

Canon

DR-S350NW PRODUCT AND TECHNOLOGY GUIDE



**imageFORMULA
DR-S350NW**

Version.01 : 1st Jul 2024

Embargo : 19th September 2024
Sales Start: November 2024



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PRODUCT OUTLOOK



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DR-S350NW



PRODUCT BACKGROUND

We launched a next-generation network scanner DR-S250N in September 2023. To enhance this DR-S line series, we will introduce the variation model DR-S350NW with an intuitive large touch panel and Wi-Fi interface.

DR-S250N



DR-S350NW



PRODUCT OUTLOOK

Improve productivity without increasing workload for the administration of scanner

DR-S350NW can provide you the flexible operation responding to the change of workplace, workstyle, and number of office workers

Scanning method adopting to office environment

DR-S350NW supports various scanning method for your needs. You can without a PC by registering a job, that is a combination of frequently used scan settings and destination settings. In addition to USB connection, you can also share the scanner with PCs on N/W and/or scan from smart devices with Ethernet and Wi-Fi connection.

DR-S350NW supports wide range of OS. It supports Windows, Mac, as well as Android, iOS, and Chrome OS. Moreover, you can scan with smart devices and Chrome OS without software installation.

Intuitive operation with large touch panel

Equipped with a color LCD touch panel for a smooth operation. In addition to be able to execute the job on the scanner without a PC, you can even check scanned images on the panel.

Image processing suitable for each document

Various image processing function can create the image data that is highly visible and suitable for your backend system to process properly (e.g. OCR) from original document whose image data having poor visibility because of wrinkled, mixed with photo and character, marked with fluorescent marker.

Customize UI suitable to job

Some UI on the device can be customized with UI customize SDK. Increase productivity by changing top screen, hiding the menu that IT managers do not want operator to use.

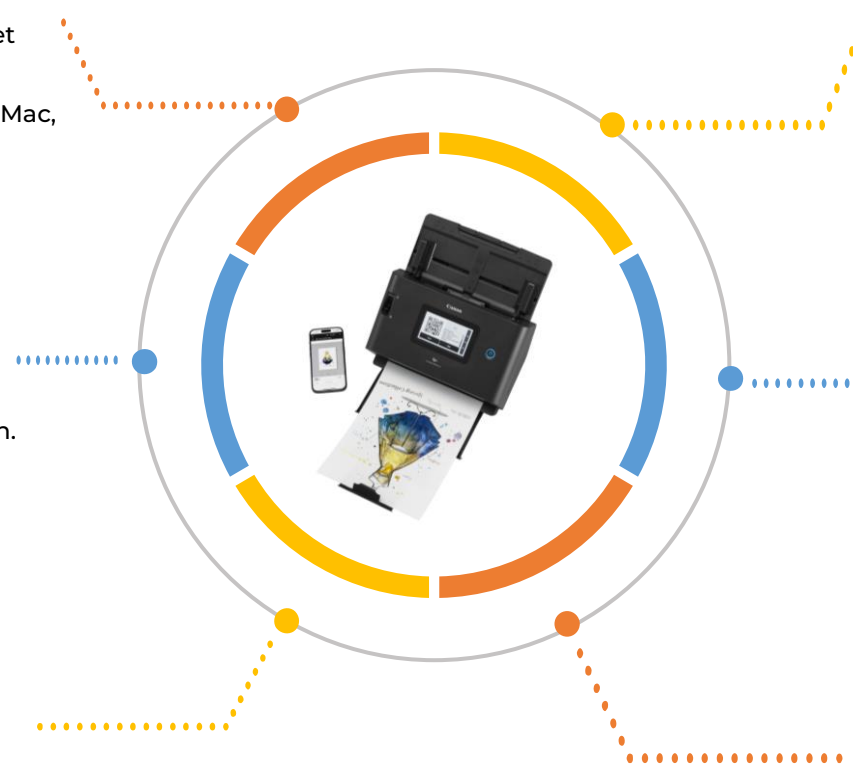
Various managing method suitable for each objective

DR-S350NW provides various way for you to manage your fleet.

- By web menu: Simply manage the setting for small number of scanners
- DR Scanner Management tool : Distribute same settings to Large number of scanners simultaneously
- COT Admin : manage users with Active Directory

Various saving option achieve effortless storing data

Can send the scanned data directly to share folder/email/FTP/FTPS/Printer/SFTP
Can eliminate extra steps, by sending directly to Slack and Teams with Scan to email function



DR-S350NW PRODUCT OVERVIEW

Embedded WEB server

Enhances driverless scanning function

4.3" color LCD touch panel

Enhances usability and customizability

New image processing

Enhances image quality

Environment friendly

With more optimized energy consumption & reduced plastic materials.

Direct Scan

Scan to SMB, SMTP, FTP/FTPS, Print & sending image to Slack/TEAMS

New image sensor

enhances scanning speed
50ppm (B&W/Colour : 200dpi)

CaptureOnTouch Lite WEB

Driverless scanning function.

Flexible connectivity

USB 3.2 gen.1 / LAN / Wi-Fi



WHAT IS UNIQUE AND NEW

DR-C/M series

USB connection
ISIS / Twain



DR-S1 series

N/W connection
Driverless scan
Chromebook scan
USB Connection
ISIS / Twain



DR-S250N DR-S350NW

Browser scan
N/W connection
Driverless scan
Chromebook scan
USB Connection
ISIS / Twain

New



WHAT IS THE BROWSER SCAN?

- DR-S350NW can work as a standalone network scanner and it has an embedded Linux OS in it and, the WEB server and WEB service are running on it.
- From computers or mobiles that are connected to the same LAN environment, the user can connect to the DR-S350NW.



PRODUCT

KEY FEATURES



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DR-S350NW



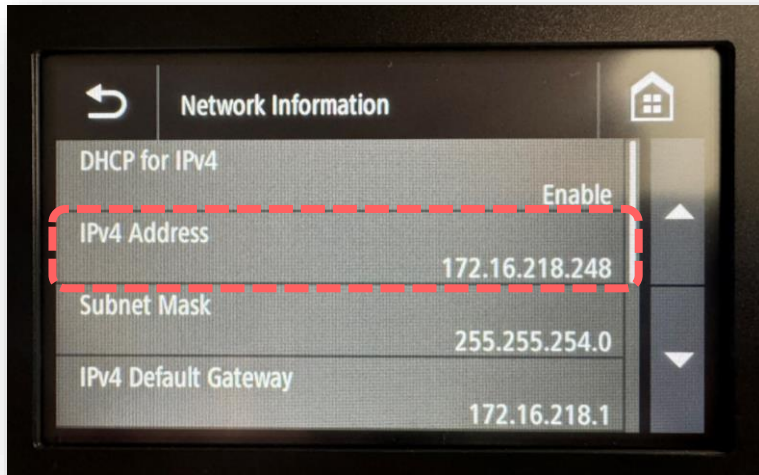
HOW TO CONNECT TO THE NETWORKED DR-S350NW

- DR-S350NW connected to the network has a unique IP address and supports 2 connection methods.
 1. Type in the scanner IP address from your web browser (on mobile/PC/Mac etc).
 2. Scan the QR code on the scanner display using your mobile device.

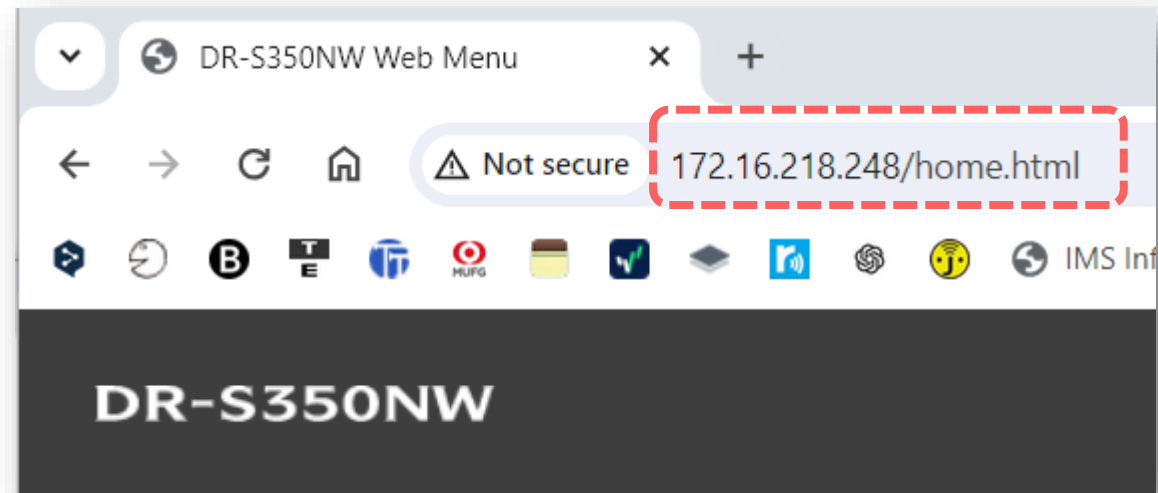
HOW TO CONNECT TO THE NETWORKED DR-S350NW

1. From the browser with the IP address.
 - We can check the device IP address from the operation panel.
 - Once you key in the IP address to the search bar of the browser, connection would be established, and WEB menu is available.

DR-S350NW operation panel



Browser



HOW TO CONNECT TO THE NETWORKED DR-S350NW

1. QR code with mobile devices.
 - By scanning the QR code on the scanner panel from the smart devices, able to connect to the scanner and launch the web menu.

**Scanner and smart devices must be connected to the same LAN environment.*

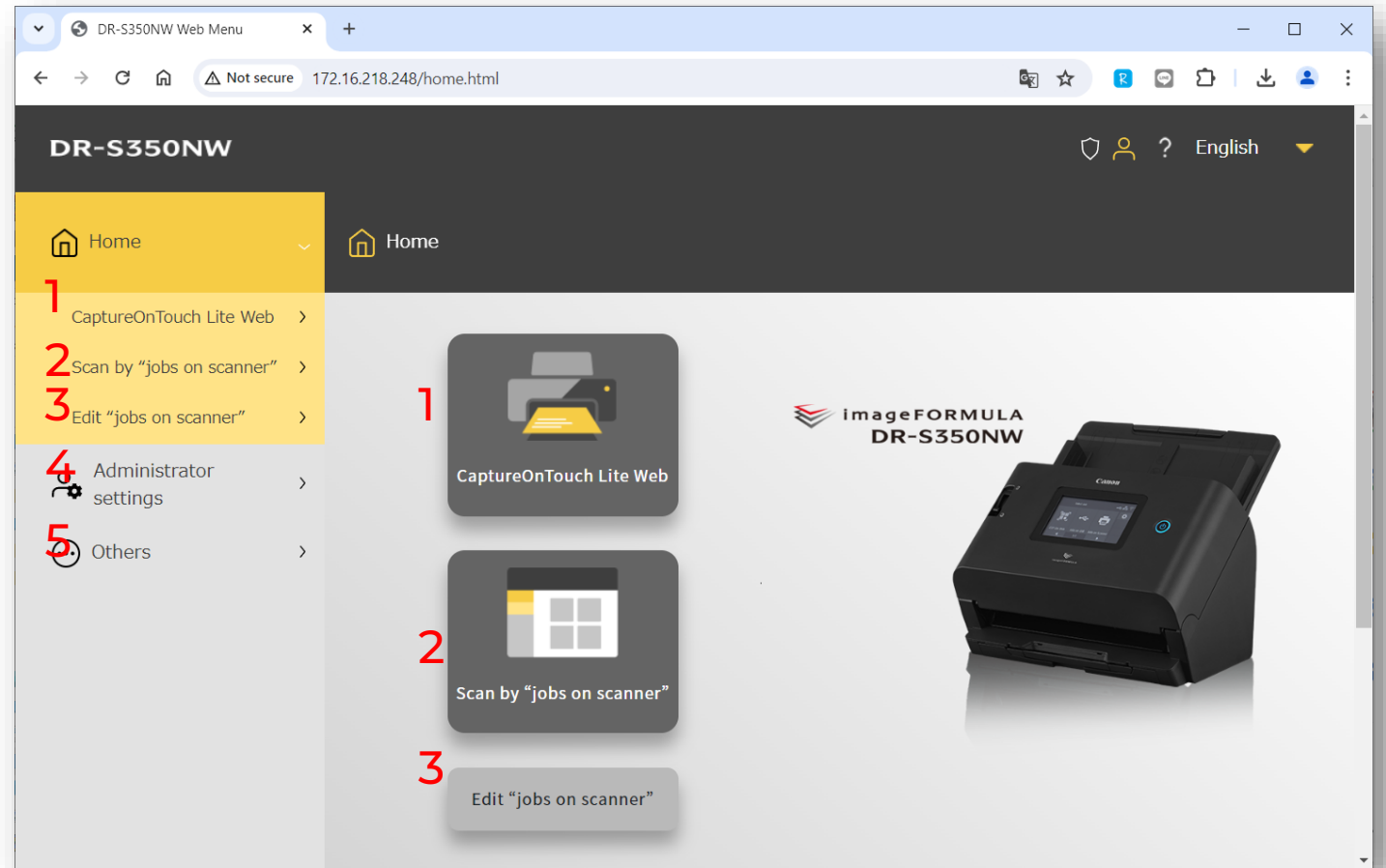


WEB MENU

What can we do with...?

1. Simple ad-hoc scanning mode using “CaptureOnTouch Lite Web”
2. Routine scanning tasks with direct scanning function using preconfigured scan jobs.
3. Configure direct scanning job settings.
4. Administrator settings such as device configuration, server (Mail, FTP etc..) settings.
5. Others : Device, Network and Version information.

**Same functions are available on smart devices.*

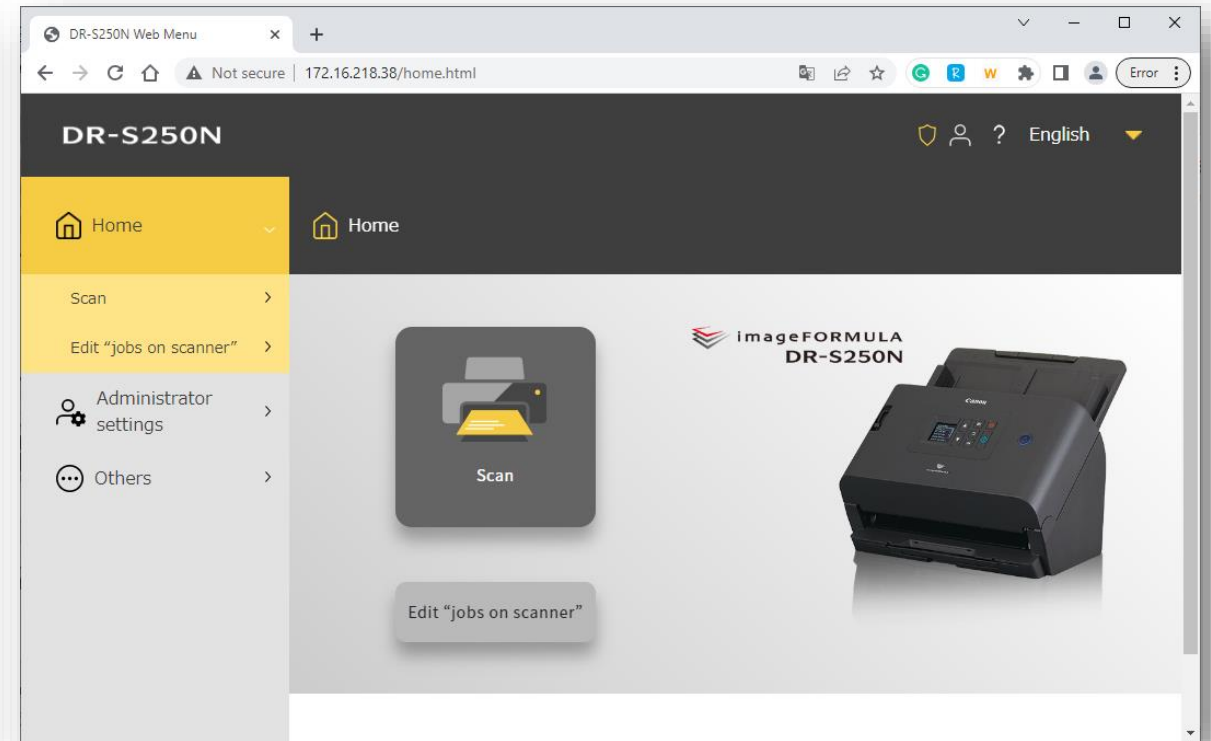
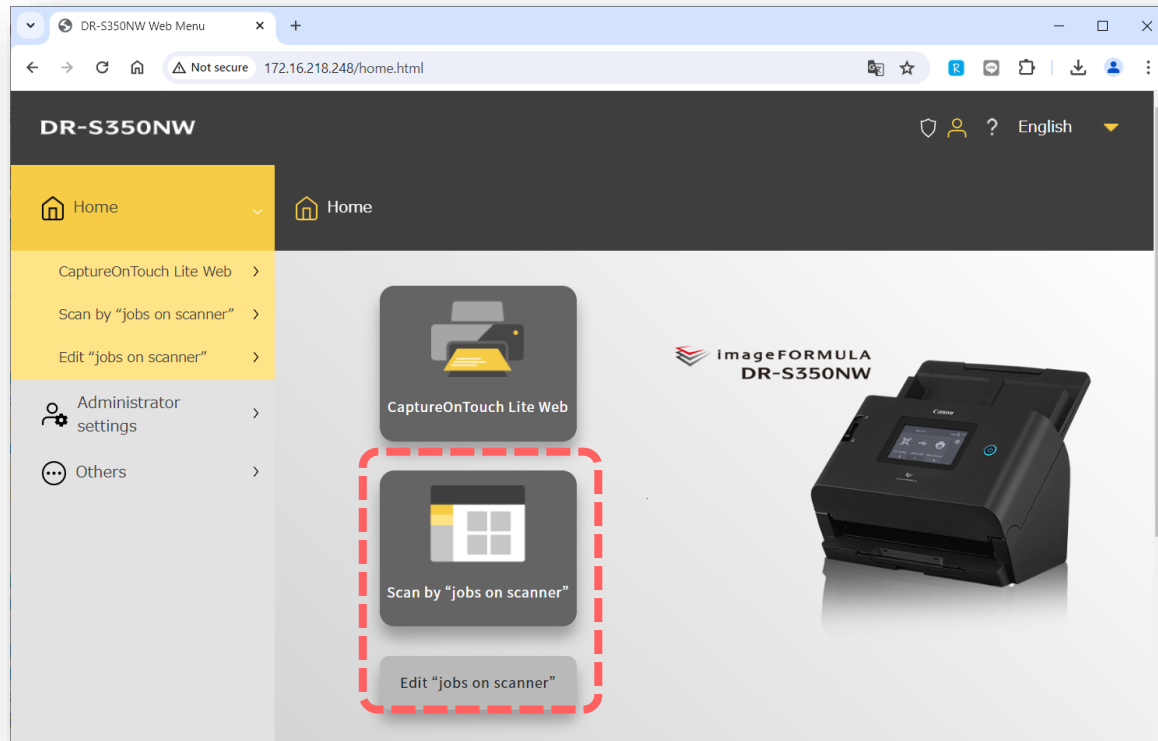


WEB MENU ENHANCEMENT

Improvement
DR-S350NW / DR-S250N version-up

Scan by "Jobs on scanner" button is added.

