time, page number, stamp, watermark, head/footer, overlay, registered overlay)
- Able to copy required sections only (Frame Erase, Erase Outside)
- Numerous "Copy Security" functions (Copy Protect, Repeat Stamp, Copy Guard*, Password copy*)

*Requires Security Kit SC-509 option.

Other print functions

- Supports BMLinkS which connects smoothly with office equipment
- My Tab Function customises your tab with frequently used settings
- Printing to Tab Paper (index paper)
- Carbon Copy Mode prints the original docket and copy at the same time. Different coloured sheets can be loaded to various paper trays if necessary
- Capable of printing on SRA3 size which is slightly larger than A3
- Auto Trapping Function prints so that there is no white gap around images

Some functions are only compatible in Classic Mode.

MOBILE

Offers a new workstyle through advanced connectivity with mobile devices.

Mobile communications function

Connectivity with NFC-equipped Android devices

The operation panel has a mobile touch area compatible with NFC-equipped devices. Installing Konica Minolta Mobile Print on Android devices allows that device to be registered to bizhub. Just holding the Android device over the mobile touch area enables the selected file to be printed. Scanned documents in the bizhub can also be scanned and saved to Android devices or cloud storage. Where user authentication is enabled, just holding the Android device nearby allows log in.

Requires the Android device to be equipped with OS4.4 or later.
Requires a wireless LAN environment.

Bluetooth LE connectivity with iOS devices

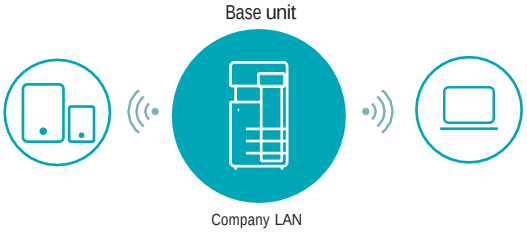
Using Bluetooth LE (low energy), a bizhub close to the user can be searched and registered with Konica Minolta Mobile Print. As it is also supported with the iOS action button, printing and scan data sharing from various applications can be smoothly executed. Further, where user authentication is enabled, Bluetooth LE can be used to log in.

Requires the device connection I/F kit EK-609 option.
Requires wireless LAN environment.

Create a wireless environment easily with wireless LAN/AP mode

The bizhub 650i series supports Simple Access Point (AP) Mode*, which easily creates a local wireless LAN environment with only the bizhub allowing a wireless LAN to be built separately from the company LAN. Because it bypasses the company LAN, even mobile devices brought in from outside can be securely connected.

*Requires Upgrade Kit UK-221 option.



Supporting a range of print services

Konica Minolta Mobile Print

This is a mobile application offered by Konica Minolta. With a simple and intuitive user interface. Connecting a mobile device with bizhub allows fast, secure scan data acquisition, saving to and sharing cloud storage, as well as document and image printing. Authentication Print and Secure Print are also supported enabling worry-free printing of confidential documents.

Works with Apple AirPrint AirPrint

mopria Mopria Print Service

SCAN / FAX

The Scan/Fax functions deliver high performance and high functionality from speed, quality and distribution to storage.

Outstanding scan performance

Single Pass Dual Scan Document Feeder (DSDF), scans up to 280 images per minute. A large number of originals can be loaded at any one time, significantly reducing scanning time and effort. The precision of automatic skew correction, which adjusts the angle of the scanned original, has been greatly improved to deliver highly accurate scanning with less skew.

	650i/550i/450i
DSDF	Standard
Scanning speed	140 sides / min (280 sides / min for duplex)
Paper capacity	300 sheets

