

THE RICOH AFICIO COLOR 4506

Aficio Color®

4506



THE RICOH office color  
**series**



digital color imaging system

**RICOH**®

# business productivity soars with Ricoh's true all-in-one office

The innovative Ricoh Aficio Color® 4506 is the single, simple digital workgroup solution that speeds color and black & white productivity for your business. Forget the high cost of a separate copier and laser printer! RICOH®, an office automation leader for over 60 years & digital engineering forerunner for nearly 20, has made multi-functionality a reality with this advanced hybrid system: a superior full-color copier to dramatize all your documents; a high-performance black & white copier for tough everyday demands; a first-rate color/black & white laser printer; and an optional facsimile for streamlined workgroup connectivity.

**Productivity soars** with the Aficio Color 4506: performance is swift, seamless and effortless, whether you're copying multiple sets of a report, printing a download from the Internet, or creating professional-quality overhead transparencies. The Aficio Color 4506 offers Scan Once, Print Many, which allows production that results in black & white output of 31 cpm.

**Wide Range of Options: From more paper sizes to more paper stocks,** we give you all the options you need to suit every task including thick paper stocks. You can't find this versatility in every copier, nor in many laser printers—especially color ones.



COVER STOCK

TRANSPARENCY

## PRINT FULL-BLEED 11" x 17"

With the introduction of the Aficio Color 4506, your business can now produce full-bleed 11" x 17" documents when you print onto 12" x 18" paperstock. And you can output to a variety of media, whether you need a cover stock (up to 90 lb. index) for your report or OHP transparency for your meeting.

**Create professionally-finished newsletters, ad spreads or catalogs** right in your office. The Aficio Color 4506 allows you to **reproduce 11" x 17" full bleed images onto 12" x 18" paper**, enhancing your in-house production productivity.

**Run Printing and Copying Jobs Simultaneously:** Boost productivity with the Aficio Color 4506, offering **Face Down Printing** (on the optional 3-Bin Sorter), so network users who are running copy and print jobs on the network can run them in unison and never encounter output confusion.

**Perform Print-Shop Quality Work:** The Aficio Color 4506 offers a host of flexible options and advanced finishing features so your office can perform high-quality printing right on premise – from making **multiple copy sets of full-color reports, all collated and stapled, to creating professional business documents and presentations!**

**Utmost Connectivity Efficiency:** With an **optional embedded print controller**, the Aficio Color 4506 **makes connectivity simpler than ever.**

The RC-210 Print Controller is a cost effective networking solution designed for printing general office color applications. The RC-210\* is optimized to print Microsoft Windows applications, but will also support networked Macintosh computers. The RC-210 supports Ethernet 10/100BaseT and networking protocols including TCP/IP, IPX, NetBEUI and AppleTalk.

For complex color graphics requirements, the E-310\* print controller delivers unsurpassed capability to handle the more difficult tasks. Compatible with most PC, Macintosh™ and network environments, the system supports Ethernet 10/100BaseT for the quickest connections to your network and is compatible with the most popular network protocols such as TCP/IP, IPX/SPX, etc. The E-310 Print Controller also offers Adobe® PostScript 3 processing and 136 embedded Adobe Type 1 fonts for unsurpassed versatility.

\*Both Print Controller options require the installation of the Ricoh Type H Interface. The E-310 also requires the addition of the Operation Panel Type 310.



# solution



## PRECISION IMAGING... UNPARALLELED QUALITY OUTPUT YOUR COMPANY REQUIRES

Imagine how Ricoh's superior digital technology could improve your workgroup's productivity...

**Exceptional image quality in copy or print mode.** The Aficio Color 4506 delivers crisp, clear **600 dpi print resolution with 256 gradation levels of color**, for the ultimate in accuracy. You can produce documents with true 8-bit printing resolution, delivering an endless array of dynamic colors. Plus, Ricoh's advanced new engine and enhanced laser technology ensure maximum clarity, smoother gradation and seamless reproduction of maps, drawings, even photographs—in full color or black & white—without compromising text sharpness.

The Aficio Color 4506 delivers more vibrant color reproduction, thanks to Ricoh's new, more concentrated, higher yield, easily replenishable toner and developer.

**Superb reproduction of an impressive variety of originals—automatically!** Just place an original on the glass—whether a blueprint, dye sub, inkjet or laser output—and the intuitive Aficio Color 4506 ingeniously registers the original's characteristics to output the closest match possible.