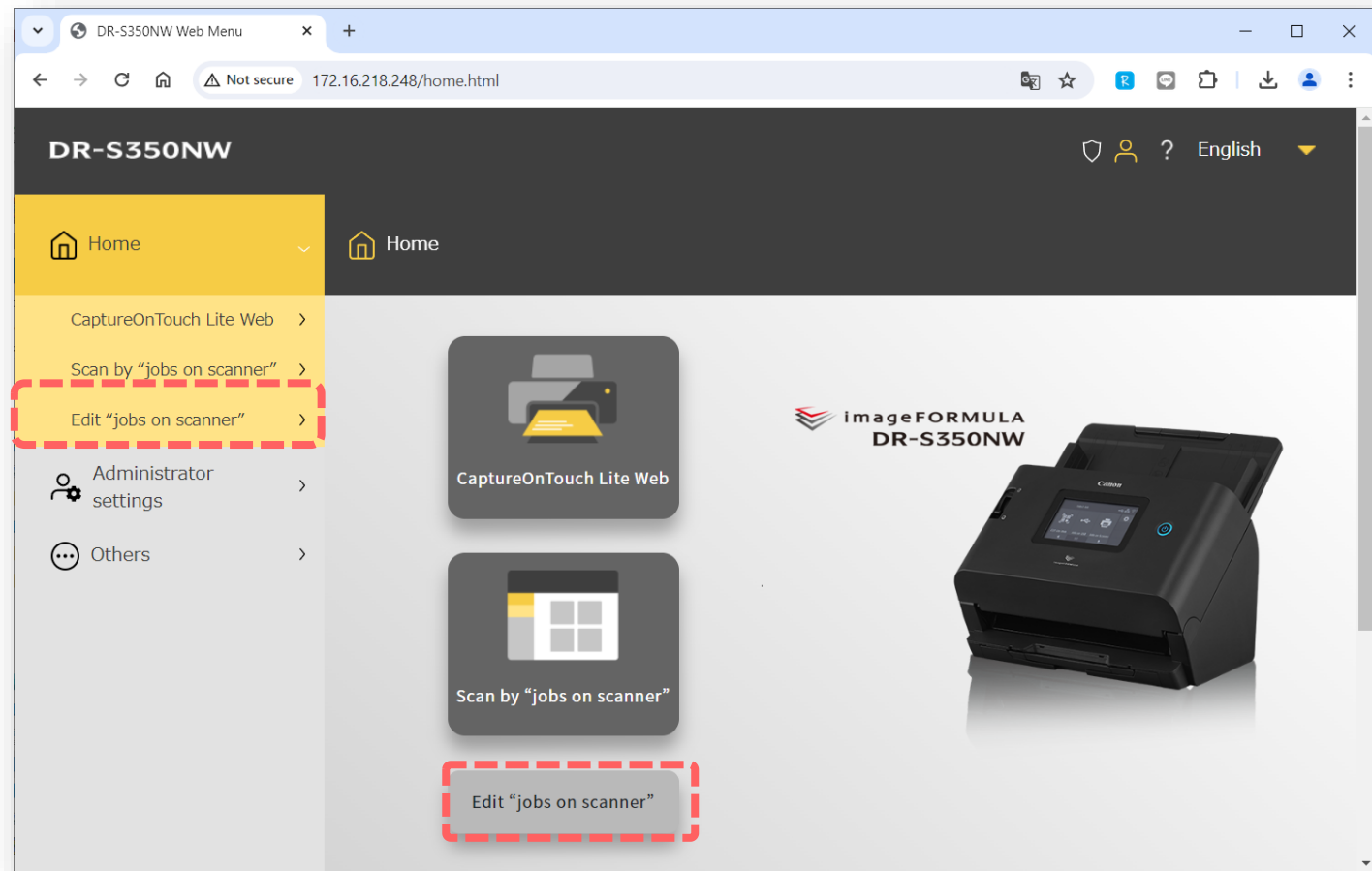
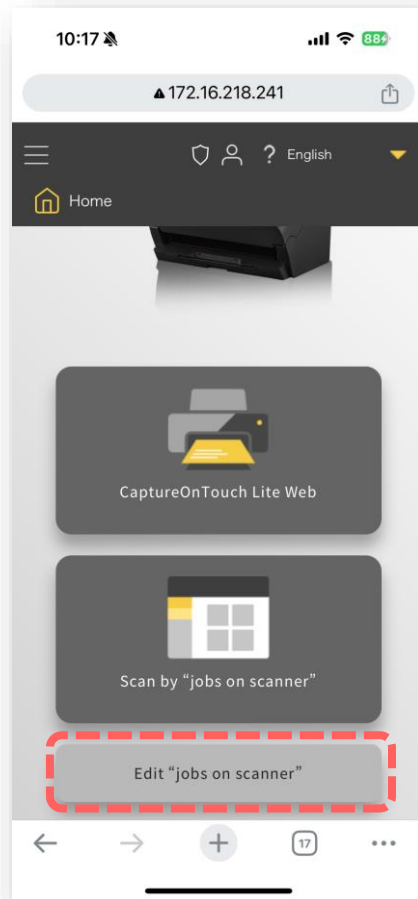
- Previously the web menu (with DR-S250N) has only *Edit "jobs on scanner"* button even though the scanning function is available. You also need to enter the Admin password to prevent users accidentally changing the settings.
- To split into two buttons, users can scan without needing Admin password, and the IT administrator secure the settings.





DIRECT SCANNING FUNCTION SETTINGS AND SCANNING

- This function is also not necessary to install any software.
- Various sending options are supported.

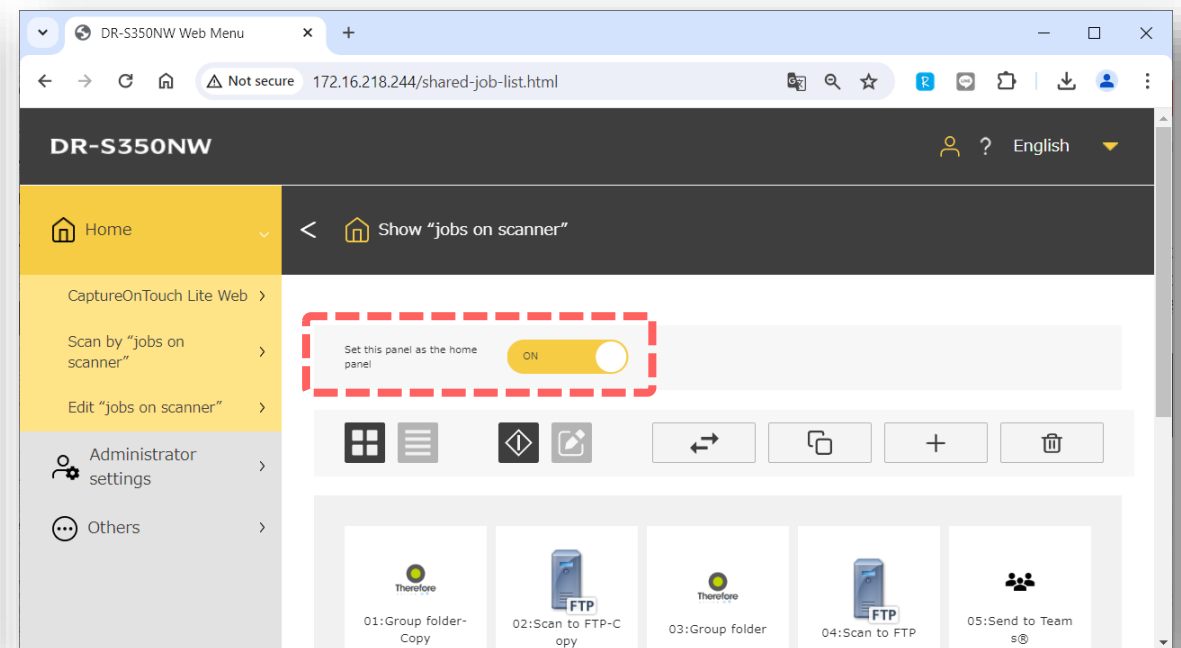
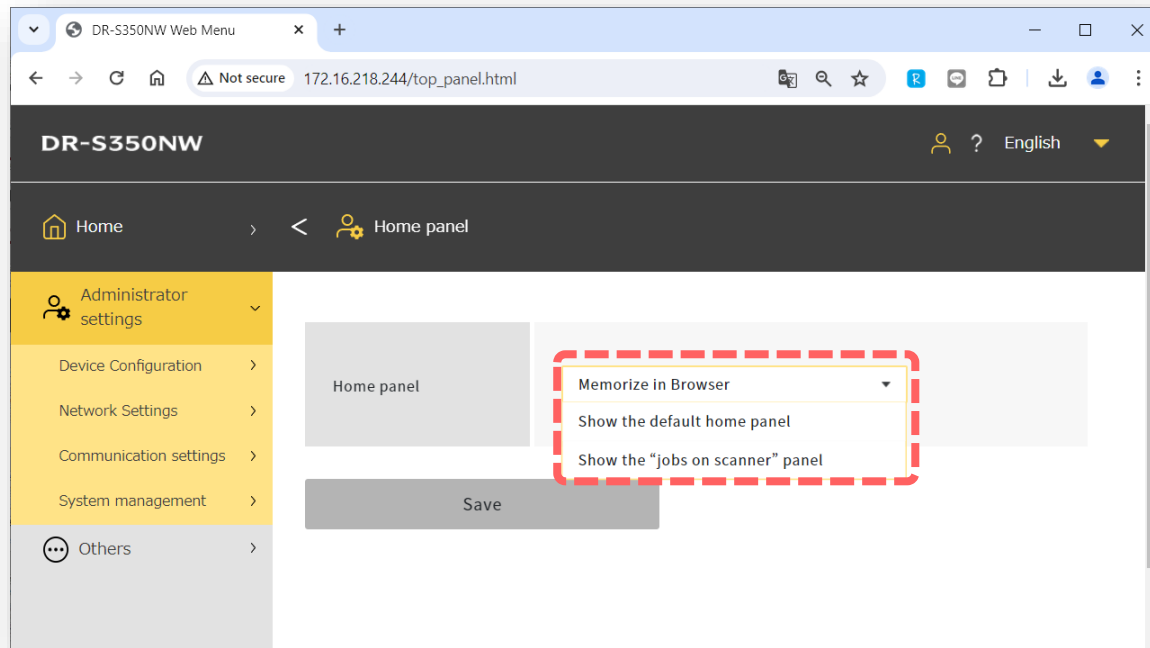


WEB MENU ENHANCEMENT

Improvement
DR-S350NW / DR-S250N version-up

You can change the HOME screen as you prefer

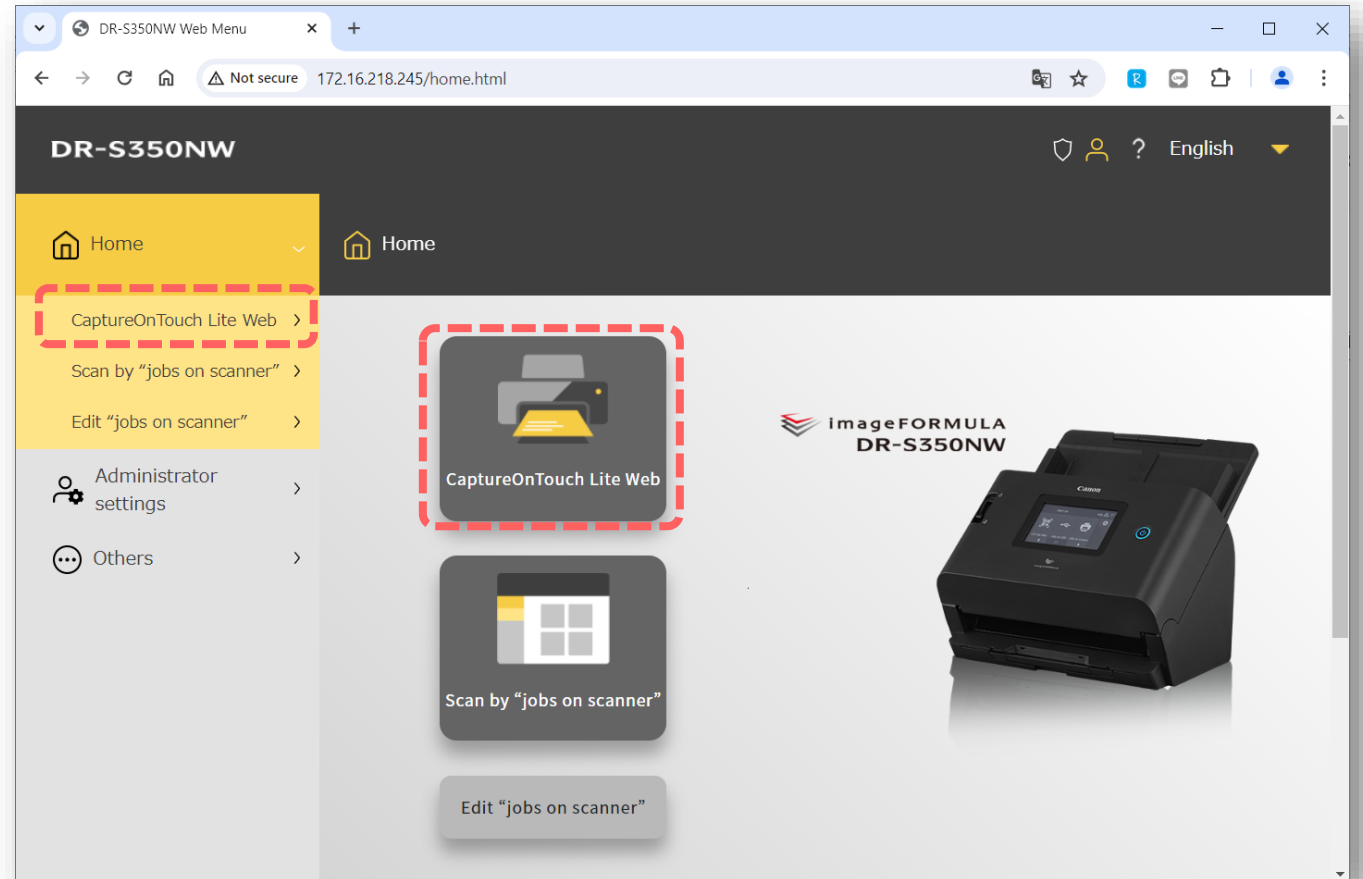
- Depending on the customer use case, the user can choose the top screen from the default screen (Same as current DR-S250N) or the scan job screen for the web menu.
- This preference can be changed by each web browser on your device too.



Users can set scanner job screen as TOP screen by selecting [Memorize in Browser] to [Home panel] and setting [Set this screen as the home panel] ON in the scanner job screen.