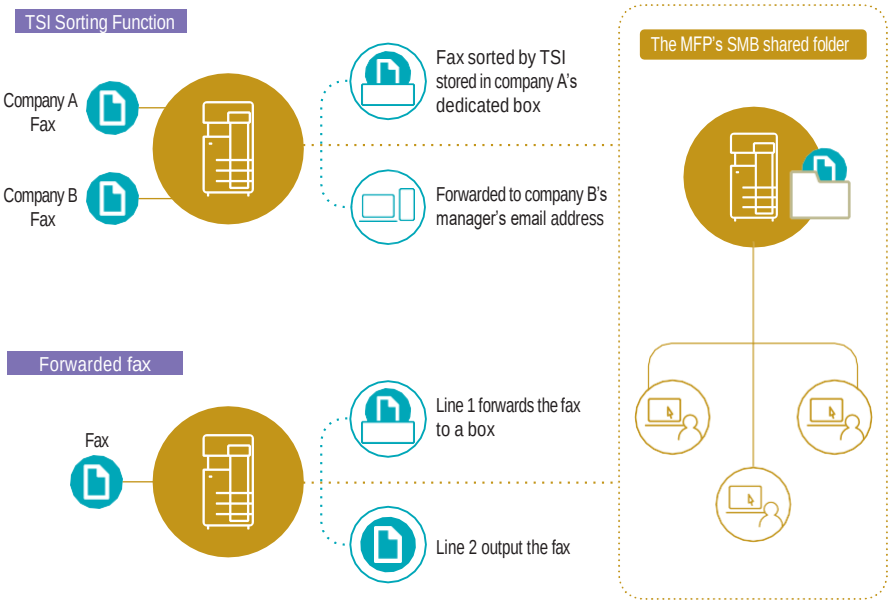
Double feed detection sensor

Applying ultrasonic waves to the original distinguishes a layer of air between each page and detects double feeds. When a double feed is detected, a preview of the original that has already been scanned will be displayed so that the job can be restarted without repeating the whole scanning operation from the beginning.

When equipped with the optional DSDF DF-714 for 360i/300i.

Box storage of received data promotes a paperless environment

Received fax data is automatically sorted according to TSI (Transmitting Subscriber Identification) and automatically stored in the bizhub's Box. Setting automatic transfer to client PC or email addresses saves both effort and cost in sorting and distributing received documents. Forwarding to the bizhub's SMB shared folder is also possible. The bizhub 650i series can also handle functions such as forwarding faxes and TSI-sorted received faxes. The increase in storage destinations for received faxes will further promote a paperless environment.



Scan to URL function

Equipped with a Scan to URL function which stores Scan data within the bizhub, then emails the storage destination URL to the user. This enables easy transmission of large volume data that cannot be attached to emails.

Requires solid state drive EM-908.

Send to email function

Users can send scan data such as for receipts and payment slips to themselves immediately. This can also be done securely with the authentication setting. As the "Scan (email to me)" button is on the home screen, the data can be scanned and sent quickly in a few easy steps.

Manage incoming fax

Received faxes can be checked, managed and printed in a few easy steps by setting the Compulsory Memory Receive Box in the home screen. As the user can select which faxes need to be printed, this function is effective in preventing unnecessary outputs, thus reducing printing costs.

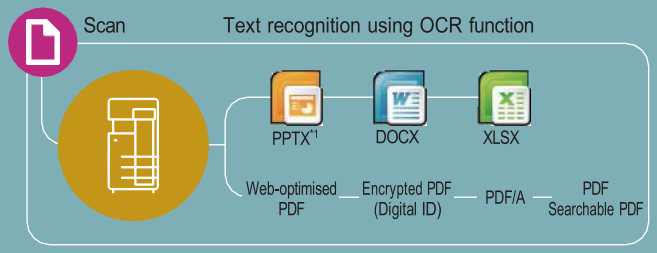
Blank original removal function

Blank sheets from original documents loaded on the ADF can be excluded from scanning. Documents detected as blank sheets will not be counted as a page.

Digitisation of paper documents

Documents can be scanned and converted to PDF or OOXML format files. File format can be selected according to the business and intended use, which broadens the scope of secondary use.

Scan to PDF / Scan to OOXML image (with LK-110 v2 installed)



- Applying OCR to a document produces searchable text
- Microsoft Office etc. enables reuse of images and text.