### Produce perfect photo or photo and text imaging with:

- Photo Original & Printed Photo Mode
- Press Print Mode
- Glossy Photo Mode
- Laser Original
- 2nd Generation Original Mode

Or, select from one of three special original mode settings commonly used in today's busy offices:

- Map Mode
- Highlighter Pen Mode
- Inkjet Original Mode for three printer types

Obtain consistent color quality with Ricoh's reliable **Automatic Color Calibration system**, which intelligently adjusts the density per color. Now you can accurately render your corporate logo in-house to a near-exact color match on all important documents.

**Pre-set selectable colors** that can be conveniently customized to your liking. Program your preferences into memory, then return to them at any time and apply them to any document.

## advanced FEATURES found on the AC4506

No other system offers the wealth of advanced Aficio Color 4506 features, designed specifically to further productivity and versatility in the general office environment, making any job easier with one-touch functioning. Just touch the Aficio Color 4506 color LCD panel to effortlessly access an array of functions:

- **Auto Color Selection:** conveniently detects whether the copy job should be completed in color or black & white.
- **Color Balance Adjustment:** alters/intensifies color choices as desired.
- **Color Conversion:** changes specified colors on your original to different colors on your copies.
- **Auto Paper Selection:** intelligently locates the correct paper tray to match originals being copied.
- **Auto Text/Photo Separation:** automatically adjusts to ensure sharp reproduction of both text lines and photos in the same document.
- **Cover Sheet Copy:** professionalizes documents by adding front and/or back covers with Auto Reverse Document Feeder (ARDF) option.
- **Faster black and white print speed.** Rated at 31 CPM's in black & white mode.
- **Advanced Auto Duplexing capabilities.** Standard on the Aficio Color 4506, this capability enables automatic two-sided copying and printing.
- **Advanced Full-Color editing.** A visually enhanced LCD editing panel with an extra large 10.4" touch screen, the Aficio Color 4506 offers users one touch editing.

## CONSISTENT QUALITY PRODUCTIVITY

Now you no longer have to choose between great color output or great productivity. The Ricoh Office Color Series of Aficio Color Imaging Systems **tops its class when it comes to full color and black & white performance**, delivering high productivity whether you're copying or printing!

- **At 31 copies per minute**, the Aficio Color 4506 ensures seamless black and white copying with a fast eight-second first copy speed; plus, it moves through full-color copies at a swift speed of six copies per minute.
- An advanced **Double Page Transfer System** streamlines reproduction by enabling two page images to be made side by side on the drum, which means two consecutive pages can be copied/printed during one rotation.

## TRUE MULTIFUNCTIONALITY

The Aficio Color 4506 offers Image Editing as an optional feature that enables you to enhance, edit, and combine scanned images prior to the completion of your document.

This level of flexibility and creative latitude is unparalleled. Furthermore, the Aficio Color 4506 offers a facsimile option, which results in a truly multifunctional imaging system for your workgroup.

# RICOH®

**THE RICOH OFFICE COLOR SERIES  
MAKING COLOR WORK IN YOUR OFFICE.**

## Specifications

### (EDP 405279)

<b>Configuration</b>	Console
<b>Process</b>	Dry Electrostatic Transfer System
<b>Originals</b>	Sheet/Book/Object
<b>Original Size</b>	Max. 11" x 17"/A3
<b>Gradation</b>	256 gradations
<b>Copy Size</b>	Max. 11" x 17"/A3 (full bleed on 12" x 18") Min. 5 1/2" x 8 1/2" (lengthwise)
<b>Scan Resolution</b>	600 dpi
<b>Copy/Print Resolution</b>	600 dpi
<b>Paper Size</b>	<b>Paper Tray Feed:</b> 11" x 17", 8 1/2" x 11", 8 1/2" x 14", 8 1/2" x 13", 5 1/2" x 8 1/2" (lengthwise) <b>Bypass Tray Feed:</b> Max. 12" x 18" Min. 5 1/2" x 8 1/2"
<b>First Copy Speed</b>	22 secs. (in full color), 8 secs. (in b/w)
<b>Copy Speed</b>	<b>Normal Mode:</b> 6 cpm (in full color), 31 cpm (in b/w) Up to 100 copies
<b>Multiple Copying</b>	1,550 sheets total (3-Tray Bank: 500 each + Bypass Tray: 50 sheets)
<b>Paper Capacity</b>	<b>Paper Tray:</b> 17 - 28 lb. <b>Bypass Tray:</b> 14 lb. Bond to 90 lb. Index 5 enlargements, 7 reductions plus 100% (400%, 200%, 155%, 129%, 121%, 93%, 85%, 78%, 73%, 65%, 50%, 25%) Automatic or manual
<b>Copy Paper Weight</b>	24.4" x 29.3" x 24.4" 620mm x 680mm x 602mm excludes platen glass
<b>Reproduction Ratio</b>	244 lbs./111Kg
<b>Zoom</b>	120V, 12A, 60Hz
<b>Duplex Copy</b>	Less than 1.5Kva
<b>Dimensions (WxDxH)</b>	Hard Key Type with 10.4" Full Color LCD display
<b>Weight</b>	
<b>Power Source</b>	
<b>Maximum Power Consumption</b>	
<b>Operation Panel</b>	