CAPTUREONTOUCH LITE WEB

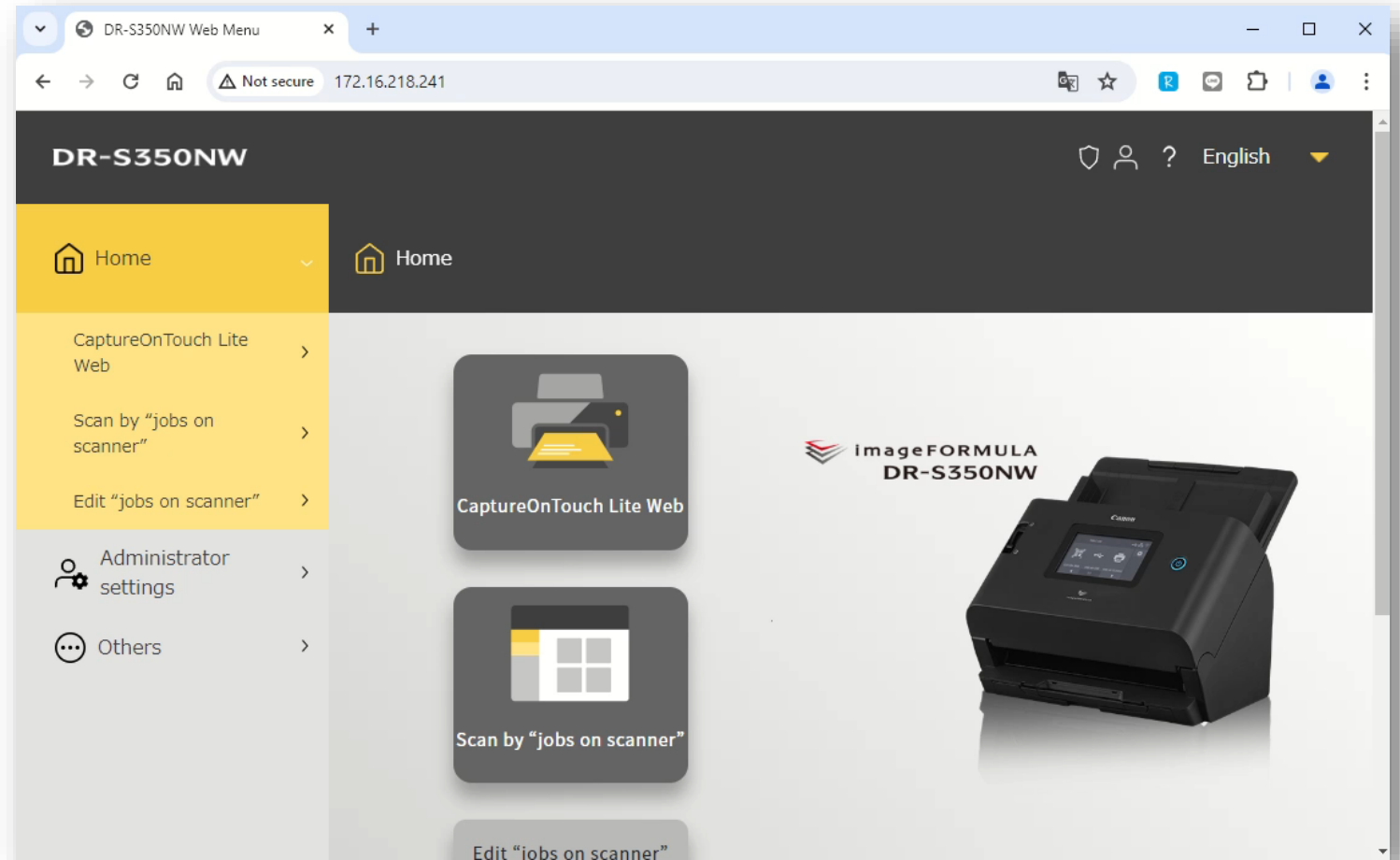
- Scan without any software installation.
- Scanned images will be saved on the devices.
**Cannot specify the folder. Depending on the OS, browser, or device saving folder is different.*





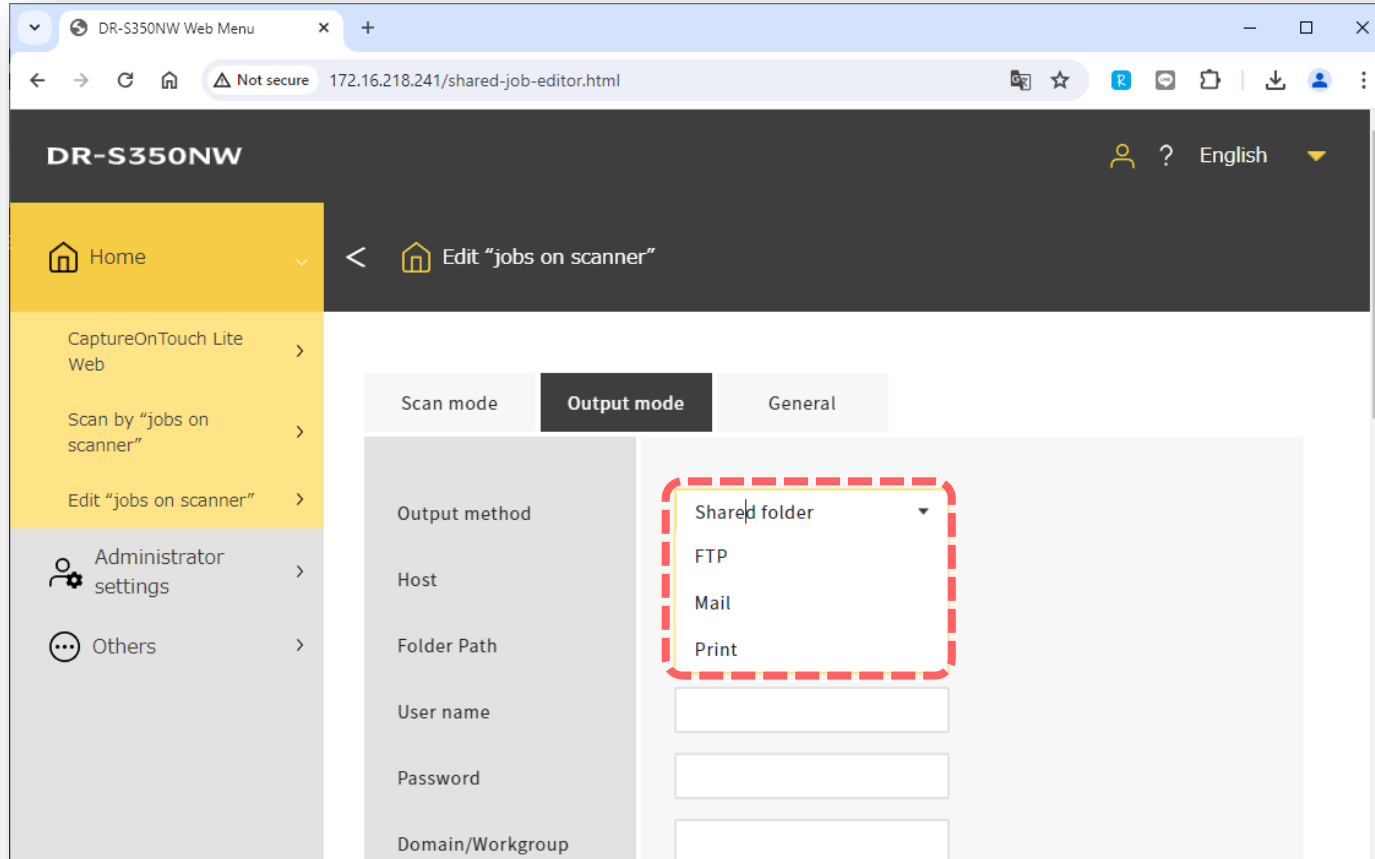
CAPTUREONTOUCH LITE WEB

- How to use CaptureOnTouch Lite Web from smart devices and computers.

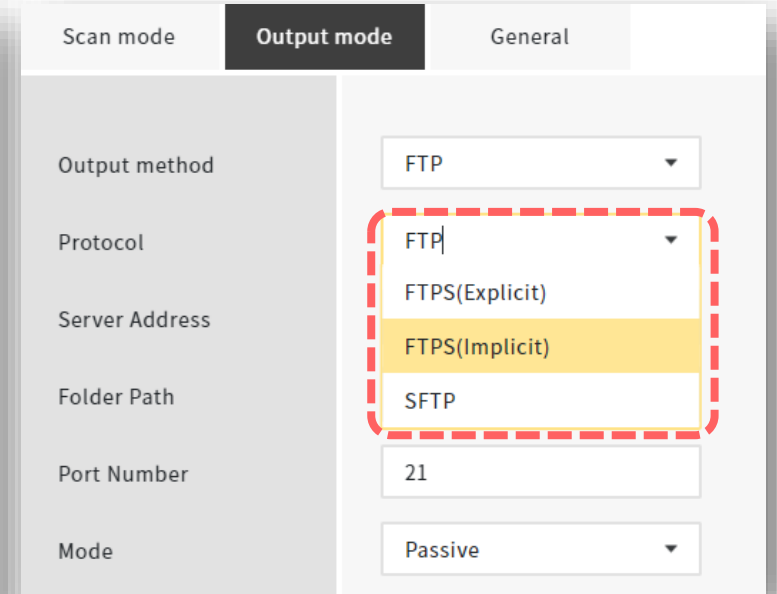


DIRECT SCANNING FUNCTION SETTINGS AND SCANNING

- Various sending options are supported.
 - Shared Folder, FTP, FTPS, SFTP, Mail and Print.









FTP options



EXPAND SCAN TO FUNCTION

- Moreover, using scan- to-mail function users can directly send scanned data to Teams/ Slack group chat.



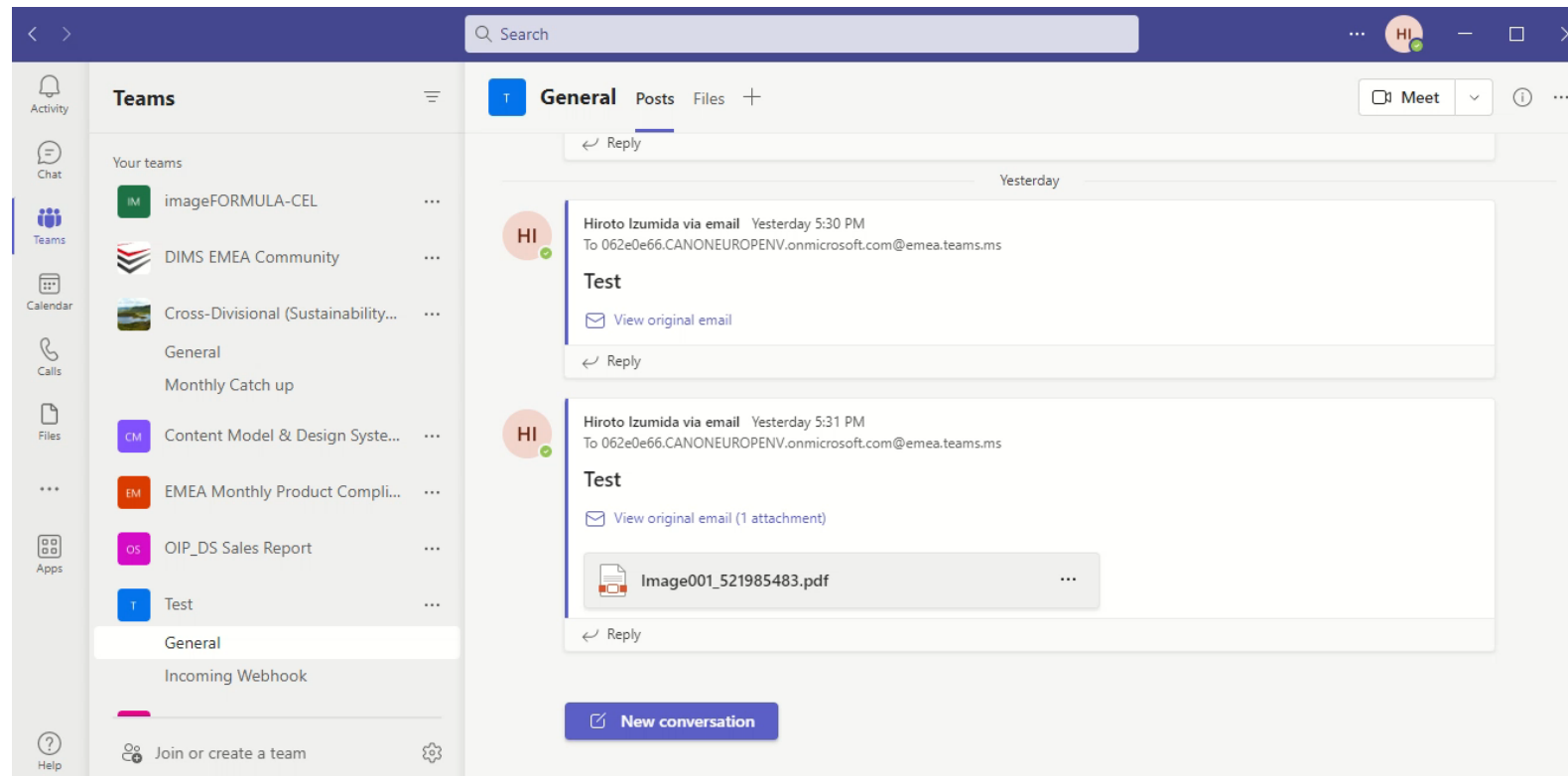
 Shared folder	 Mail	 Printer
 FTP	 FTPS	 SFTP

*Scan to printer function is available only with printers supporting FTP function.



SCAN TO TEAMS GROUP CHAT

- Using the scan-to-mail function, you can send the scanned image to the group chat as Teams group chat has a mail address. (Individual person's chat does not have mail address)



SCAN TO TEAMS GROUP CHAT

- From the Edit “Jobs on scanner” setting, select Mail for Output method and paste the address to “Send to address”

A screenshot of a web browser showing the 'Edit jobs on scanner' configuration page for a DR-S350NW scanner. The page has a dark header with the model name and a language dropdown set to 'English'. A left sidebar contains navigation options: Home, CaptureOnTouch Lite Web, Scan by "jobs on scanner", Edit "jobs on scanner", Administrator settings, and Others. The main content area has three tabs: 'Scan mode', 'Output mode' (which is active), and 'General'. Under the 'Output mode' tab, there are several input fields: 'Output method' is set to 'Mail'; 'Send to address' contains '062e0e66.CANONEUROPE' and is highlighted with a red dashed box; 'From address' contains 'DR-S350NW@test.com' and is also highlighted with a red dashed box; 'Sender password' is an empty field. Below these, 'File name' is set to 'DR-S350NW test' and 'Date' is set to 'None'.

*Mail server setting is necessary.

New

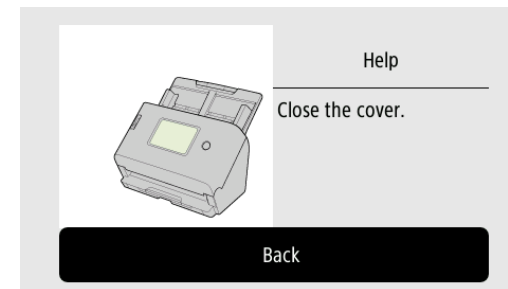
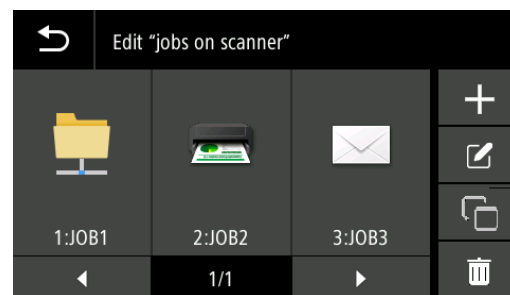
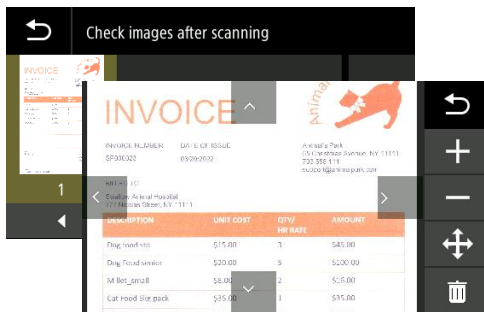
INTUITIVE, EASY-TO-USE TOUCH PANEL

Similar “easy to use” experience like Canon MFP device

The DR-S350NW has large 4.3” color touchscreen LCD display which provides 3 news features below :

1. Preview scanned images when you scan using job button on the panel
2. Edit direct scanning jobs form the panel (with the DR-S250N you can only create/edit the job on the web menu)
3. Display help screens with GIF animation and text

Users will have similar experience in using the DR-S350NW compared to using a Canon MFP device, making it quick and easy to learn how to operate and will also help reduce errors and mis-operation.





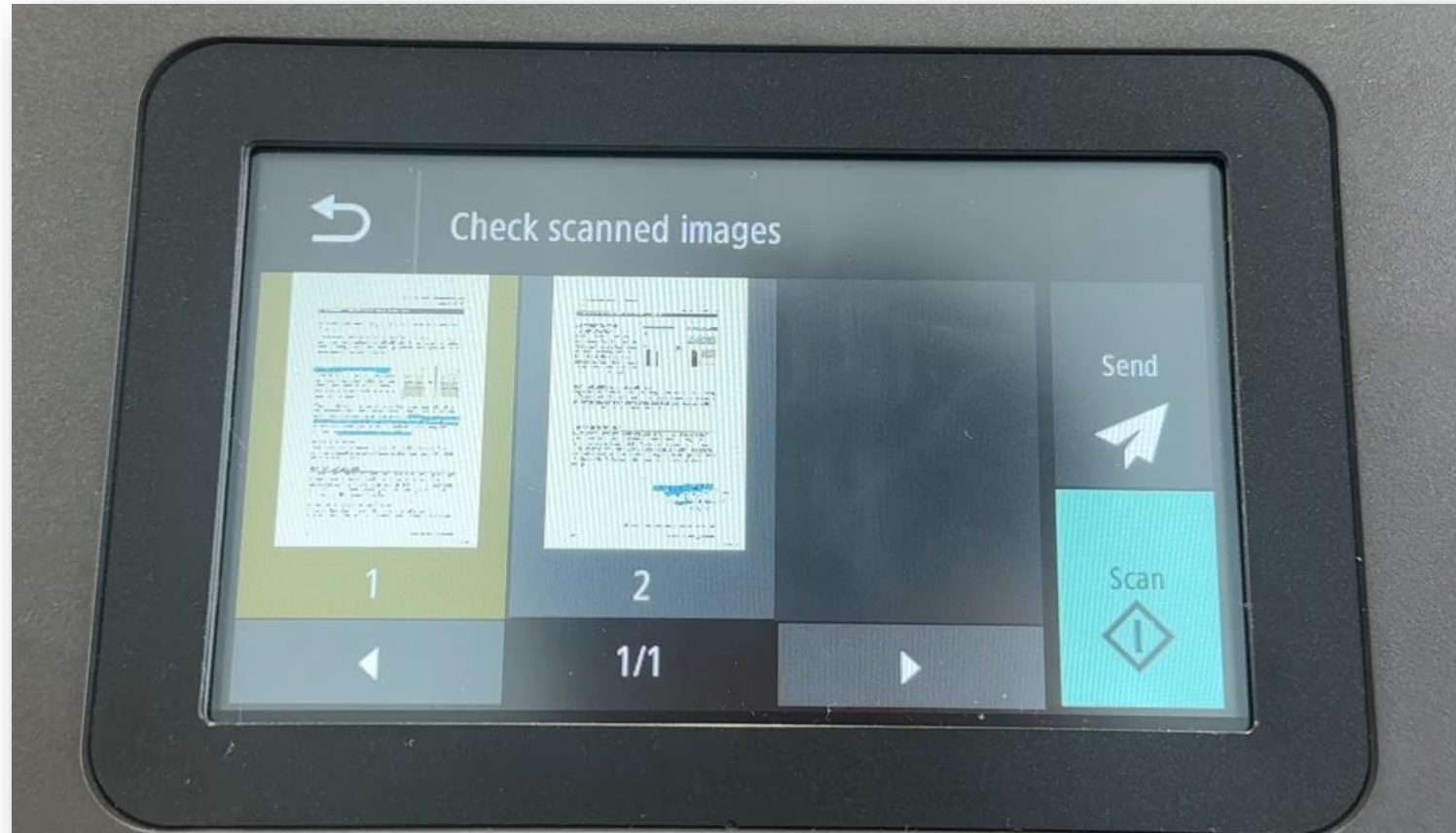
New

PREVIEW SCANNED IMAGES

You can preview scanned images on the panel when executing the scanner job

With DR-S350NW's 4.3 inch color LCD display, you can check if documents are properly scanned before you save it to the destination.