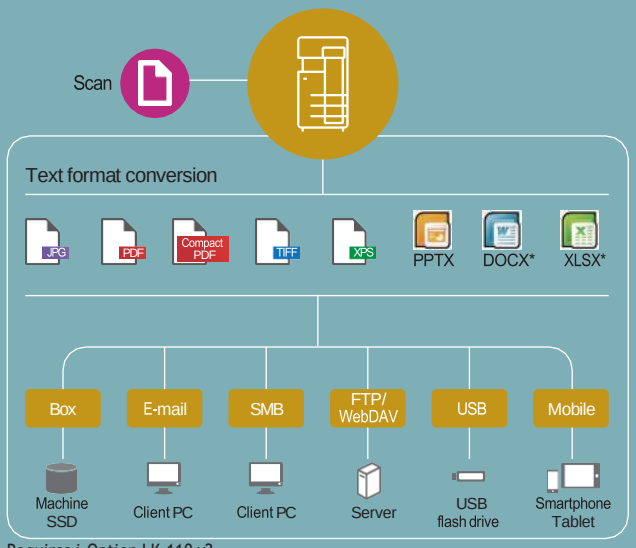
File conversion formats and required options (i-Option)

	LK-102 v3	LK-105 v4	LK-110 v2
PDF/A (long-term archiving)	✓		✓
Web-optimised PDF (linearised PDF)	✓		✓
Encrypted PDF (digital ID)	✓		✓
Searchable PDF (OCR)		✓	✓
OOXML file (extension: docx/.xlsx/.pptx) conversion			✓ *1
OOXML file (extension: docx/.xlsx/.pptx) conversion +OCR		✓ *2	✓

*1 pptx conversion is a standard function, but the OCR function requires either LK-105 v4 or LK-110 v2.
*2 Only compatible with pptx.

Improve scan job efficiency

Scanned originals can be converted to a variety of document formats according to the application and stored in the bizhub's box or a USB flash drive.They can also be sent and stored to a PC or server via email, SMB, FTP, or Web DAV.



Requires i-Option LK-110 v2

Other main scan and fax functions

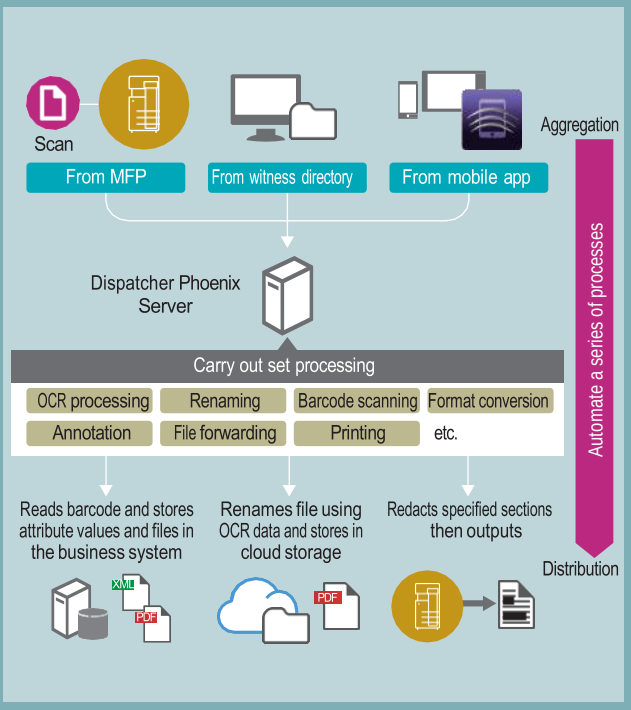
- Super G3 Standard achieves high speed sending of approx. 2 seconds
- Direct Fax, paperless sending from a PC
- Convert received data into a Searchable PDF format*
  * Requires i-Option LK-110 v2
- Maximum 2-phone line FAX Function can aggregate multiple faxes
- W-NET FAX compatibility for broad Internet fax interchangeability
- IP Adress Fax (T.38 FAX) reduces transmission costs*
  * Requires i-Option LK-117 and Fax kit FK-514
- Address Storage for a maximum of 2000 addresses + 100 groups
- Banner Scan scans long originals from the ADF