## Special Features

<b>Color Selection</b>	Auto Color Selection (ACS), Full Color, Black & White, Single Color, Twin Color Auto Text & Photo Separation Mode, Photo Mode, Text Mode, Special Original Mode, <b>Photo Type Selection:</b> Press Print Mode, Glossy Photo Mode, 2nd Generation Mode <b>Special Original Mode:</b> Map Mode, Highlighter Pen Mode, Inkjet Original Mode
<b>Copy Modes</b>	Auto Paper Selection (APS) <b>Bypass Tray Modes:</b> The following modes can be selected from bypass tray feeding: Normal Paper Mode, Thick Paper Mode, OHP Transparency Mode, Duplex Copy Backside Mode (normal paper), Duplex Copy Backside Mode (thick paper), Custom Size Paper Mode
<b>Paper Selection</b>	Auto Magnification Selection
<b>Reduce/Enlarge</b>	Directional Magnification
<b>Shift/Erase/Book Copy</b>	Centering/Cornering Margin Adjustment Book Copy <b>Series Copy:</b> with ADF <b>Combine 2 Originals:</b> with ADF
<b>OHP Slip Sheet</b>	Yes (blank paper only)
<b>Cover Sheet</b>	Yes
<b>User Code</b>	Yes (Max. 50 codes)
<b>Auto Tray Switching</b>	Yes
<b>Color Creation</b>	Color Conversion, Color Erase
<b>Image Creation</b>	Mirror, Positive/Negative
<b>Image/Color Adjustment</b>	9 options
<b>Image Rotation</b>	Yes

## Options Specifications

### DF64/ARDF (EDP 209969)

<b>Original Size</b>	11" x 17", 8 1/2" x 14", 8 1/2" x 11", 5 1/2" x 8 1/2"
<b>Original Weight</b>	<b>SADF/ADF Mode:</b> 11 lb. - 34 lb. <b>Auto Reverse Mode:</b> 14 lb. - 28 lb. <b>Combine Originals Mode:</b> 14 lb. - 34 lb. 50 sheets
<b>Stack Capacity</b>	

### ST10 10-Bin Sorter/Stapler (EDP 208921)

<b>Number of Bins</b>	10 bins + Proof Tray (Moving type)
<b>Paper Size</b>	Max. 11" x 17", Min. 5 1/2" x 8 1/2"
<b>Paper Weight</b>	14 - 43 lb.
<b>Bin Capacity</b>	<b>Sort Mode:</b> 30 sheets (letter size) <b>Stack Mode:</b> 25 sheets (letter size) <b>Proof Tray:</b> All sizes: 100 sheets <b>Number of pages:</b> 2-20 sheets (20 lb. bond) <b>Position:</b> One position (horizontal) <b>Replenishment:</b> Cartridge change (2,000 pieces/cartridge)
<b>Stapling Capacity</b>	

### ST32 20-Bin Sorter/Stapler (EDP 405097)

<b>Number of Bins</b>	20 bins + Proof Tray (Moving Type)
<b>Paper Size</b>	Max. 12" x 18", Min. 5 1/2" x 8 1/2"
<b>Paper Weight</b>	14 - 43 lb.
<b>Bin Capacity</b>	<b>Sort Mode:</b> 30 sheets (letter size) <b>Stack Mode:</b> 25 sheets (letter size) <b>Proof Tray:</b> All sizes: 100 sheets <b>Number of pages:</b> 2 - 30 sheets (20 lb. bond) <b>Position:</b> One position (horizontal or 35" by manual) <b>Replenishment:</b> Cartridge change (2,000 pieces/cartridge)
<b>Stacking Capacity</b>	