You can enable and disable this feature per each job button.





New

EDIT DIRECT SCAN JOBS

Edit the direct scanning jobs from the touch panel

Even without a PC, DR-S350NW allows the user to change the direct scanning job setting from the panel. It helps especially to change only a few settings as the user does not need to back to their desk for the editing. Also possible to create a job as well.



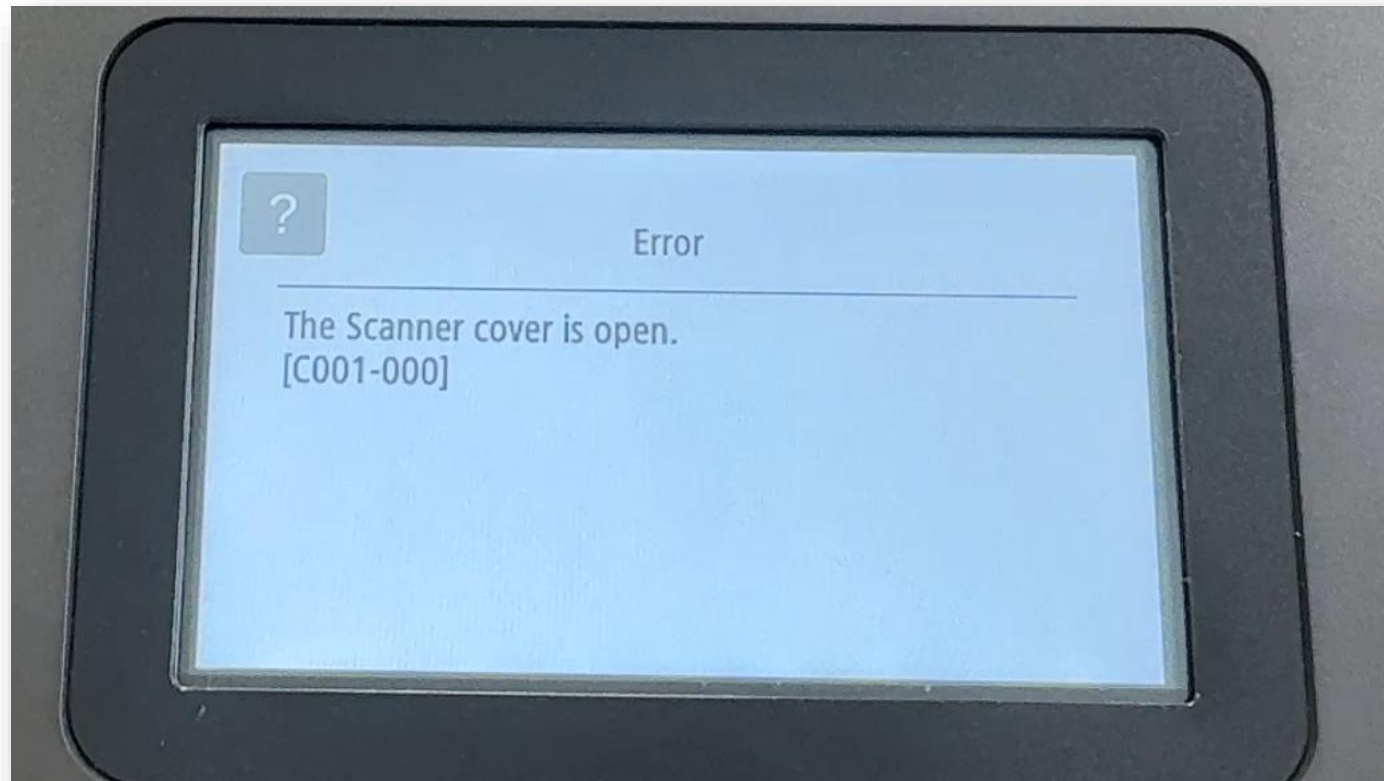


New

GIF ANIMATION AND INSTRUCTIONS

Minimize the downtime by GIF animated instruction

This GIF animation can help the operator to solve some issues without the IT administrator's support. This contributes not only to shortening the downtime but also reduces IT workload and can avoid service callout.



OTHER ENHANCEMENTS



imageFORMULA
DR-S350NW



CAPTURE ON TOUCH LITE WEB IMPROVEMENT

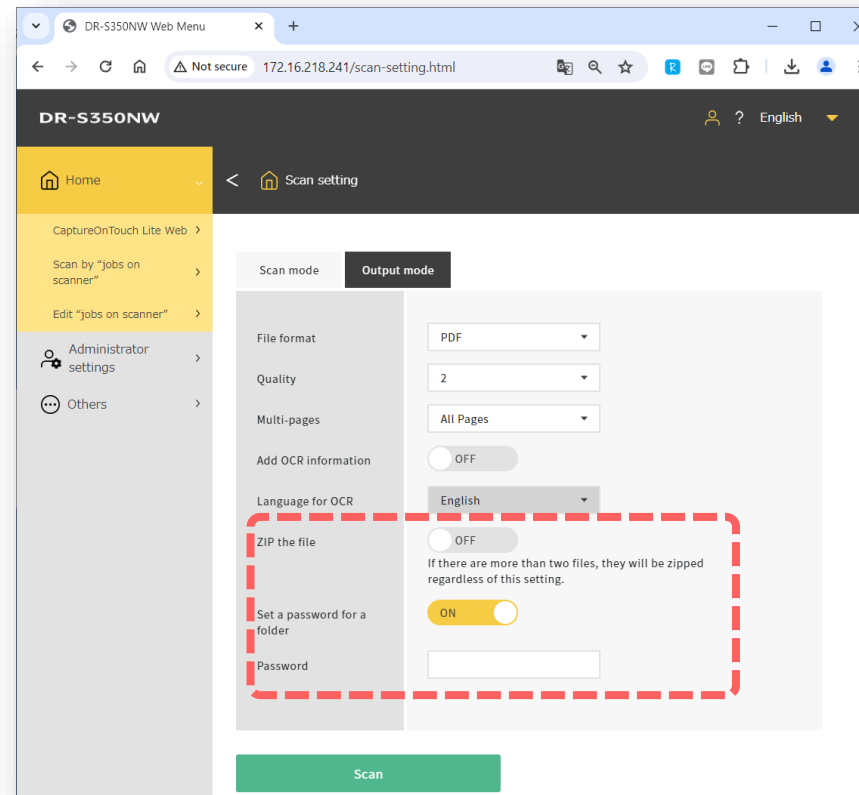
Improvement
DR-S350NW / DR-S250N version-up

Add PDF, TIFF, JPEG to saving format in addition to ZIP

With the first release version of CaptureOnTouch Lite Web you could only save the scanned image as a ZIP file, which was inconvenient as needed additional step to unzip files. With that feedback, we made an improvement to support saving to additional formats including PDF, TIFF and JPEG. However if user needs to save and create multiple separate files then will still need to save as a ZIP file.

For enhance security you can now additionally set a password to open the ZIP file.

	1 page	Multi pages
Single PDF	PDF/ ZIP	ZIP
Multi PDF	PDF/ ZIP	PDF/ ZIP
Single TIFF	TIFF/ ZIP	ZIP
Multi TIFF	TIFF/ ZIP	TIFF/ ZIP
JPEG	JPEG/ ZIP	ZIP



FLEXIBLE USE FOR DIVERSE ENVIRONMENTS (CONNECTION)

Easy sharing with no need to switch LAN/USB

Both wired/wireless LAN and USB connections are available for the DR-S350NW. LAN connection enables to share the scanner with multiple PCs on the network. IPv6 is also supported and can be used in various offices.

Furthermore, unlike DR-S150, USB and wired/wireless LAN connection settings on the main unit is not required. DR-S350NW can be used when being connected with both USB and wired/wireless LAN. Issues such as “Cannot use the scanner due to the wrong connection settings” are addressed, and operating steps are reduced by this improvement.



COMPLY SECURITY REQUIREMENT

Support Ethernet, WiFi 5, and WPA 3

While DR-S250N supports Ethernet and USB, DR-S350NW supports Ethernet, USB, and WiFi. And DR-S350NW is the first imageFORMULA scanner to support WiFi 5(5GHz). Also DR-S350NW complies with WPA3 standard as well. With them, DR-S350NW supports and comply the latest and secure network technology.

Method#	ix1600	DS-C480W	Canon TS8730	DR-S350NW
Open	?	?	?	No
WEP	Yes	Yes	No	No
WPA	Yes	No	Yes	Yes
WPA2	Yes	Yes	Yes	Yes
WPA3	No	Yes	Yes	Yes

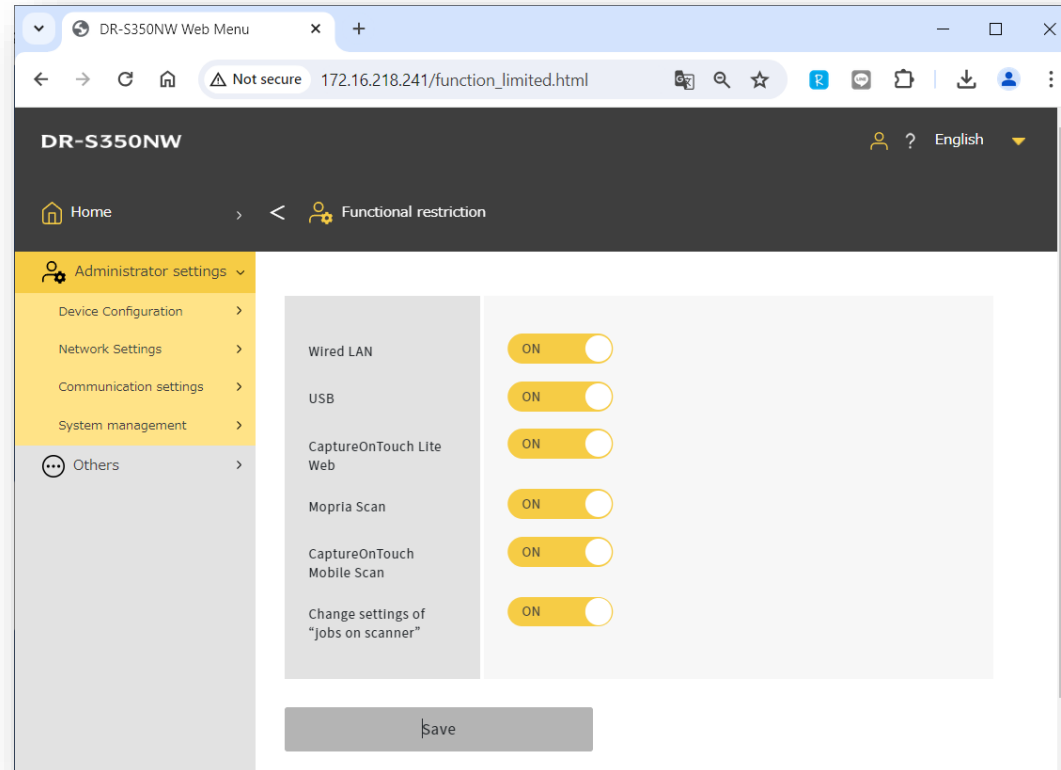
Competitive comparison

COMPLY SECURITY REQUIREMENT

Improvement
DR-S350NW / DR-S250N version-up

Support connection mode restriction

Security requirements for office equipment vary per customer's environment. In some cases, you may want to disable the WiFi feature. In other cases, you might even restrict Ethernet and/or USB. With this, DR-S350NW has a feature to disable those connection modes by the administrator.

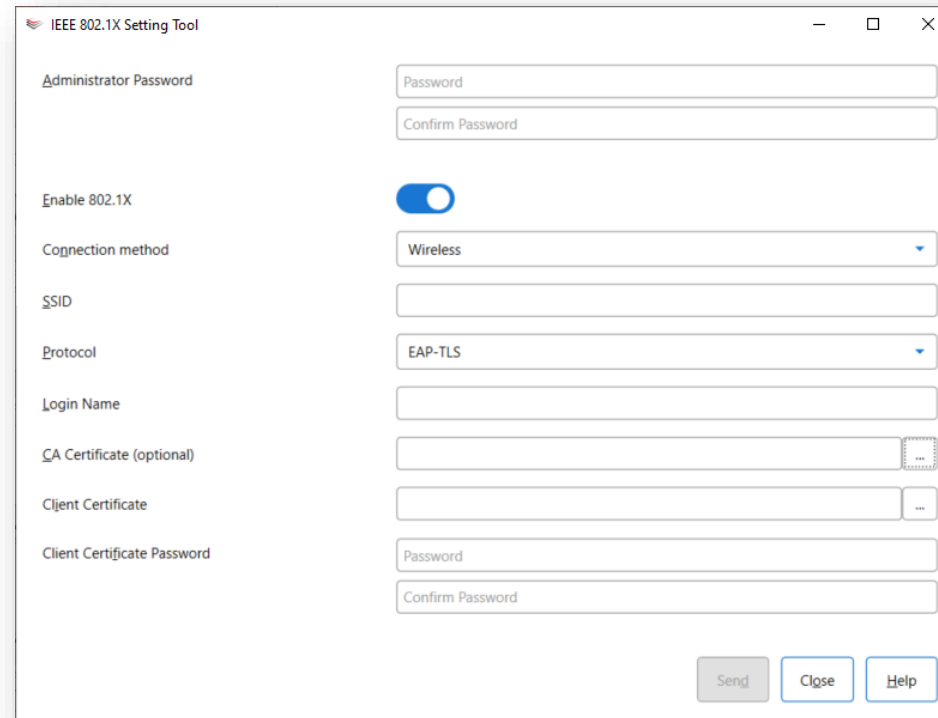
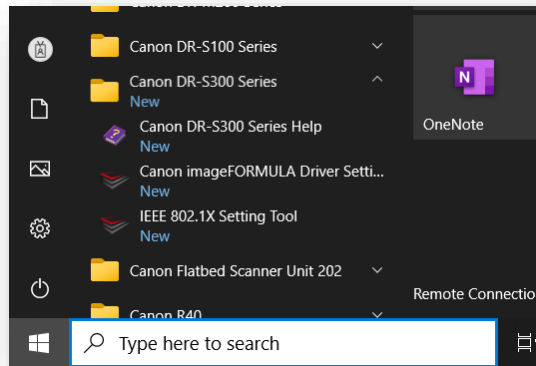


COMPLY SECURITY REQUIREMENT

Improvement
DR-S350NW / DR-S250N version-up

IEEE 802.1X Setting Tool is available

- To implement the DR-S350NW to the network that requires IEEE802.1x authentication, new tool is available.
- This tool is installed with driver and store in the driver folder in Windows start menu.



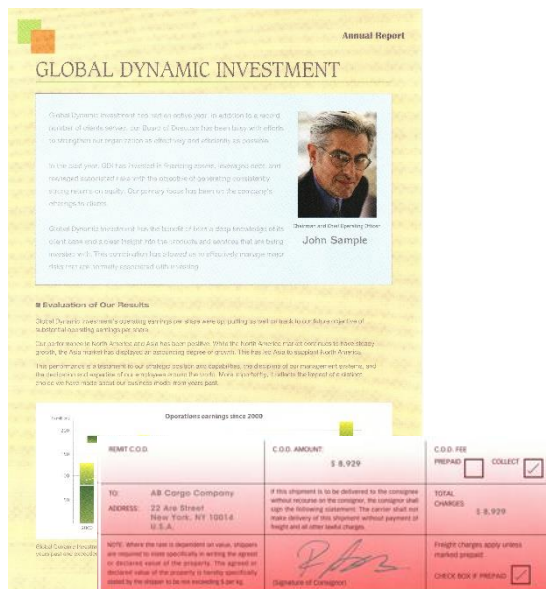
ENHANCED BLACK & WHITE MODE FOR DRIVERLESS SCANNING

Improvement
DR-S350NW / DR-S250N version-up

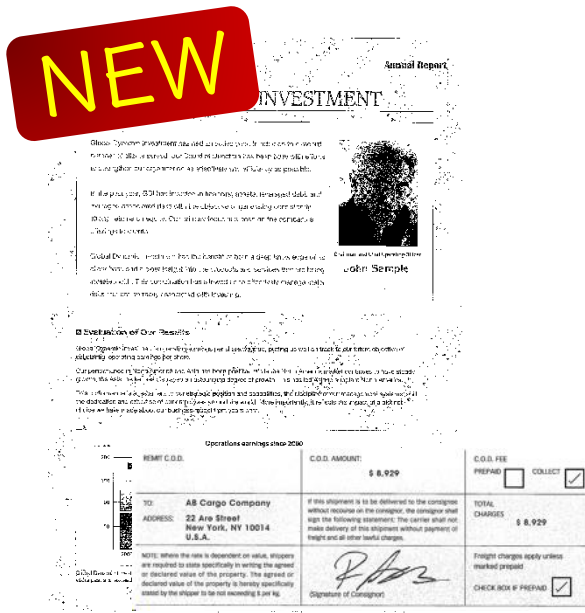
High-quality binarization is available

A new enhanced binarization feature is developed for CaptureOnTouch Lite Web and PC-less scanning to give more readability for scanned images. This binarization mode is designed based on the Advanced Text enhancement mode technology for the ISIS/TWAIN driver.

The name on the user interface is “Black and white”.