Task Automation Tools

Sold separately

Dispatcher Phoenix

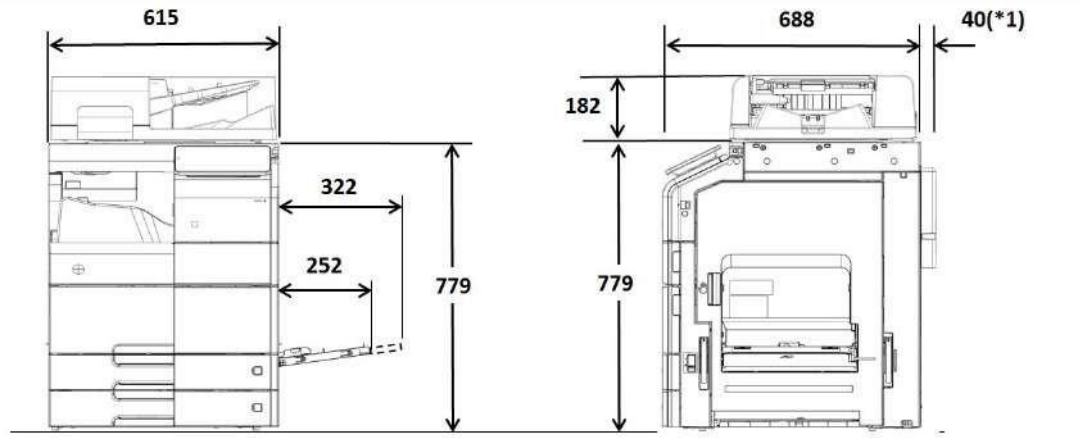
Dispatcher Phoenix automates digitised document processes from file aggregation to processing and distribution. By dividing processes via pre-set conditions, such as OCR processing, file renaming and barcode scanning, each document is automatically stored at a destination. This delivers one-touch execution of cumbersome tasks. Start times can be scheduled so that digitised tasks can be executed quickly and efficiently. Broad scalability and versatility, including connectivity with cloud services, enable creation of flexible workflows tailored to the customer's business and office environment.



Some functions are only compatible in Classic Mode.

PRODUCT SPACE REQUIREMENTS

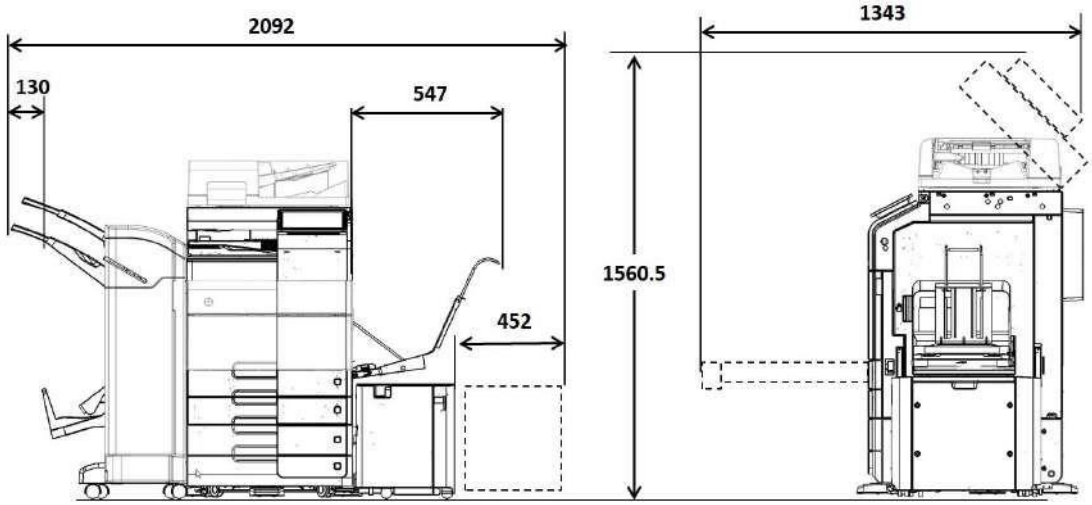
bizhub 650i/550i/450i



(*1)
- With stabiliser (small) : 40
- European standards with stabiliser (large) : 70

