



- Up to 45 ppm print/copy output for high-speed productivity
- Standard dual scanning at up to 160 originals per minute
- Large 9" color display with quick tablet-like interface
- Touchscreen for simple control and 3rd-party software integration
- Built-in Emperon® print system, universal printer drivers
- Simitri® HD polymerized toner for high-resolution imaging
- Standard 250 GB HDD for on-board document storage
- Meets ISO 15408 and IEEE 2600.1 Security standards
- New power-saving design with quick recovery from sleep mode
- 6,650-sheet maximum capacity, tab printing support, carbon-copy printing
- Advanced authentication, secure print release, remote firmware updates
- Finishing options for 80-page booklet-making
- 50-Sheet stapling, 2/3-hole punch, tri-fold and tab printing support
- Downloadable apps to help you work faster and smarter
- i-Options to add functions for working more efficiently
- EPEAT Gold-certified, low power consumption to cut costs
- Mobile printing support (AirPrint, Google Cloud Print, NFC)

## bizhub 454e

MONOCHROME MID-VOLUME MULTIFUNCTION PRINTER



mfp



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MONOCHROME MID-VOLUME MULTIFUNCTION PRINTER

**bizhub 454e**

The bizhub 454e gets the job done faster and better, delivering 45 ppm B&W print/copy output, standard dual scanning in color at up to 160 opm, 6,650-sheet maximum paper capacity, optional fax and modular finishing options – all with enhanced touch-and-swipe interface that's as easy as a familiar tablet.

**System Overview**

<b>System memory</b>	2,048 MB
<b>System hard disk</b>	250 GB
<b>Interface</b>	10-BASE-T/100-BASE-TX/1,000-BASE-T Ethernet, USB 2.0
<b>Network protocols</b>	TCP/IP (IPv4/IPv6), SMB, LPD, IPP, SNMP, HTTP, HTTPS
<b>Frame types</b>	Ethernet 802.2, Ethernet 802.3, Ethernet II, Ethernet SNAP
<b>Dual scan document feeder</b>	Up to 100 originals / 5.5" x 8.5" to 11" x 17" / 35-163 gsm
<b>Printable paper size</b>	<b>Scanning/Copying:</b> up to 11" x 17" <b>Printing:</b> up to 11" x 17" full bleed on 12" x 18" paper Custom paper sizes Banner paper max.: 11.75" x 47.25"
<b>Printable paper weight</b>	52-300 gsm
<b>Paper input capacity</b>	<b>Standard:</b> 1,150 sheets / <b>Max.:</b> 6,650 sheets
<b>Tray 1</b>	500 sheets / 5.5" x 8.5" to 11" x 17" / 52-256 gsm
<b>Tray 2</b>	500 sheets / 5.5" x 8.5" to 12" x 18" / 52-256 gsm
<b>Tray 3 (optional)</b>	500 sheets / 5.5" x 8.5" to 11" x 17" / 52-256 gsm
<b>Tray 4 (optional)</b>	2 x 500 sheets / 5.5" x 8.5" to 11" x 17" / 52-256 gsm
<b>Large capacity tray PC-410 (optional)</b>	2,500 sheets / 8.5" x 11" / 52-256 gsm
<b>Large capacity tray LU-301 (optional)</b>	3,000 sheets / 8.5" x 11" / 52-256 gsm
<b>Large capacity tray LU-204 (optional)</b>	2,500 sheets / 8.5" x 11" to 12" x 18" / 52-256 gsm
<b>Manual bypass</b>	150 sheets / 4" x 6" to 12" x 18" / custom paper sizes / 50-300 gsm
<b>Automatic duplexing</b>	5.5" x 8.5" to 12" x 18" / 52-256 gsm
<b>Finishing modes</b>	Offset, group, sort, punch, half-fold, tri-fold, booklet
<b>Output capacity</b>	<b>Max. with finisher:</b> 3,300 sheets <b>Max. without finisher:</b> 250 sheets
<b>Stapling (optional)</b>	<b>Max.:</b> 50 sheets or 48 sheets + 1 cover sheet (up to 209 gsm)
<b>Stapling output capacity</b>	<b>Max.:</b> 1000 sheets
<b>Tri-fold</b>	Up to 3 sheets
<b>Tri-fold capacity</b>	<b>Max.:</b> 30 sheets (tray)
<b>Booklet</b>	<b>Max.:</b> 20 sheets or 19 sheets + 1 cover sheet (up to 209 gsm)
<b>Booklet output capacity</b>	<b>Max.:</b> 100 sheets (tray)
<b>Copy/print volume</b>	<b>Max.:</b> 175,000 pages/month <sup>1</sup>
<b>Toner lifetime</b>	24,400 pages
<b>Imaging unit lifetime</b>	130,000 pages / 590,000 pages (Drum / Developer)
<b>Power consumption</b>	120 V / 50/60 Hz, less than 1.92 kW (system)
<b>System dimensions</b>	24.2" x 27" x 36.3" (W x D x H)
<b>System weight</b>	Approx. 205 lb