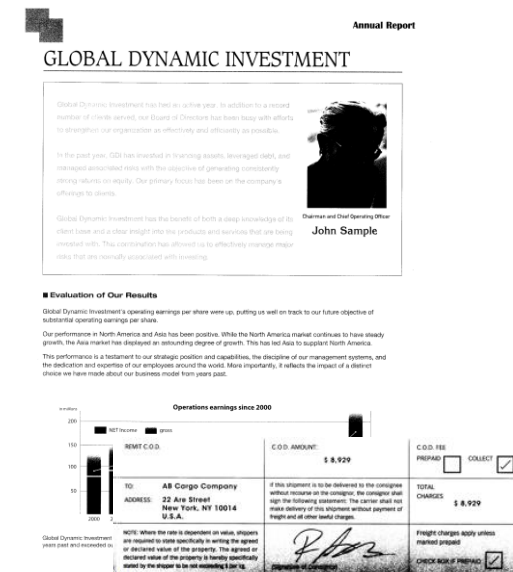


Colour scanned image



New Black & White mode

Enhance characters even with a coloured background



Current Black & White mode

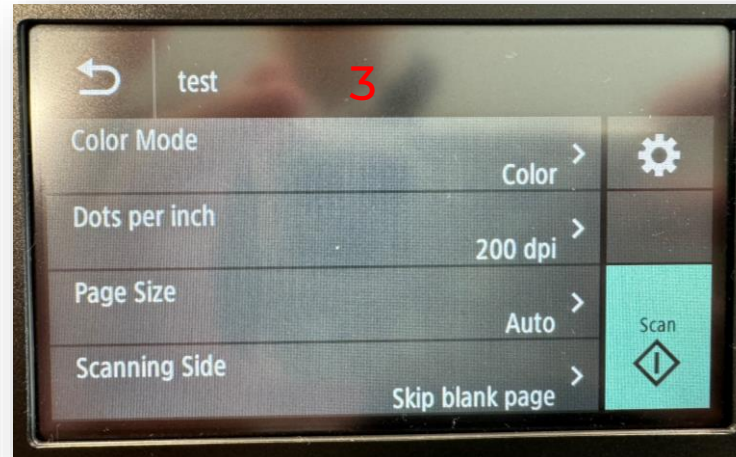
Difficult to read thin/light characters
Difficult to read characters on a coloured background


ADVANCED DIRECT SCANNING

Functions and usability are significantly improved

DR-S350NW has a direct scanning function enabling users to scan and send the data without a computer or smart device, by registering Scan Jobs for routine scanning tasks and preconfiguring scan/send settings beforehand. This function helps increase accuracy and reduce human errors often caused by users adjusting settings unnecessarily. The DR-S350NW direct scanning function includes not only the OCR recognition but also the flexibility for users to change the registered scan settings temporarily. For example, users can scan documents marked with colour marker in 24bit color by a scan job even though the original color mode setting is B&W, or can turn off the Ultrasonic double-feed detection only when a user scans documents including an envelope.

Also, IT Administrators can also prohibit users from temporally changing settings from the WEB Menu.



1. Choose the Job.
2. Click the  button.
3. You can change some settings temporarily.

DETECTION OF THE SEPARATION LEVER STATUS

Achieve high scanning productivity by reducing misoperation

- The DR-S350N detects the separation lever's condition to turn on/off. And automatically disabling the ultrasonic double-feed detection if the lever condition is off.
This mechanism eliminates the user's effort to re-set and re-scan due to an error of the double-feed detection.
- Also, the scanner automatically adjusts the image data suitable for each mode to create the one without stretch in both of separation and non-separation mode.

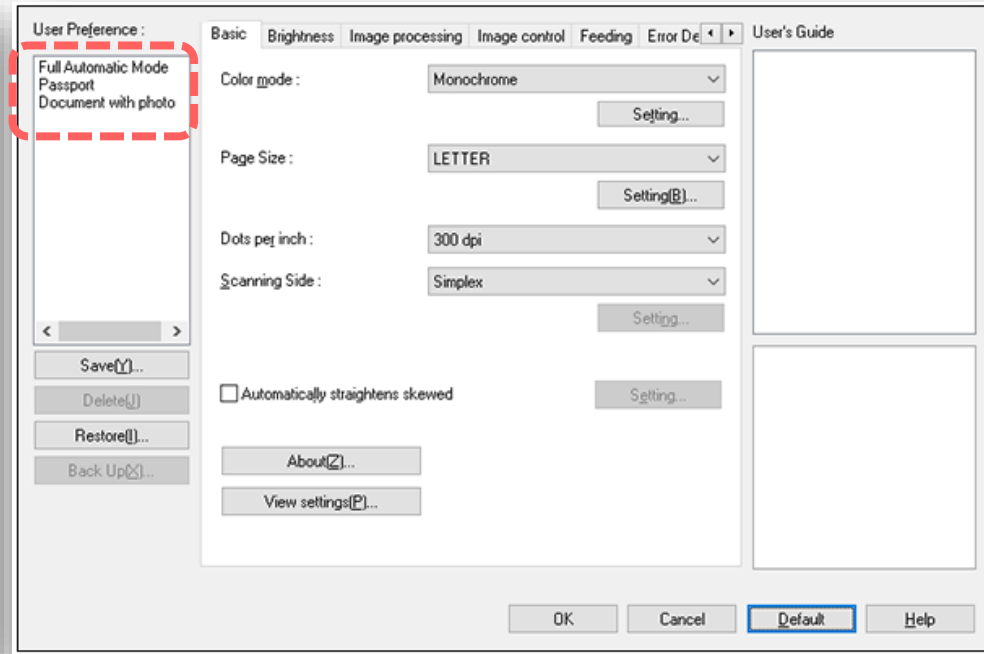
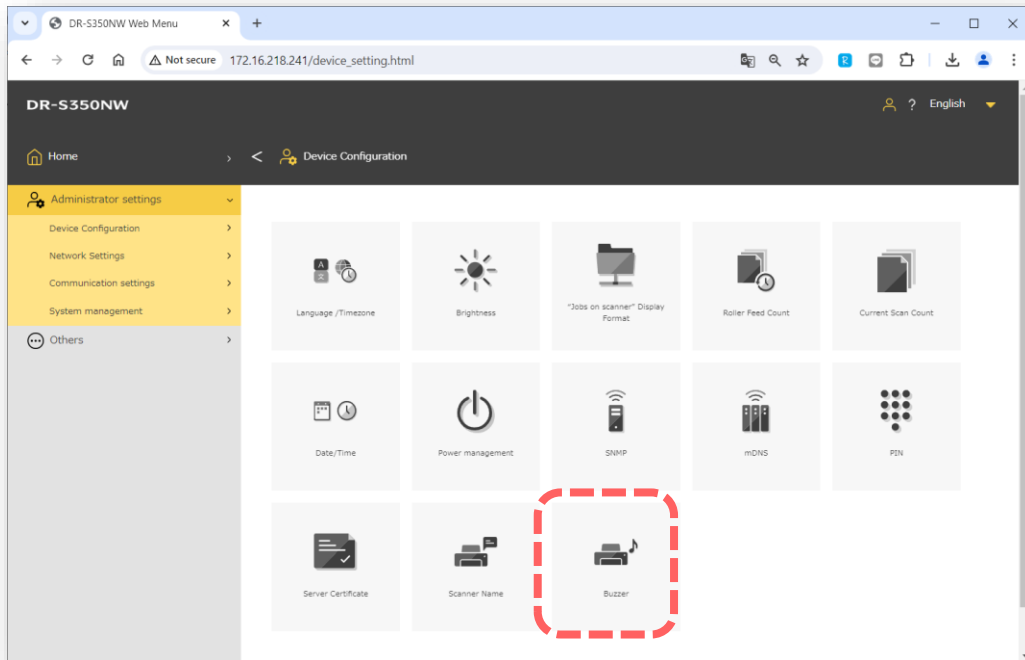
[Note] Users can manually turn on ultrasonic double-feed detection as well



BUZZER & PRESET

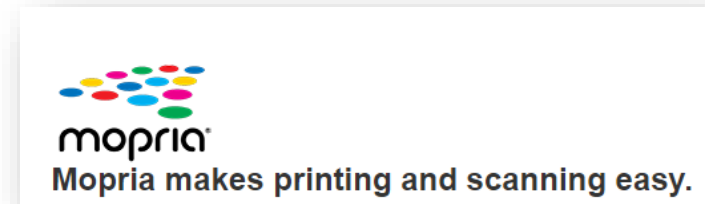
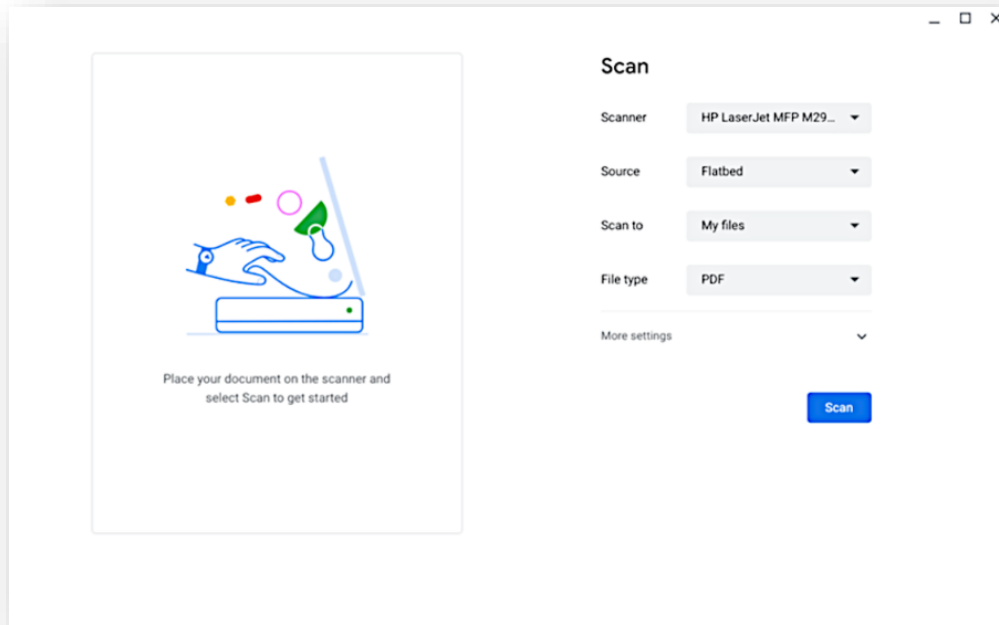
Add functions meeting various needs to achieve better usability

- Buzzer function let users realize an incident with sound even if they don't keep eye on the scanner. This function can be set with WEB Menu.
- Preset settings, registered to the driver as a default settings, allows users to scan delicate document such as passport.



CHROME OS SUPPORT AND MOPRIA CERTIFY

- Users can scan their documents simply by selecting the scanner from the default application of the Chrome OS, no need to install any driver nor application. The function is supposed to be used especially for educational scene where the Chrome OS is quite popular.
- DR-S350N will be Mopria certified, like the DR-S250N, where very few competitors have this certification.



*USB connection is NOT supported.

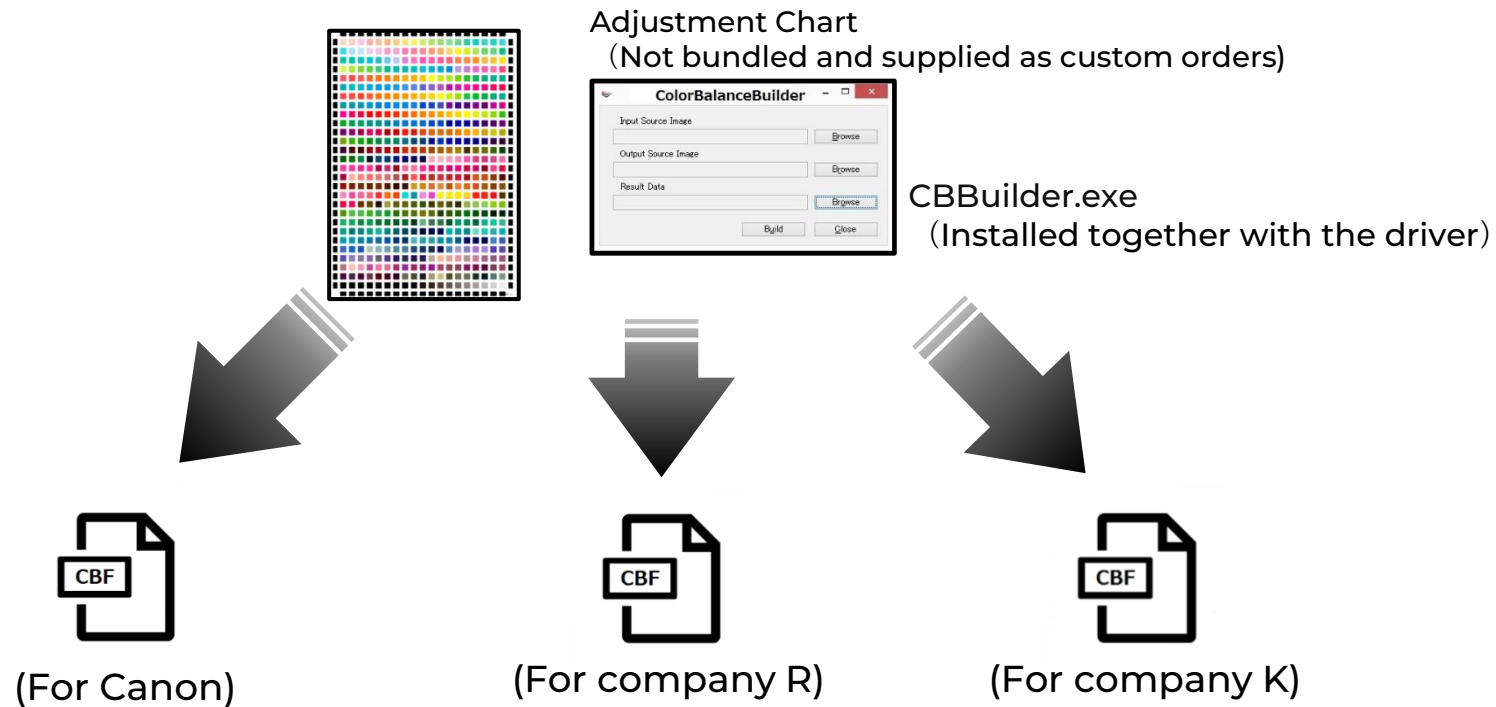
COLOUR BALANCE ADJUSTMENT FUNCTION: MAC SUPPORT

Can change the colour balance of the output image

Colour Balance Adjustment function allows users to gain similar output images (brightness & colour) for the competitive machines or existing Canon models. This function is helpful when replacing incumbent scanners under the situation that the customers have adjust their backend system to the output images of them.

Colour balance of the DR-S350NW driver outputs can be changed by that sales company or administrator make correction data by CBuilder application in advance and install this correction data into the driver when scanning. For the DR-S350NW, this can be used on macOS in addition to Windows OS.

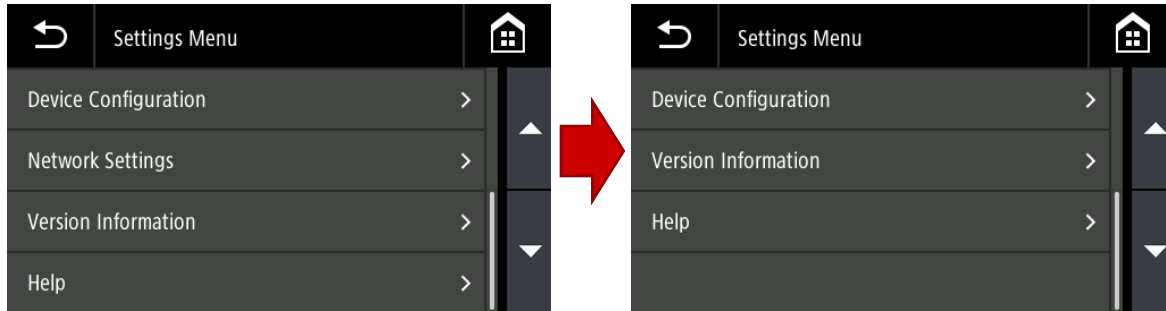
[Note] CBuilder can be used with Windows only.



UI CUSTOMIZATION SDK

The display can be customized for each user's demand

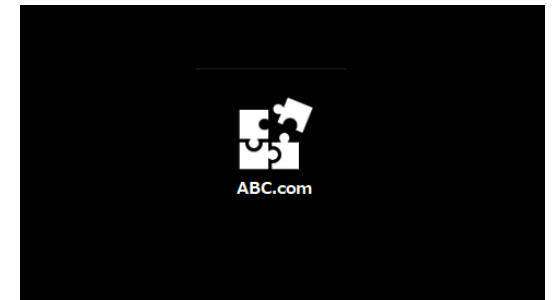
The display can be customized with UI customize SDK. Display contents can be flexibly changed; hide contents which IT administrator would not like operators to see, optimize the contents for user's workflow, display corporation logo and so on. The DR-S350NW can become the "exclusive" device optimized for each user.



Hide specific contents



Customization of initial screen



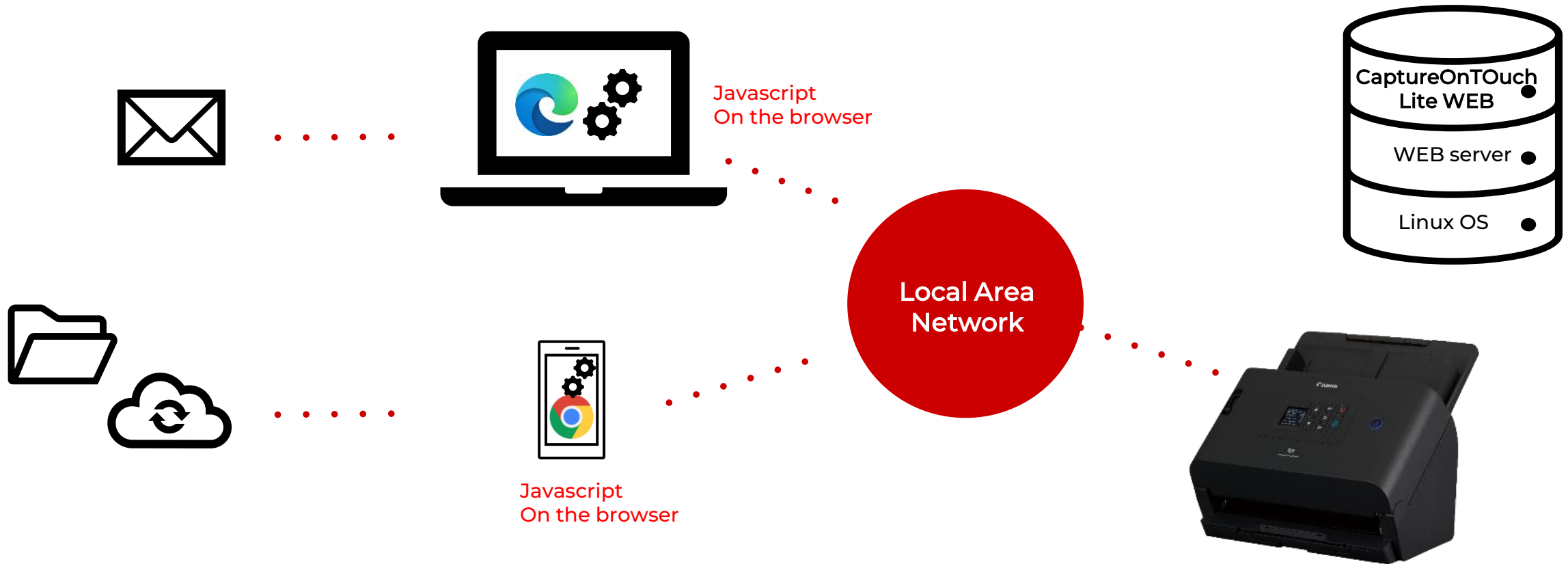
Display corporation logo

CAPTURE ON TOUCH LITE WEB SDK

New

Will be available to DR-S250N too

- Using this SDK, users can use CaptureOnTouch Lite WEB functionality from ISV/customer applications.
- On top of that, the SDK allows the application to send the scanned images to other solutions etc..
- In terms of development, we offer Javascript libraries so that the developers do not need deep knowledge of the scanning process.