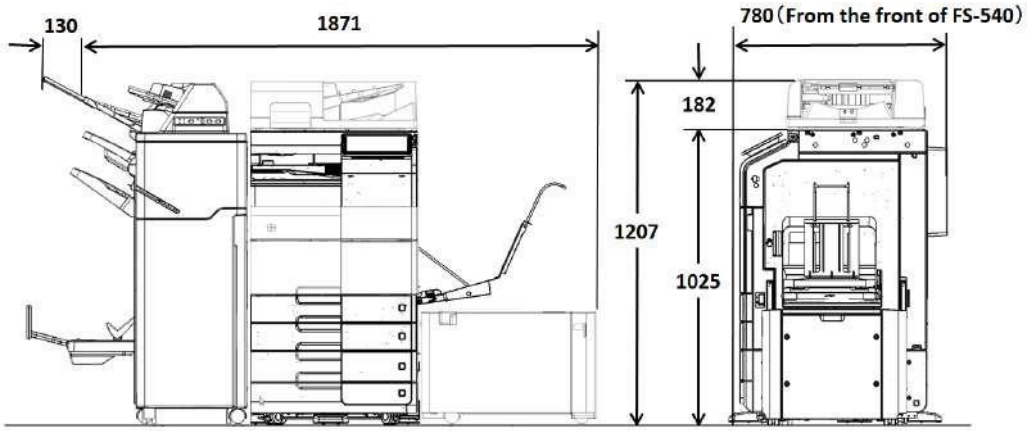
bizhub 650i/550i/450i

PC-216(PC-116/PC-416/PC-417/DK-516)+FS-539SD+LU302+MK-730



bizhub 650i/550i/450i

PC-216(PC-116/PC-416/PC-417/DK-516)+LU207+FS-540SD+PI-507+CU-102+MK-730



CUSTOMER BENEFITS

Intuitive operability
Operate the bizhub like a smartphone or tablet with fully customised user interface

Mobile connectivity
Print anytime from anywhere with Konica Minolta´s innovative mobile technologies

Security
Secure network integration, data encryption, hard drive overwrite, and advanced user authentication

Application ecosystem
Enhanced efficiency thanks to Konica Minolta's extensive applications portfolio

Productivity
Reliability, high-speed scanning and printing, combined with powerful finishing functions

Sustainability
Numerous eco features reduce energy consumption and costs

OPTIONS

1 ENHANCED FEATURES

- PDF enhancements LK-102v3
- Voice guidance LK-104v3
- OCR text recognition LK-105v4
- Barcode fonts LK-106
- Unicode fonts LK-107
- OCR A and B fonts LK-108
- Document converter pack LK-110v2
- ThinPrint® client LK-111
- Serverless pull printing LK-114
- Trusted Platform Module activation LK-115v2
- Antivirus LK-116
- T.38 IP fax LK-117

2 CONNECTIVITY

- Fax board FK-514 (x2)
- Wireless LAN UK-221
- USB I/F kit EK-608 (OR)
- USB I/F kit with bluetooth EK-609
- Biometric authentication AU-102 (OR)
- ID card reader
- Mount kit MK-735

3 OTHERS

- Working table WT-506
- 10-Key pad KP-102
- Media Sensor IM-102
- Security kit SC-509
- Keyboard holder KH-102
- Cleaning unit CU-102
- Replacement SSD EM-908

4 MEDIA INPUT

- Paper feed cabinet PC-116 , 500x1 (OR)
- Paper feed cabinet PC-216 , 500x2 (OR)
- Paper feed cabinet PC-416 , 2500x1 (OR)
- Paper feed cabinet PC-417, 1500x1 + 1000x1 (OR)
- Desk DK-516 (OR)
- Desk DK-705
- Large capacity unit LU-207
- Large capacity unit LU-302
- Banner paper guide MK-730

5 MEDIA OUTPUT

- Output tray OT-513 (OR)
- Job separator*1 JS-508

MEDIA OUTPUT

- Inner finisher*1 FS-533 (OR)
- Attachment kit*1 MK-607
- Punch kit*1 PK-519

MEDIA OUTPUT

- Staple finisher, 50 sheets FS-539 (OR)
- RP Tray Unit RT-513
- Staple/booklet finisher, 50 sheets FS-539SD (OR)
- Relay unit RU-513
- Punch kit PK-524