**Copier Specifications**

<b>Copying process</b>	Electrostatic laser copy, tandem, indirect
<b>Toner system</b>	Simitri® HD Polymerized Toner
<b>Print speed (8.5" x 11")</b>	Up to 45 ppm (Portrait)
<b>Print speed (11" x 17")</b>	Up to 22 ppm (Portrait)
<b>Autoduplex speed (8.5" x 11")</b>	Up to 45 ppm (Portrait)
<b>1st copy out time</b>	4.6 sec.
<b>Warm-up time</b>	Approx. 22 sec. <sup>2</sup>
<b>Copy resolution</b>	600 x 600 dpi
<b>Gradations</b>	256 gradations
<b>Multi-copy</b>	1-9,999
<b>Original format</b>	Up to 11" x 17"
<b>Magnification</b>	25-400% in 0.1% steps, auto zooming
<b>Copy functions</b>	Chapter, cover and page insertion, proof copy (print and screen), adjustment test print, digital art functions, job setting memory, poster mode, image repeat, overlay (optional), stamping, copy protection

**Printer Specifications**

<b>Print resolution</b>	1,800 x 600 dpi, 1,200 x 1,200 dpi
<b>PDL</b>	PCL6 (XL 3.0), PCL5c, PostScript 3 (ver. 3016), XPS
<b>Operating systems</b>	Windows (x32/x64): XP / Vista / 7 / 8 Windows Server (x32/x64): 2003 / 2008 / 2008 R2 <sup>3</sup> / 2012 <sup>3</sup> Macintosh OS X 10.2.8 or later UNIX / Linux / Citrix
<b>Printer fonts</b>	80 PCL Latin, 137 PostScript 3
<b>Print functions</b>	Direct Print of PCL, PS, TIFF, XPS, PDF, encrypted PDF files and OOXML (DOCX, XLSX, PPTX), mixmedia and mixplex, "Easy Set" job programming, overlay, watermark, copy protection, carbon copy print

**Scanner Specifications**

<b>Scan speed</b>	<b>B&amp;W / Color:</b> up to 160 ipm
<b>Scan resolution</b>	<b>Max.:</b> 600 x 600 dpi
<b>Scan modes</b>	Scan-to-Email, Scan-to-SMB, Scan-to-FTP, Scan-to-Box, Scan-to-USB, Scan-to-WebDAV, Scan-to-DPWS, Network TWAIN scan
<b>File formats</b>	JPEG, TIFF, PDF, PDF/A 1a and 1b (optional), compact PDF, encrypted PDF and searchable PDF (optional), XPS, compact XPS, PPTX and searchable PPTX (optional), searchable DOCX/XLSX (optional)
<b>Scan destinations</b>	2,100 (shared with fax), LDAP support
<b>Scan functions</b>	Annotation (text/time/date) for PDF, up to 400 job programs, realtime scan preview

**Fax Specifications**

<b>Fax</b>	Super G3 (optional)
<b>Transmission</b>	Analog, i-Fax, Color i-Fax, IP-fax
<b>Resolution</b>	<b>Max.:</b> 600 x 600 dpi (ultra-fine)
<b>Compression</b>	MH, MR, MMR, JBIG
<b>Modem</b>	Up to 33.6 Kbps
<b>Destinations</b>	2,100 (single + group)
<b>Functions</b>	Polling, time shift, PC-fax, receipt to confidential box, receipt to Email/FTP/SMB, up to 400 job programs

**User Box Specifications**

<b>Storable documents</b>	<b>Max.:</b> 3,000 documents or 10,000 pages
<b>Type of user boxes</b>	Public Personal (with password or authentication) Group (with authentication)
<b>Type of system boxes</b>	Secure print, encrypted PDF, fax receipt, fax polling, annotation
<b>User box functionality</b>	Reprint, combination, download, sending (Email/FTP/SMB and fax), copy box-to-box