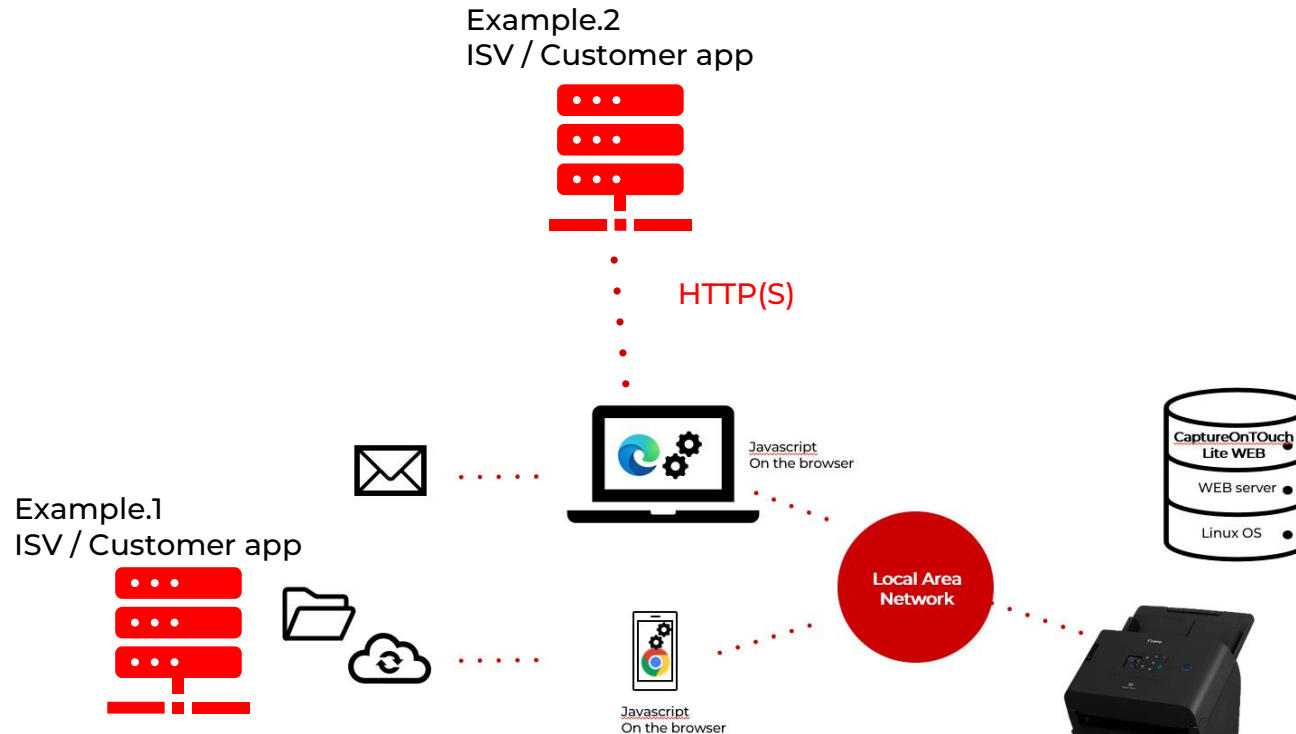


CAPTURE ON TOUCH LITE WEB SDK

New

Will be available to DR-S250N too

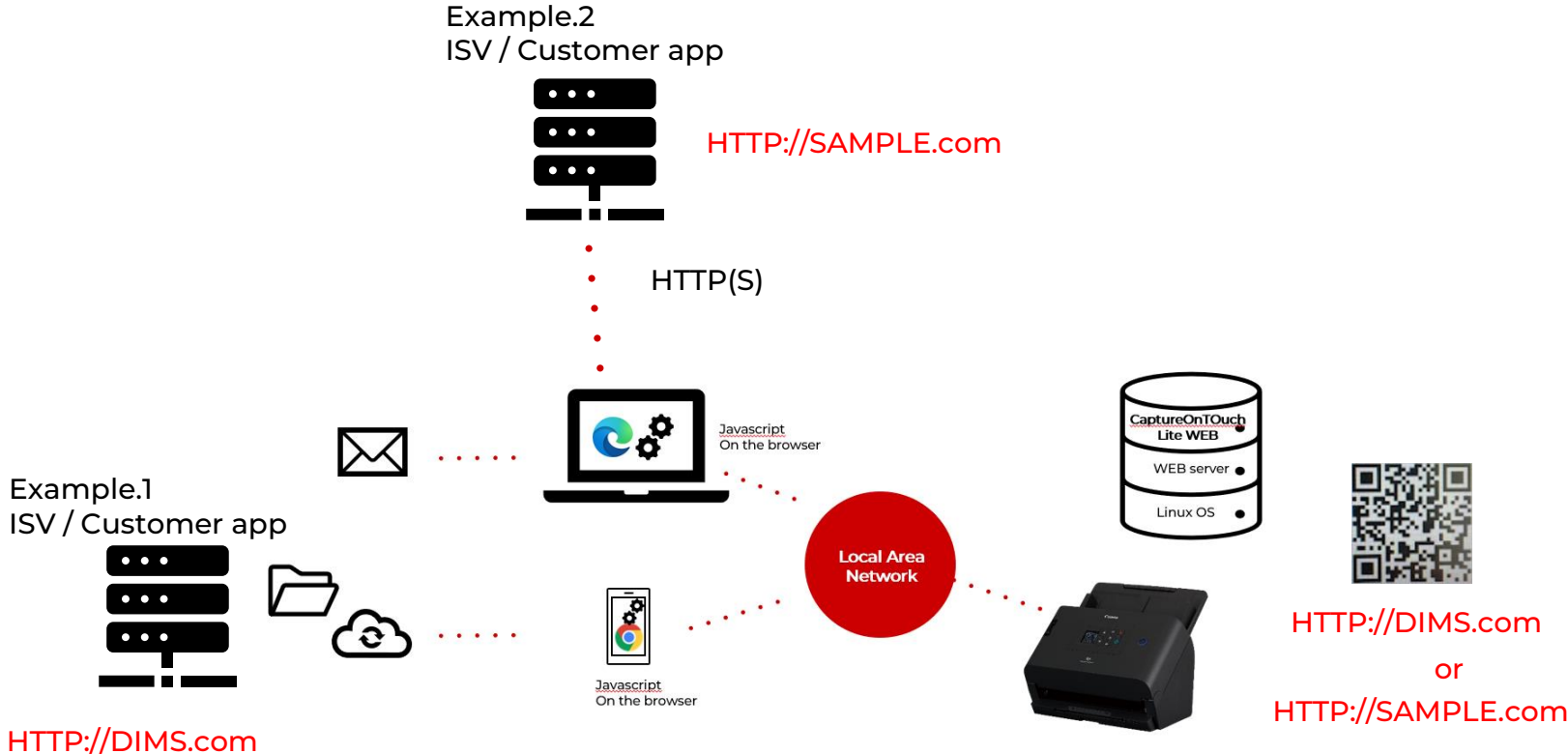
- The ISV/customer application can run wherever at least the browser can connect via HTTP(S) protocol.
- Once users connect ISV/Customer app via HTTP(S), Javascript will start working on the browser.
 1. Customer application is running at the same server as file sending destination.
 2. Customer application is running at the different server from the file sending destination.



CAPTURE ON TOUCH LITE WEB SDK

New
Will be available to DR-S250N too

- Using with UI customization SDK, possible to show the ISV/Customer application's URL by QR code format on the touch panel.



TARGET CUSTOMERS AND APPLICATIONS



imageFORMULA
DR-S350NW



TARGET CUSTOMERS AND APPLICATIONS



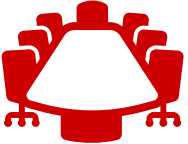
Co-working space / Branch Office

➤ Application form, ID card etc..



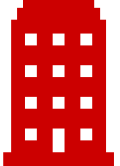
SME

➤ Tax payment documents, Invoices, delivery slips, etc..



Medium Enterprise

Tax payment documents, Invoice, delivery slip etc..



Enterprise & Government

Record/archive multiple documents to comply with legal policy.



Education

Homework, examination paper



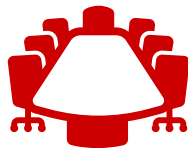
TARGET CUSTOMERS

Why does DR-S350NW meet the various types of customer's needs?

Co-working space / Branch Office



- CaptureOnTouch Lite WEB
- Smart devices / PC / Mac
- WEB menu



- Direct Scanning / CaptureOnTouch
- PC / Mac
- DR Management Tool

Medium Enterprise



- Direct scanning
- PC / Mac
- WEB menu

SME



- COT Admin / CaptureOnTouch scanning
- PC
- COT Admin

Enterprise & Government



- Chromebook scanning
- Education

DR-S350NW SOLUTIONS

DR-S350NW supports various scanning methods and management tools.

Scanning options



Simple & Easy



Rich & Full

- CaptureOnTouch Lite WEB
- Direct Scanning
- CaptureOnTouch Pro
- COT Admin

Supported devices



- Smart Devices
- Chromebook
- Mac
- PC

IT Tools



- WEB Menu
- DR management tool
- COT Admin

SUPPORT 3 TYPES OF SCANNER MANAGEMENT METHOD

IT Manager can choose the best option for Management suit for the user's environment

- The IT Manager can choose the best option from 3 tools based on the purpose of the management.

	WEB Menu	DR scanner management tool	COT Admin
Main purpose	Manage single DR-S250N	Manage several scanner/models	Manage users Enhance driverless scanning
Outlook	Set and restrict functions of scan jobs registered to the scanner and scanner itself.	<ul style="list-style-type: none"> Reflect common settings to several scanners Can important scanner settings. Also, can distribute Driver/CaptureOnTouch, Jobs of CaptureOnTouch. 	<ul style="list-style-type: none"> Enhance driverless scanning via server, provide user authentication function and simple log-on function with NFC. Provide a central management environment for IT manager to register push scan job
Advantages	<ul style="list-style-type: none"> Manage from the browser and installation is not required. Users can operate not only from a PC but also from smart devices. 	Both USB and N/W scanners can be managed.	Support User management/ authentication method linked with Active Directory

ENVIRONMENTAL INITIATIVES



ENVIRONMENTAL INITIATIVES

Power saving

Less than **28W(TBD)**

*All the values are TBD

	DR-S350NW
Operating	28W
Sleep	2.0W
Power Off	0.3W or less



Saving resource

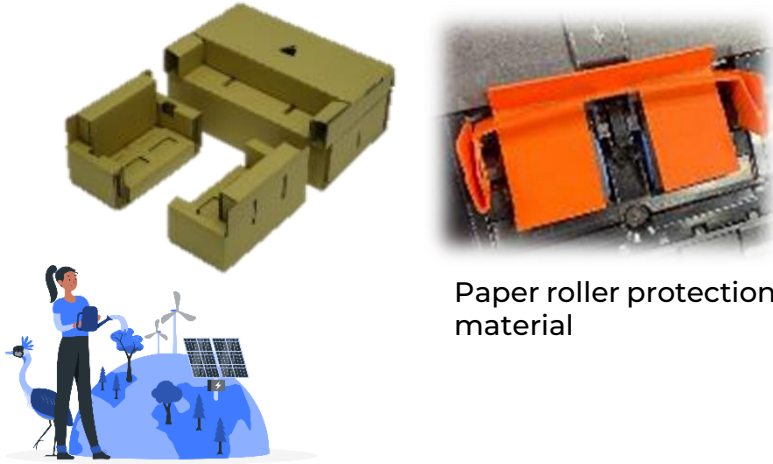
Saving resource by reducing the number of parts while maintaining high quality.

<Product weight>



Canon

Plastic less packing



Paper roller protection material

High durability consumables

Reduced waste by making consumables highly durable

Exchange roller durability

200,000



250,000

Use of recycled materials

Recycled plastic
More than
22g, 11.3%



Corrugated Cardboard Recovered
Paper Content Ratio

More than **80%**

Environmental friendly factory

New Factory (2022 Aug)

CO₂ reduction
265t / year

1. Solar power system
500kW in addition to Current 5970kW
2. Reduction in power consumption
Reduction in electricity consumption
due to highly efficient building



BENEFITS FOR SUTANABILITY



REDUCE POWER CONSUMPTION

Lower power consumption enables to operate the scanner with **low costs** and to have **less impact** on the environment.



LESS PLASTIC CONSUMPTION

- Stop bundling **plastic disc** to reduce the usage for plastic and not reusable materials
- **Packed** with reusable and biodegradable materials



ECO LABEL

The DR-S350NW meets the requirement for **EPEAT Gold** (U.S. certification – *still to be confirmed*)

BASIC SPECIFICATIONS



SPECIFICATIONS (HARDWARE)

Item	Specifications
Type	Desktop type double-sided capturing sheet fed scanner
Scanning Speed (Maximum)	50 ppm / 100 ipm
Sensor	CIS
Optical resolutions	Up to 600dpi
Output resolutions	100/150/200/240/300/400/600/1200 dpi
Background color	White
ADF Feeder capacity (80g/m ²)	A4/ LTR size : 60 sheets Larger than A4/ LTR : 40 sheets
Interface	USB: USB3.2 Gen1, Ethernet : 10Base-T/100Base-TX/1000Base-T Wi-Fi: 802.11a,b,g,n,ac USB host : USB2.0 Type A (Only for NFC reader)
Suggested Daily Volume	6,000 ~ 9,000 papers
Size (W x D x H)	291(11.46") × 267(7.13") × 242(3.66")mm (With tray closed)
Weight	Approx. 3.4kg (2.2 lb.)
Power consumptions	Scanning : 28W or less In sleep mode : 2.0W Power off : 0.3W or less
Others	EPEAT Gold (TBD)

SPECIFICATIONS (SCANNING SPEED)

	B&W / Grayscale		Colour	
	Simplex (ppm)	Duplex (ipm)	Simplex (ppm)	Duplex (ipm)
200 dpi (100/ 150 dpi)	50	100	50	100
300 dpi (240 dpi)	50	100	40	80
400 dpi	30	60	15	30
600 dpi	20	40	10	20

SUPPORTED DOCUMENTS

Document size

	Width	Length	Thickness	Note
Minimum	50.8 mm(2.0 inch)	54 mm(2.1inch)	0.04mm(27g/m ²)	<ul style="list-style-type: none"> Supported minimum size of normal document is A8(52×74mm) and thickness is 127g/m²~209g/m² Supported length in long document mode is 54mm-5588mm
Maximum	216 mm(8.5 inch)	356 mm(14.0 inch)	Separation : 0.25mm(209g/m ²) Non separation: 0.30mm(255g/m ²)	<ul style="list-style-type: none"> Supported thickness of document larger than A4 size is 52-209g/m² Supported size of document with thickness from 27g/m² to less than 42g/m² is from 180×85mm to B5 or less

Special documents

Type	Y/N	Limitations & Document sizes
Carbon paper	No	
Pressure-sensitive paper	Yes	Feeding only from binding side. Downside up scan is not available.
Punch hole paper	Yes	Up to φ8mm, 2/3/4 holes paper only.
Business card	Yes	W : 50-55mm L : 85-91mm Thickness : 128~255g/m ² (0.15-0.3mm) , Horizontal feeding only
Post Card	Yes	W: 88.9-108mm L: 127-152.4mm Thickness: 128-255g/m ² (0.15-0.3mm)
Plastic card	Yes	W : 86mm L : 54mm Thickness : 1.4mm or less Embossed card available. Loading number : 3 cards (non-embossed) 、 1 card (embossed/non separation)
Passport	Yes	Thickness: 4.0mm or less (passport + Carrier sheet). 300 dpi or less. Need optional carrier sheet for passport and passport mode setting.
Carrier sheet	Yes	A4/ LEGAL
Long document	Yes	Up to 5,588mm
Folio	Yes	A2/ ANSIC(17*22") or less

SYSTEM REQUIREMENT

Recommended environment

Recommended PC specification (The environment mentioned on User manual)	
CPU	Windows : Core i3 2.13GHz or higher, Mac : Core i5 2.3GHz or higher
Memory	Windows : 4GB or higher, Mac : 16GB or higher
Tested PC specification (The scanning speeds mentioned on this product guide are measured on this PC.)	
CPU	Windows : Core i7 3.0GHz, Mac : N/A*
Memory	Windows : 16GB, Mac : N/A*
Other PC requirement	
Hard disc	5GB or more available space required for installation of all software
Interface	USB3.2 Gen1.1/ USB2.0
Monitor	Resolution 1024×768(XGA) or higher
Operating system	
Microsoft Windows 10 (32 bit/ 64 bit) Microsoft Windows 11 Microsoft Windows Server 2016 Microsoft Windows Server 2019 Microsoft Windows Server 2022 macOS 12,13,14 (3 version including the latest version)	
Others	
An ISIS application or a TWAIN application compatible with the above operating systems. .NET Framework 4.6.2 or newer version	

*Speed specification is regulated with Windows.