MEDIA OUTPUT

- Staple finisher, 100 sheets FS-540
- Relay unit RU-513 (OR)
- Staple/booklet finisher, 100 sheets FS-540SD (OR)
- Relay unit RU-513
- Punch kit PK-526
- Post inserter PI-507 (OR)
- Job separator JS-602
- Z-fold unit ZU-609

LEGEND

- Mandatory option
- Option
- This option can only be installed with the respective option above it

*1 Not applicable to bizhub 650i

FINISHING FUNCTIONALITIES

Corner stapling | Two-point stapling | Two-hole punching | Four-hole punching | Duplex | Combined mixplex/ mixmedia | Half-fold | Sheet insertion | Tri-fold | Booklet | Offset sorting | Z-fold | Banner printing | Corner Stapling (offline)

DESCRIPTION

ENHANCED FEATURES

LK-102v3 PDF enhancements	PDF/A(1b), PDF encryption, digital signature
LK-104v3 Voice guidance	Supports voice guidance
LK-105v4 OCR text recognition	Searchable PDF and PPTX
LK-106 Barcode fonts	Supports native barcode printing
LK-107 Unicode fonts	Supports native Unicode printing
LK-108 OCR A and B fonts	Supports native OCR A and B font printing
LK-110v2 Document converter pack	Generates various file formats incl. DOCX, XLSX and PDF/A
LK-111 ThinPrint® client	Print data compression for reduced network impact
LK-114 Serverless pull printing	Secure and Follow Me printing solution requiring no server application
LK-115v2 Trusted Platform Module	Trusted Platform Module for protection of data encryption and decryption
LK-116 Antivirus	Bitdefender® antivirus provides real time scanning of all incoming and outgoing data
LK-117 T.38 IP fax	Fax over IP networks (T.38), requires fax kit

CONNECTIVITY

FK-514 Fax board	Super G3 fax, digital fax functioality
UK-221 Wireless LAN	Wireless LAN and wireless LAN Access Point Mode
EK-608 USB I/F kit	USB keyboard connection
EK-609 USB I/F kit	USB keyboard connection; Bluetooth
AU-102 Biometric authentication	Finger vein scanner
ID card reader	Various ID card technologies
MK-735 Mount kit	Installation kit for ID card reader

OTHERS

WT-506 Working table	Authentication device placement
KP-102 10-Key pad	For use instead of touchscreen
IM-102 Media sensor	For detecting types of media
EM-908 Replacement SSD	1 TB SSD to increase storage space
KH-102 Keyboard holder	To place USB keyboard
CU-102 Air Cleaning Unit	Improving indoor air quality by reduced emission

MEDIA INPUT

PC-116 1x Paper feed cabinet	500 sheets, A5–A3, 52–256 g/m²
PC-216 2x Paper feed cabinet	2x 500 sheets, A5–A3, 52–256 g/m²
PC-416 Paper feed cabinet	2,500 sheets, A4, 52–256 g/m²
PC-417 Paper feed cabinet	1,500 + 1,000 sheets, A5–A4, 52–256 g/m²
LU-302 Large capacity unit	3,000 sheets, A4, 52–256 g/m²
LU-207 Large capacity unit	2,500 sheets, A4–SRA3, 52–256 g/m²
MK-730 Banner paper guide	Banner paper feeding
DK-516 Desk	Provides storage space for print media and other materials
DK-705 Desk	Caster table