### CS160 3-Bin Sorter (EDP 405101)

<b>Number of Bins</b>	3 bins + Auto Reverse Tray
<b>Paper Size</b>	Max. 12" x 18", Min. 5 1/2" x 8 1/2"
<b>Paper Weight</b>	<b>1st Tray:</b> 14 - 42 lb. <b>2nd &amp; 3rd Trays:</b> 14 - 28 lb. <b>Face Down Printing:</b> 17 - 28 lb.
<b>Bin Capacity</b>	<b>1st Tray:</b> 500 sheets with 8 1/2" x 11" (20 lb. bond) 250 sheets with 11" x 17" (20 lb. bond) <b>2nd &amp; 3rd Trays:</b> 250 sheets with 8 1/2" x 11" (20 lb. bond) 125 sheets with 11" x 17" (20 lb. bond)

### PS390 3-Tray Paper Bank (EDP 405109)

<b>Number of Trays</b>	500 sheet tray x 3 (34 lb.)
<b>Paper Size</b>	Max. 11" x 17", Min. 5 1/2" x 8 1/2"
<b>Paper Weight</b>	17 - 28 lb.

### PS380 2-Tray Paper Bank (EDP 405105)

<b>Number of Trays</b>	500 sheet tray x 2 (24 lb.)
<b>Paper Size</b>	Max. 11" x 17", Min. 5 1/2" x 8 1/2"
<b>Paper Weight</b>	17 - 28 lb.

### Area Editing (EDP 405289)

<b>Area Shape</b>	Rectangle/Right Angle Polygon/Polygon/ Closed Loop/Multi-Closed Loop/Line
<b>Input Area</b>	Max. 500 points
<b>Max. No. of Areas</b>	Max. 500 areas (by closed loop)
<b>Max. Group</b>	20 groups
<b>Area Edit</b>	Color Conversion, Color Erase, Color Background, Paint, Positive Negative, Save Area, Delete Area, Shift, Image Adjustment
<b>Color Pallet</b>	108 colors + black + white

## Optional Solutions Specifications

### E-310 (EDP 405317)

Embedded color controller for graphics intensive printing applications.

<b>Processor</b>	Intel Celeron 366MHz
<b>RAM</b>	128MB standard 256MB maximum
<b>Hard Disk Drive</b>	8.4GB
<b>Interface</b>	RJ45 for Ethernet 10/100BaseT
<b>PDL</b>	Adobe PostScript 3
<b>Network protocol</b>	AppleTalk, TCP/IP, Novell IPX (autoswitching)
<b>Printer Utilities</b>	Aficio Manager, Fiery Utilities
<b>Print Resolution</b>	600 dpi

### RC-210 (EDP 405266)

Cost effective embedded color controller for use in general office color applications in Windows environment.

<b>Processor</b>	OE5261 200MHz
<b>RAM</b>	64MB standard 192MB maximum
<b>Interface</b>	Parallel Port, IEEE 1284B, RJ45 for Ethernet 10/100BaseT
<b>PDL</b>	IPDL-C and Ricoh-Script 2
<b>Network protocol</b>	TCP/IP, Novell IPX, NetBEUI, AppleTalk (with Rico-Script 2 autoswitching)
<b>Printer Utilities</b>	Aficio Manager, PortNavi, Multidirect Print, and Web Status Monitor
<b>Print Resolution</b>	600 dpi

### Fax Option (EDP 405290)

<b>Resolution</b>	Standard: 200 x 100 dpi Detail: 200 x 200 dpi
<b>Scanning Speed</b>	0.7 secs.
<b>Modem Speed</b>	33.6K (Standard) 56K (Option)

### Type H Interface Kit\* (EDP 405287)

\*Required option for the E-310, RC-210 Print Controller, or Fax Option

### Operational Panel Type 310\* (EDP 405315)

\*Required for E-310 Print Controller only

## RICOH® Image Communication

Ricoh Corporation  
Five Dedrick Place  
West Caldwell, NJ 07006  
Phone: (973) 882-2000  
Website: <http://www.ricoh-usa.com>

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