PRODUCT CODE AND CONFIGURATION

	200V EU	200V Multi
Product Code	6897C003	6897C009
Design number	6130280	
Serial No.	KK04xxxxx	KK07xxxxx
AC Adapter	✓	✓
Power cable	✓	✓
USB cable	✓	✓
Setup Guide	EFIGSDTC	EFIGSDTC
Safety Guide	EFIGSDT	EFIGSDT
Setup Disc	-	-

“200V Multi” is for DRBG region.

Due to the Wi-Fi regulations in each countries, we set up 2 SKU.

WI-FI BAND AND CHANNEL

Support 5GHz for the Wi-Fi interface.

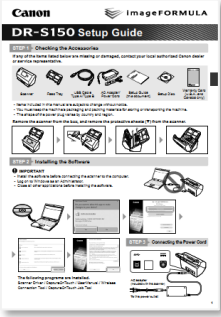
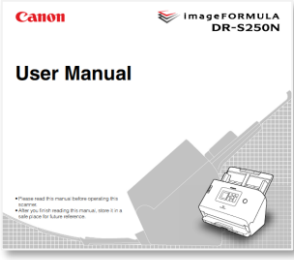
- Thanks to supporting 5GHz range on top of 2.4GHz, DR-S350NW achieves faster and smooth transmission.
- Supported type and channel are as below.

Band	5GHz			
Type	W52	W53	W56*	W58
EU 220-240V	Yes	Yes	Yes*	No
MU 220-240V	Yes	Yes	No	No

*(Except channel 144)

Band	2.4GHz
Channel	1 - 11ch
EU 220-240V	Yes
MU 220-240V	Yes

USER MANUAL CONFIGURATION

	Contents	Languages
<p>Setup Guide</p> 	<p>* The booklet consists of the setup procedures from removing package materials, installing software to connecting scanner to PC via USB.</p>	<p>JP/EN/FR/IT/GE/SP/DU/TR/SC/KR/TC</p>
<p>User Manual <PDF data></p> 	<p>* This manual is full instructions including product outline, operation, maintenance, troubleshooting and so on. It's saved as PDF file on the download site. It does NOT contain all the contents written in Setup Guide.</p>	<p>JP/EN/FR/IT/GE/SP/DU/TR/SC/KR/TC</p>

OPTION & CONSUMABLES

Item	Item code	Picture	Note
Flatbed Scanner Unit 102	2152Cxxx		A4 Size Optional Flatbed to connect with DR scanners (USB connection only)
Flatbed Scanner Unit 202 (New model)	5031Cxxx		A3 Size Optional Flatbed to connect with DR scanners (USB connection only)
A4 Carrier Sheet	0697C001		Carrier sheet to avoid the damage of original documents
Carrier Sheet(Legal)	0697C005		
Carrier Sheet(Passport)	0697C002		Carrier sheet for passport scanning
Exchange Roller Kit	5595C001		Exchange Feeding Roller kit containing Feed Roller and Retard Roller -Recommended to be replaced every 250,000 scans.

TECHNOLOGY MOUNTED IN DR SERIES

Following are basic technologies of the imageFORMULA series

*There are some slides that showing product image of conventional models

USABILITY

OPERATION

Easy maintenance

Suggested daily volume*: 6,000 – 9,000 scans

It is recommended to replace the roller after every 250,000 scans in order to maintain high performance. Roller kit (optional) can be set easily by the end user.

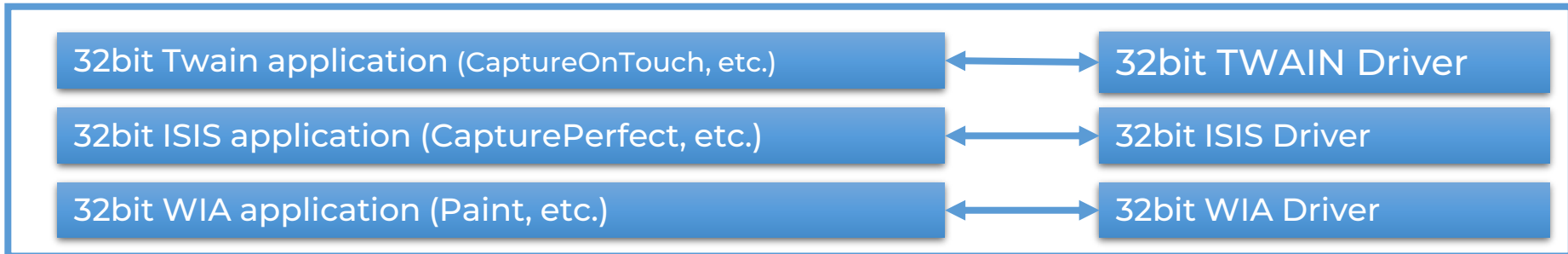
**based on criterion by Canon Electronics.*



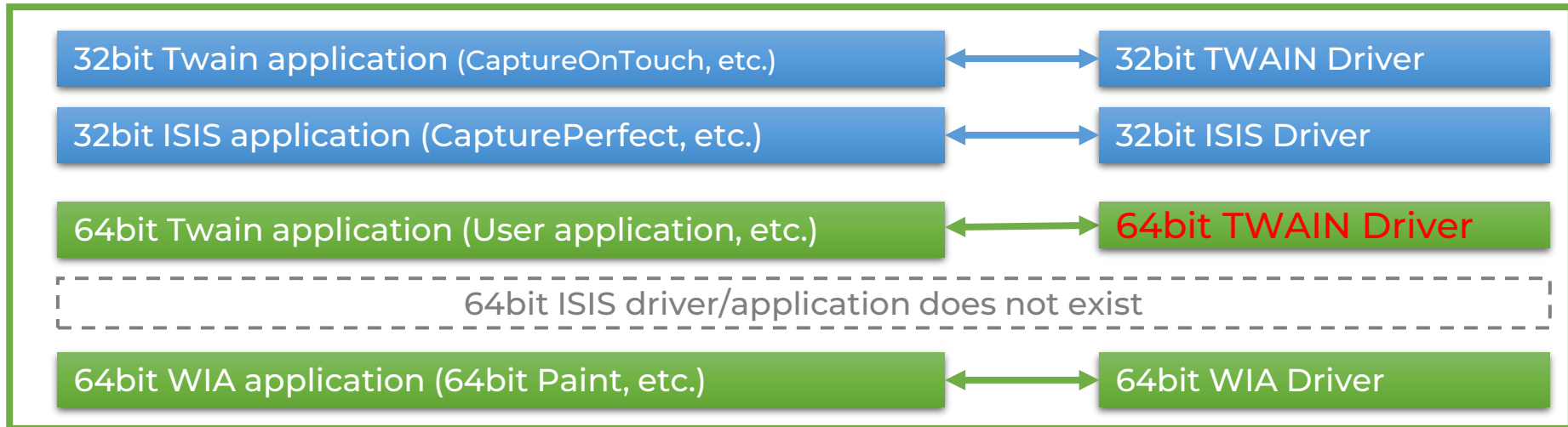
ISIS / TWAIN DRIVER FOR WINDOWS

Bundle ISIS/TWAIN/WIA driver which are compatible with wide range of application software
Bundled scanner driver is compatible with the ISIS/TWAIN/WIA standard. Also TWAIN supports 64 bit driver as standard and the scanner can work on 64bit TWAIN application which there are large demands.

32bit
Windows



64bit
Windows



ISIS / TWAIN DRIVER FOR WINDOWS

Bundle ISIS/TWAIN driver which are compatible with wide range of application software

Setting can be easily done as tab format is applied in the dialogue. The menu of each tab is organized so that user can operate intuitively and simply.

Basic (Main):

Color mode, Page size, Resolution, Scanning modes (Simplex, Duplex, Skipping blank sheet), Deskew setting, etc.

Brightness:

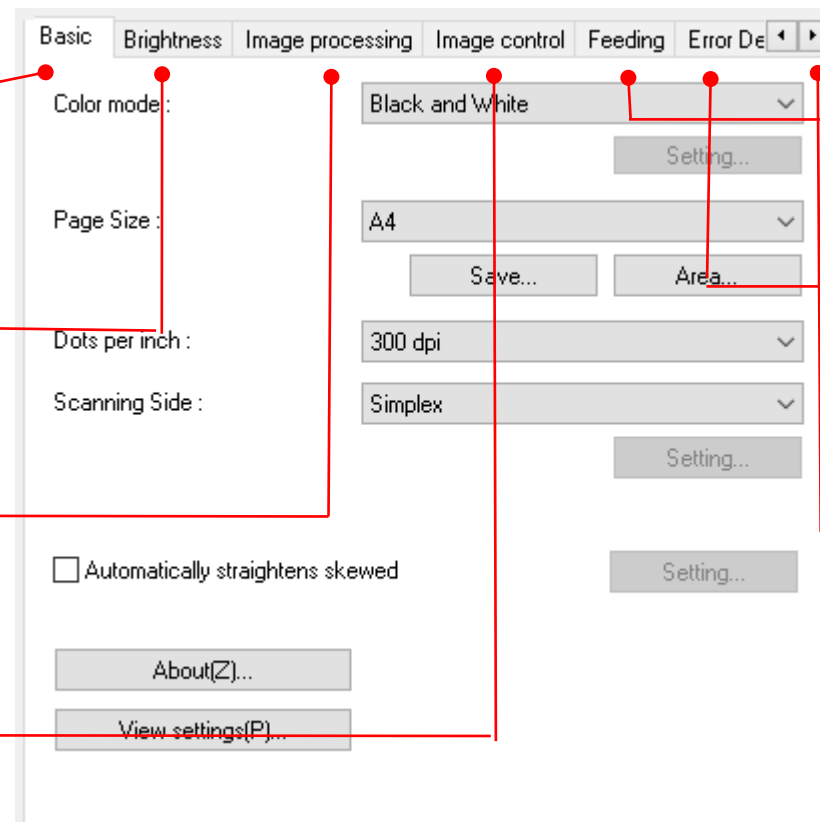
Brightness of scanning, Contrast, Gamma setting, etc.

Image processing:

Color dropout, Correction of character/line's thickness, etc.

Image Control:

Edge Emphasis, Moire Reduction, Prevent Bleed Through/Remove Background, Erase Dot, Erase Notch, Color Unevenness Reduction, & Reverse Image, etc.



Feeding:

Paper feeding option (Standard, Panel, Auto)

Error Detection:

Double Feed Detection, Skew Detection

Others:

Image rotation, Batch separation, direction of Patch code, Compression rate of image, continuous mode, Pre-scan, Multi-stream, etc.

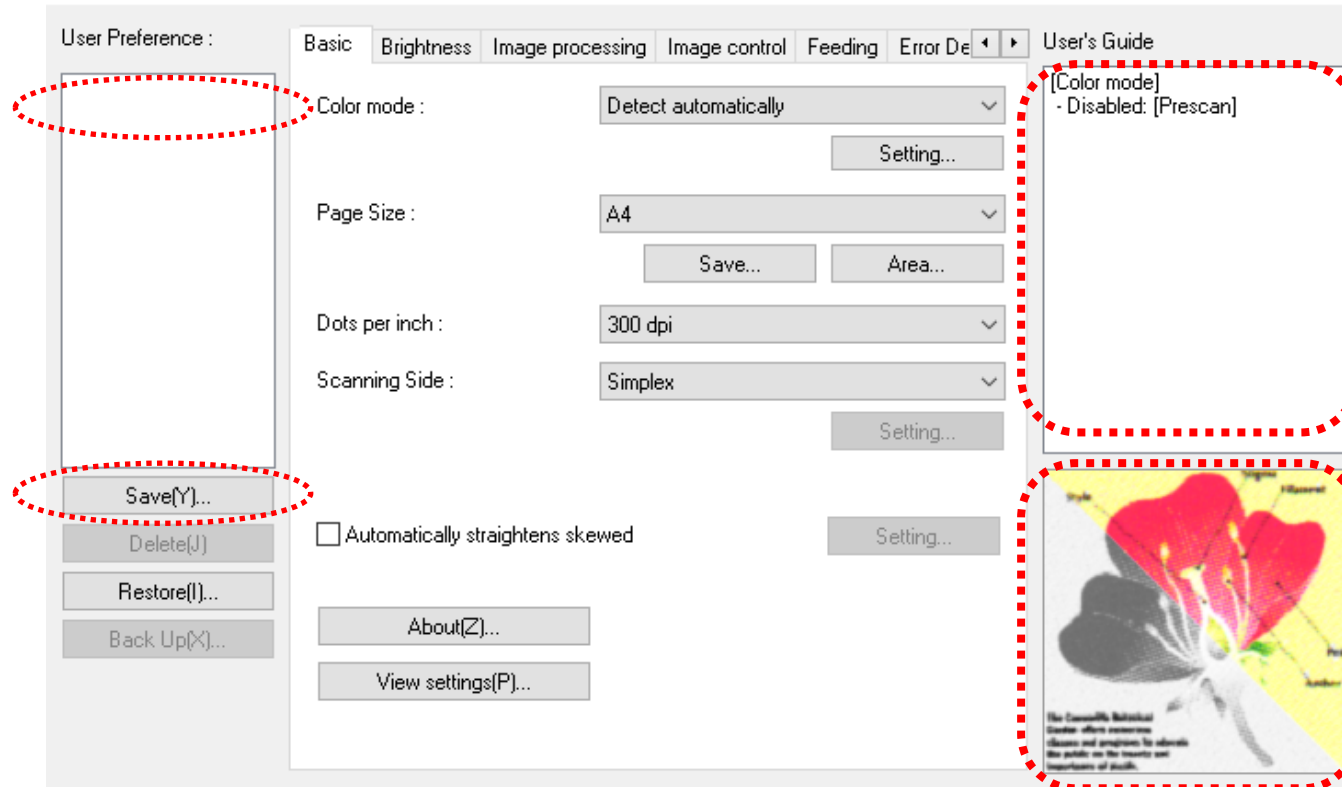
ISIS / TWAIN DRIVER FOR WINDOWS

Simple and quick scanner setting

Setting can be easily done as tab format is applied in the dialogue. Usually various scanning mode settings are necessary depending on the contents, document type of scanning and so on. However, with this model up to 100 ways of user setting can be pre-registered from pull down menu of scanner setting dialogue. In addition, more user-friendly operation display is realized by constantly displaying new guidance and illustration on driver display.

Display user setting
Once it's registered,
setting suitable for your
document type can be
displayed by one click.

Registration of user
setting
Register user setting
based on document type.



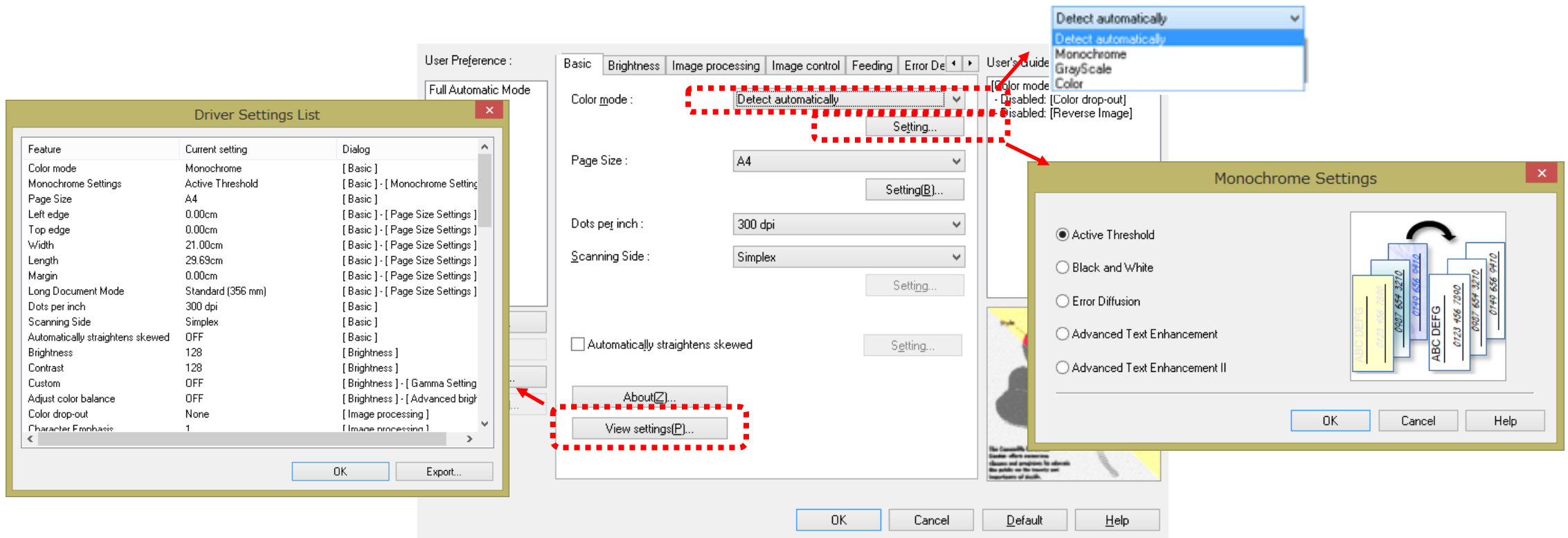
User guide
Display setting changed along
with other tabs. It prevents
setting changes without user's
intention.

Illustration
Illustrate items which are difficult
to understand only with
description.

ISIS / TWAIN DRIVER FOR WINDOWS

At-a-glance “Driver setting list” & Improve color mode selections

All the selected scan settings are shown as a list by clicking [View settings] button so that user can check the settings easily. Also, the DR-S150 achieves intuitive selections of color mode and most optimal default value of B&W mode by making a lower hierarchy for B&W mode selections.