MEDIA OUTPUT

OT-513 Output tray	Output tray used instead of finisher
JS-508 Job separator*1	Separation of fax output; etc.
FS-533 Inner finisher*1	50-sheet stapling, 500 sheets max. output
MK-607 Fan kit*1	For FS-533 ventilation
PK-519 Punch kit for FS-533*1	2/4 hole punching, autoswitching
FS-539 Staple finisher	50 sheets stapling; 3,200 sheets max. output
FS-539SD Booklet finisher	50 sheets stapling; 20 sheets booklet finisher; 2,200 sheets max. output
PK-524 Punch kit for FS-539/SD	2/4 hole punching; autoswitching
FS-540 Staple finisher	100 sheets stapling; 3,200 sheets max. output
FS-540SD Booklet finisher	100 sheets stapling; 20 sheets booklet finisher; 2,700 sheets max. output
PK-526 Punch kit for FS-540/SD	2/4 hole punching; autoswitching
RU-513 Relay unit	For FS-539/SD or FS-540/SD installation
JS-602 Job separator for FS-540/SD	Separation of fax output; etc.
PI-507 Post inserter for FS-540/SD	Cover insertion; post finishing
ZU-609 Z-fold unit for FS-540/SD	Z-fold for A3, B4 or Legal prints

TECHNICAL SPECIFICATIONS

SYSTEM SPECIFICATIONS

System speed A4 650i, 550i, 450i	up to 65ppm, up to 55ppm, up to 45ppm
System speed A3 650i, 550i, 450i	Up to 32ppm, up to 32ppm, up to 15ppm
Autoduplex speed A4 650i, 550i, 450i	up to 65 ppm, up to 55ppm, up to 45 ppm
1st page out time A4 650i, 550i, 450i	2.8sec, 3.3 sec, 3.8sec.
Warm-up time*2 650i, 550i, 450i	17sec, 16 sec, 16 sec.
Imaging technology	Laser
Toner technology	Simitri® HD polymerised toner
Panel size/resolution	10.1" / 1024 x 600
System memory	8GB
System storage (standard/optional)	256 GB SSD / 1 TB SSD

SYSTEM SPECIFICATIONS

Interface	10/100/1,000-Base-T Ethernet; USB 2.0; Wi-Fi 802.11 b/g/n/ac (optional)
Network protocols	TCP/IP (IPv4 / IPv6); SMB; LPD; IPP; SNMP; HTTP(S); Bonjour
Automatic document feeder	Up to 300 originals; A6–A3; 35–210 g/m²; DSDF
ADF double feed detection	Standard
Printable paper size	A6–SRA3; customized paper sizes; banner paper max.1,200 x 297 mm
Printable paper weight	52–300 g/m²
Paper input capacity (standard/max)	1,150 sheets / 6,650 sheets
Paper tray input	1x 500; A6–A3; custom sizes; 52–256 g/m² 1x 500; A5–SRA3; custom sizes; 52–256 g/m²
Paper feed cabinet (optional)	
PC-116	1x 500 sheets; A5–A3; 52–256 g/m²
PC-216	2x 500 sheets; A5–A3; 52–256 g/m²
PC-416	1x 2,500 sheets; A4; 52–256 g/m²
PC-417	1x 1,500 + 1x 1,000 sheets; A5–A4; 52–256 g/m²

SYSTEM SPECIFICATIONS

Large capacity unit (optional)	
LU-207	1x 2,500; A4–SRA3; custom sizes; 52–256 g/m²
LU-302	1x 3,000; A4; 52–256 g/m²
Manual bypass	150 sheets; A6–SRA3; custom sizes; banner; 60–300 g/m²
Finishing modes (optional)	Offset; Group; Sort; Staple; Staple (offline); Punch; Half-fold; Tri-fold; Booklet; Post insertion; Z-fold
Automatic duplexing	A6–SRA3; 52–256 g/m²
Output capacity (standard/max)	Up to 250 sheets / up to 3,300 sheets
Stapling	Max. 100 sheets or 98 sheets + 2 cover sheets (up to 300 g/m²)
Stapling output capacity	Max. 200 sets
Tri-fold	Max. 3 sheets
Tri-fold output capacity	Max. 50 sets; unlimited (without tray)
Booklet	Max. 20 sheets or 19 sheets + 1 cover sheet (up to 300 g/m²)
Booklet output capacity	Max. 35 booklets; unlimited (without tray)
Power consumption	220–240 V / 50/60 Hz; Less than 2.00 kW
System dimension (W x D x H)	615 x 688 x 961 mm (without options)
System weight	Approx. 98 kg (without options)