## System Features

<b>Security</b>	ISO 15408 EAL IEEE 2600.1 IP filtering and port blocking SSL2, SSL3 and TLS1.0 network communication IPsec support IEEE 802.1x support User authentication Authentication log Secure print Hard disk overwrite (8 standard types) Hard disk data encryption (AES 128) Memory data auto deletion Confidential fax receipt, Print user data encryption Copy protection (Copy Guard, Password Copy) optional
<b>Accounting</b>	Up to 1,000 user accounts Active Directory support (user name + password + Email + SMB folder) User function access definition Optional Biometric authentication (finger vein scanner) Optional ID card authentication (ID card reader)
<b>Software</b>	PageScope Net Care Device Manager PageScope Data Administrator PageScope Box Operator PageScope Direct Print Print Status Notifier Driver Packaging Utility Log Management Utility

<sup>1</sup> Maximum monthly duty cycle describes the maximum number of pages a device can output on a monthly basis.  
This specification is a guideline intended to offer a comparison of durability as it relates to the entire Konica Minolta MFP and printer product line so that the appropriate device can be placed in order to meet customer needs

<sup>2</sup> Warm-up time may vary depending on the operating environment and usage

<sup>3</sup> Supports x64 only

## Components and Options

<b>AU-102 Biometric authentication</b>	Finger vein scanner
<b>EK-606 USB I/F kit</b>	USB keyboard connection
<b>EK-607 USB I/F kit</b>	USB keyboard connection, Bluetooth
<b>DK-510 Copier desk</b>	Provides storage space for print media and other materials
<b>FK-508 Fax board</b>	Super G3 fax, digital fax functionality, lines 3 & 4 support
<b>FK-511 Fax board</b>	Super G3 fax, digital fax functionality
<b>FS-533 Staple finisher</b>	50-sheet stapling, 500 sheets max. output
<b>FS-534 Staple finisher</b>	50-sheet stapling, 3,300 sheets max. output
<b>FS-534 + SD-511 Booklet finisher</b>	50-sheet staple finisher, 20-sheet booklet finisher, 3,300 sheets max. output
<b>ID card reader</b>	Various ID card technologies
<b>JS-506 Job separator</b>	Separation for fax output, etc.
<b>KH-102 Keyboard holder</b>	To place USB keyboard
<b>KP-101 10-Key pad</b>	For use instead of touchscreen
<b>LK-101 v3 Web browser</b>	Web browser
<b>LK-102 v3 PDF enhancements</b>	PDF/A, PDF encryption, digital signature
<b>LK-104 v3 Voice guidance</b>	Provides voice guidance functions
<b>LK-105 v3 OCR text recognition</b>	Searchable PDF
<b>LK-106 Barcode fonts</b>	Supports native barcode printing
<b>LK-107 Unicode fonts</b>	Supports native Unicode printing
<b>LK-108 OCR A and B fonts</b>	Supports native OCR A and B font printing
<b>LK-110 Enhanced image support</b>	Generates various file formats incl. DOCX, XLSX and combines LK-102 (encrypted PDF) + LK-105 (searchable PDF/OCR functionality)
<b>LK-111 ThinPrint® Client</b>	Print data compression for reduced network impact
<b>LU-204 Large capacity tray</b>	8.5" x 11" to 12" x 18", 2,500 sheets, 52-256 gsm
<b>LU-301 Large capacity tray</b>	8.5" x 11", 3,000 sheets, 52-256 gsm
<b>MK-728 Mount kit</b>	Installation kit for FK-508 fax board
<b>MK-735 Mount kit</b>	Installation kit for ID card reader
<b>OT-506 Output tray</b>	Output tray used instead of finisher
<b>PC-110 Universal tray (x1)</b>	5.5" x 8.5" to 11" x 17", 500 sheets, 52-256 gsm
<b>PC-210 Universal tray (x2)</b>	5.5" x 8.5" to 11" x 17", 2 x 500 sheets, 52-256 gsm
<b>PC-410 Large capacity tray</b>	8.5" x 11", 2,500 sheets, 52-256 gsm
<b>PK-519 Punch kit for FS-533</b>	2/3-hole punching, autoswitching
<b>PK-520 Punch kit for FS-534</b>	2/3-hole punching, autoswitching
<b>SC-508 Security kit</b>	Copy Guard function (2x required)
<b>UK-204 i-Option memory</b>	Memory extension for i-Options
<b>UK-208 Wireless LAN</b>	Wireless LAN to network connector
<b>WT-506 Working table</b>	Authentication device placement



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**KONICA MINOLTA BUSINESS SOLUTIONS U.S.A., INC.**  
100 Williams Drive, Ramsey, New Jersey 07446

[CountOnKonicaMinolta.com](http://CountOnKonicaMinolta.com)



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