PRINTER SPECIFICATIONS

Print resolution	1,800 (equivalent) x 600 dpi; 1200 x 1200 dpi
Page description language	PCL 6 (XL3.0); PCL 5c; PostScript 3 (CPSI 3016); XPS
Operating systems	Windows 7 (32/64); Windows 8.1 (32/64); Windows 10 (32/64); Windows Server 2008 (32/64); Windows Server 2008 R2; Windows Server 2012; Windows Server 2012 R2; Windows Server 2016; Windows Server 2019; Macintosh OS X 10.13 or later; Unix; Linux; Citrix
Printer fonts	80 PCL Latin; 137 PostScript 3 Emulation Latin
Mobile printing	AirPrint (iOS); Mopria (Android); Konica Minolta Mobile Print (iOS/Android/Windows 10 Mobile); Mobile Authentication and Pairing (iOS/Android); WiFi Direct

SCANNER SPECIFICATIONS

Scan speed (mono/colour)	200dpi Simplex, up to 140/140ipm 200dpi Duplex , up to 280/280ipm
Scan resolution	Up to 600 x 600 dpi
Scan modes	Scan-to-eMail (Scan-to-Me); Scan-to-SMB (Scan-to-Home); Scan-to-FTP; Scan-to-Box; Scan-to-USB; Scan-to-WebDAV; Scan-to-DPWS; Scan-to-URL; TWAIN scan
File formats	JPEG; TIFF; PDF; Compact PDF; Encrypted PDF; XPS; Compact XPS; PPTX optional: Searchable PDF; PDF/A 1a and 1b; Searchable DOCX/ PPTX/XLSX
Scan destinations	2,000 destinations + 100 groups; LDAP support

COPIER SPECIFICATIONS

Copy resolution	600 x 600 dpi
Gradation	256 gradations
Multicopy	1-9,999
Original format	Max. A3
Magnification	25–400% in 0.1% steps; Auto-zooming

FAX SPECIFICATIONS (OPTION)

Fax standard	Super G3
Fax transmission	Analogue; i-Fax; Colour i-Fax; IP-Fax
Fax resolution	Up to 600 x 600 dpi
Fax compression	MH; MR; MMR; JBIG
Fax modem	Up to 33.6 Kbps
Fax destinations	2,000 single + 100 groups

USER BOX SPECIFICATIONS

Storable documents	Up to 3,000 documents or 10,000 pages
Type of user boxes	Public; Personal (with password or authentication); Group (with authentication)
Type of system boxes	Secure print; Encrypted PDF print; Fax receipt; Fax polling

SYSTEM FEATURES

Security functions	ISO 15408 HCD-PP Common Criteria; IP filtering and port blocking; SSL3 and TLS1.0/1.1/1.2 network communication; IPsec support; IEEE 802.1x support; User authentication; Authentication log; Secure print; Kerberos; Hard drive overwrite; Hard drive data encryption (AES 256); Confidential fax; Print user data encryption
Security functions (optional)	Antivirus realtime scanning (Bitdefender®); Copy protection (Copy Guard, Password Copy)
Accounting	Up to 1,000 user accounts; Active Directory support (user name + password + e-mail + smb folder); User function access definition; Authentication by mobile device (Android)
Accounting functions (optional)	Biometric authentication (finger vein scanner); ID card authentication (ID card reader); Authentication by mobile device (iOS)
Software	Data Administrator; Web Connection; Driver Packaging Utility; Log Management Utility

*1 Not applicable to bizhub 650i

*2 Warm-up time may vary depending on the operating environment and usage

– All specifications refer to A4-size paper of 80 g/m² quality.

– The support and availability of the listed specifications and functionalities varies depending on operating systems, applications and network protocols as well as network and system configurations.

– The stated life expectancy of each consumable is based on specific operating conditions such as page coverage for a particular page size (6% coverage of A4). The actual life of each consumable will vary depending on use and other printing variables including page coverage, page size, media type, continuous or intermittent printing, ambient temperature and humidity.

– Some of the product illustrations contain optional accessories.

– Specifications and accessories are based on the information available at the time of printing and are subject to change without notice.

– All information stated in the brochure is correct at time of printing and subject to change without notice.

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