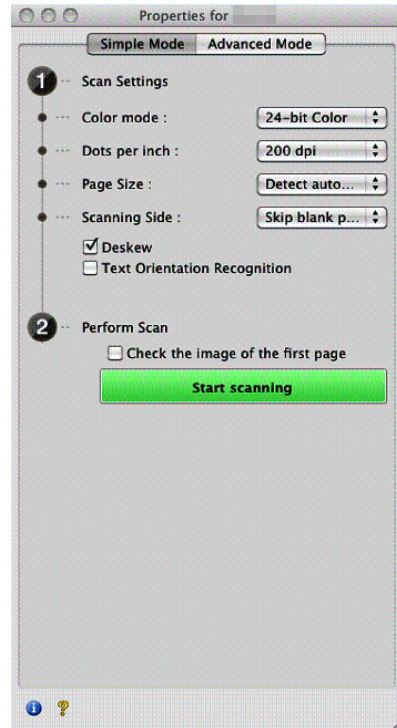


TWAIN DRIVER FOR MAC

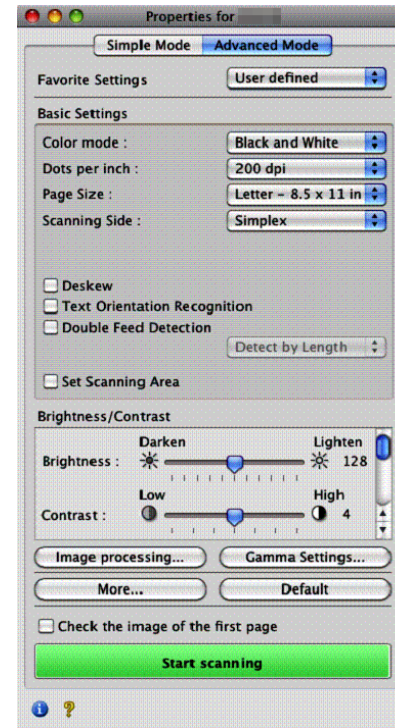
Intuitive and easy-to-use, for versatile TWAIN applications

TWAIN driver provides the advanced image processing and user interface for the settings. It offers selectable 2 types of settings modes, “Simple Mode” and “Advanced Mode”, for more flexible and intuitive scanning operation depending on the user intention.

Simple Mode
Can set basic
scanning
parameters and go
to scanning quickly



Advanced Mode
All scanning
parameters can be
set for specific
image quality
settings.

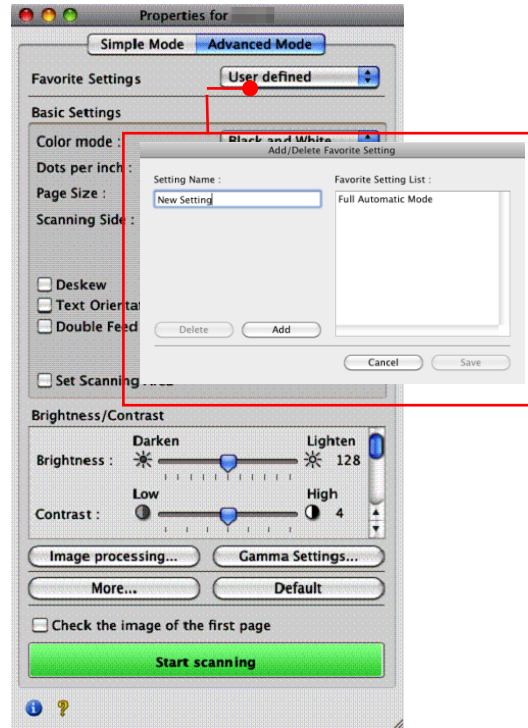


TWAIN DRIVER FOR MAC

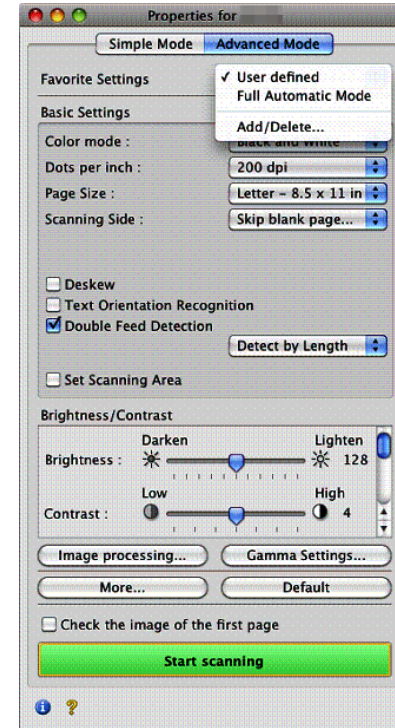
User Preferences for easy access to frequently used settings

Have different scanning requirements depending on the type of document you're scanning? As many as 50 sets of 'User Preferences' can be saved in a pull-down menu on the driver dialog box.

Creating a User Preference
Adjust scanner settings according to document type and save the set as a User Preference



Selecting a User Preference
Once saved, all you have to do is click on a User Preference to set up the scanner for that particular type of document

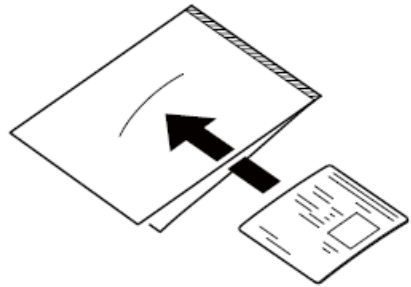


DOCUMENT FEED

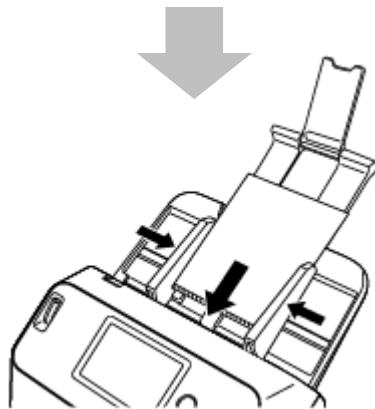
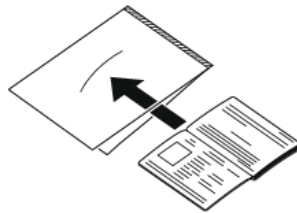
Support various documents

Scan a wide range of originals; various thickness and type, including A4 documents, receipts, business cards, plastic cards, and long document. When scanning tearable document and the document like carbon paper which stains feeding path, the documents and scanner can be protected by using A4 carrier sheet. Up to 3 sheets can be set at one time. Passport carrier sheet is needed when users would like to scan passport.

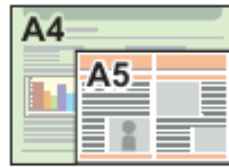
A4 Carrier sheet



Passport carrier sheet



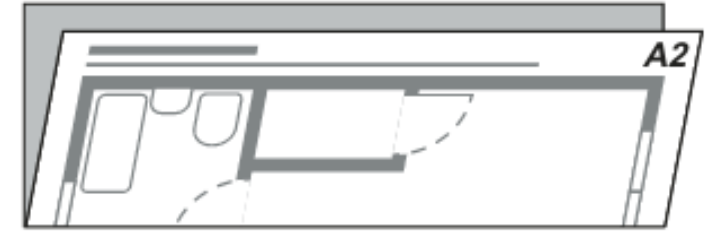
[Wide range of supported document]



A4 / LTR / A5



Long document
up to 5,588 mm (220 in.)



Folded document

- * Folded A2 (lengthwise) sized document can be also processed.
- * Supported by Folio + Long Document mode



Post card



Business card



Plastic card

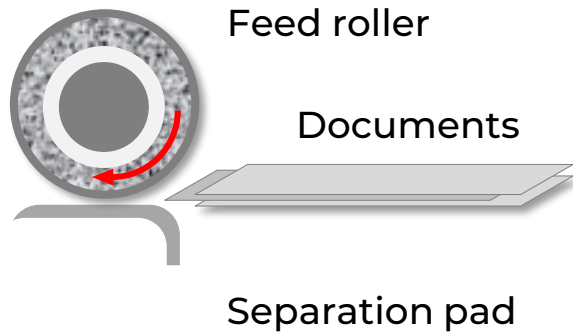


DOCUMENT FEED

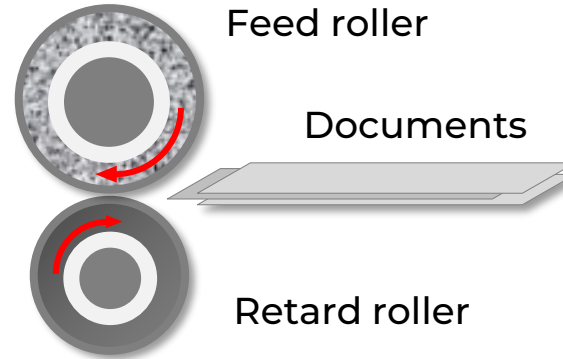
Reliable feeding using Retard roller to minimize double-feeds

The scanner achieves reliable feeding using Retard roller to minimize jams and double-feeds inheriting the technology of upper-grade scanners. Its large capacity ADF enables volume scanning.

Separation pad



Retard roller

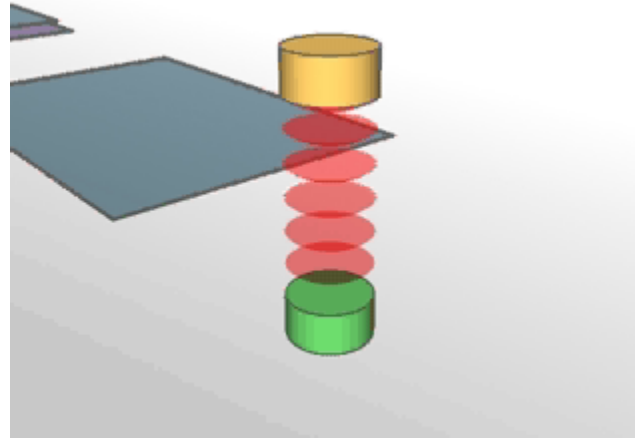


In case two pages enter the feed path, the retard roller push second page back out of the feed path.

DOCUMENT FEED

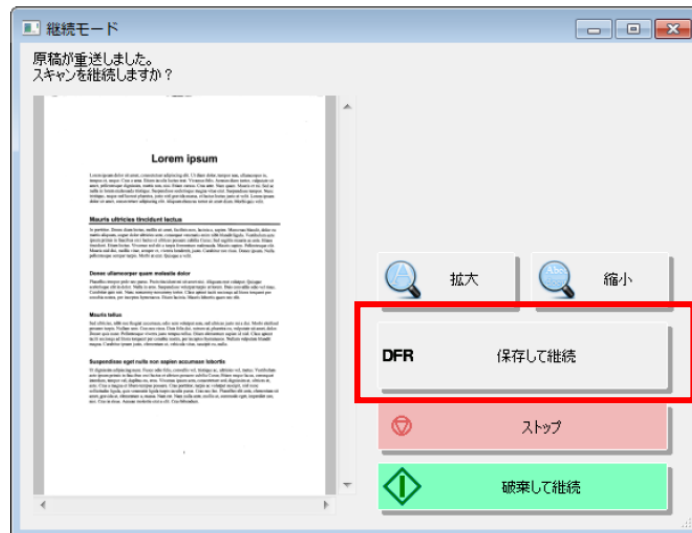
Ultrasonic Double Feed Detection

For extra protection against double feeds, the DR scanners are equipped with ultrasonic sensors that can detect the gap between overlapping pages and prevent them from going through the scanner at the same time. This function ensures that each page is scanned without having to double-check the image data.



DOUBLE FEED RELEASE (DFR)

This function is used when you want to scan documents that usually will be detected as double feed, such as documents with sticky note or an envelope. When the documents are detected as double feed, document feeding stops when double fed documents are ejected. Then, “Rapid Recovery System” screen appears on the main unit display and driver setting menu to prompt you to select whether to continue scanning. If you select the DFR (CONTINUE & SAVE) button, displayed image will be saved and continue scanning the rest of the documents.

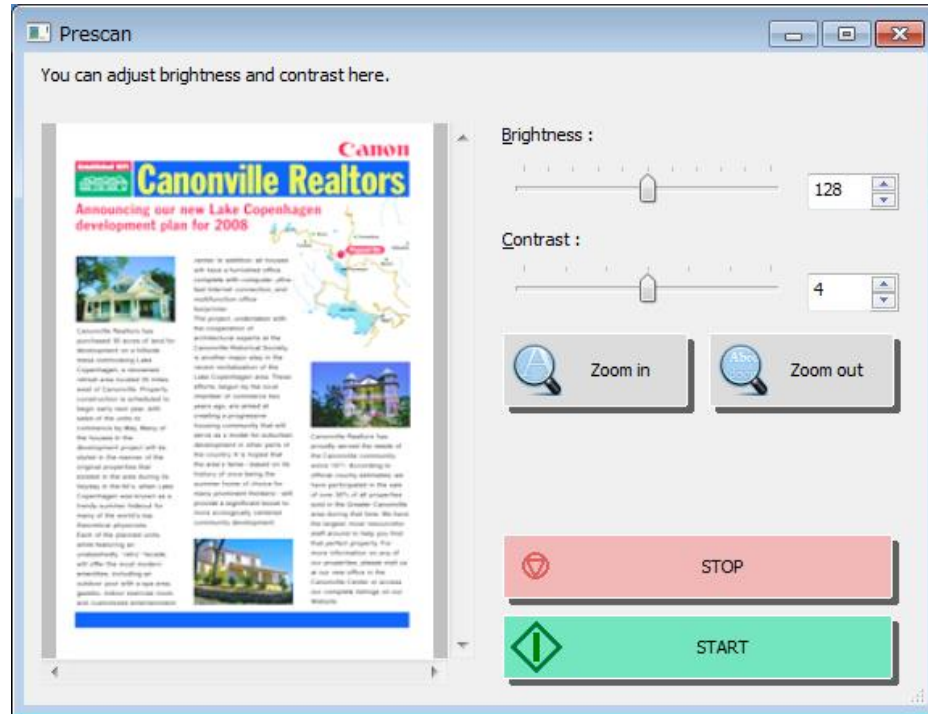


If you select DFR (SAVE & CONTINUE), the displayed image will be saved and start scanning the rest of the documents.

OPERATION

Prescan

The Prescan function offers easier image adjustment with batches and eliminates the need for rescanning. All you have to do is scan the first page, adjust brightness and/or contrast as desired, press Start to continue scanning the rest of the batch, and you're done. Every subsequent page in the batch is scanned at the levels adjusted for page 1. There's also no need to rescan the first page.



OPERATION

Log file creation

CaptureOnTouch and ISIS/TWAIN driver has the log file creation function. This log file is to trouble shoot the software problem. Users will be asked to turn this function on to provide the log file to support representatives.

**CEI analyzes the log file through local sales company.*

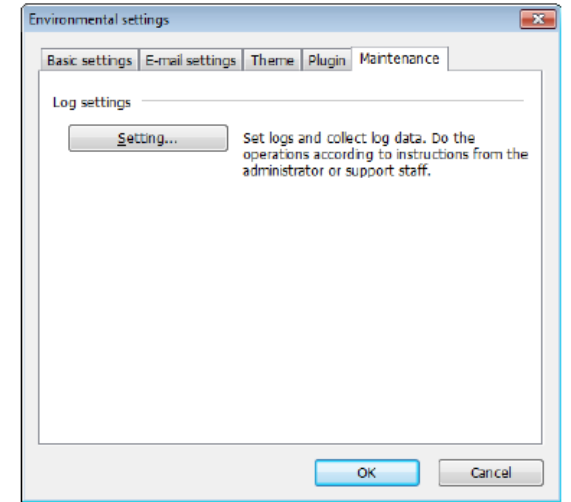


Driver dialog



Driver and log settings of driver setting tool will be synchronized.

Driver setting tool

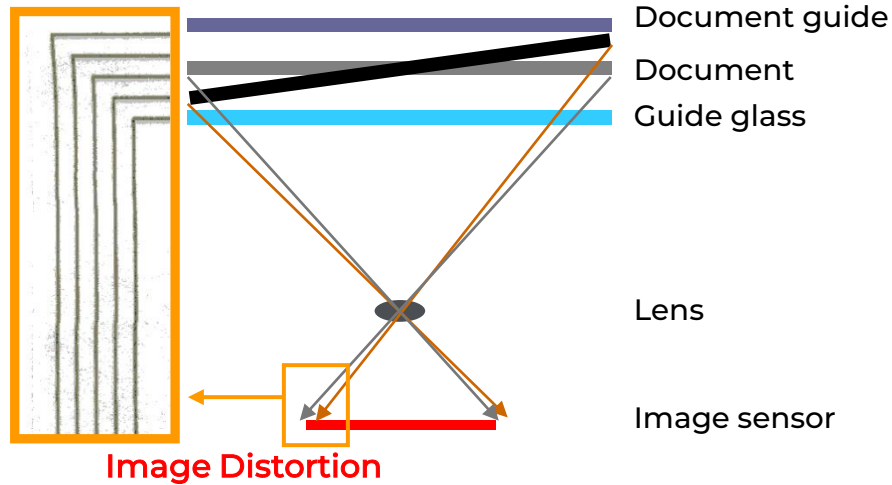


CaptureOnTouch

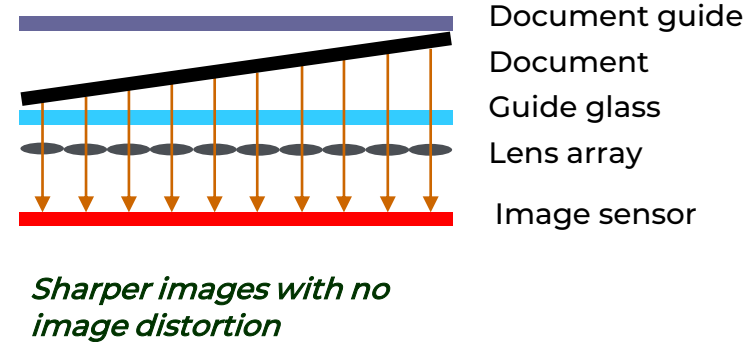
HIGH QUALITY IMAGE

CMOS contact image sensor for superior scanning quality

While conventional scanners use reduction optics, the DR Scanners are equipped with an advanced CMOS CIS (Contact Image Sensor) unit. Benefits include sharper images and less image distortion, with better text readability for enhanced OCR accuracy. 600 x 600 dpi optical resolution further assures exceptional image clarity with fine print and line art.



Conventional scanner with reduction optics



DR Scanner with CMOS CIS

HIGH QUALITY IMAGE

Unprecedented color reproduction with 3-Dimensional Color Correction

The 3-Dimensional Color Correction function faithfully reproduces a document's color information using an incorporated color conversion chip to pinpoint the exact RGB coordinates in one process. This helps the scanner to achieve unprecedented color accuracy that's true to the original document.

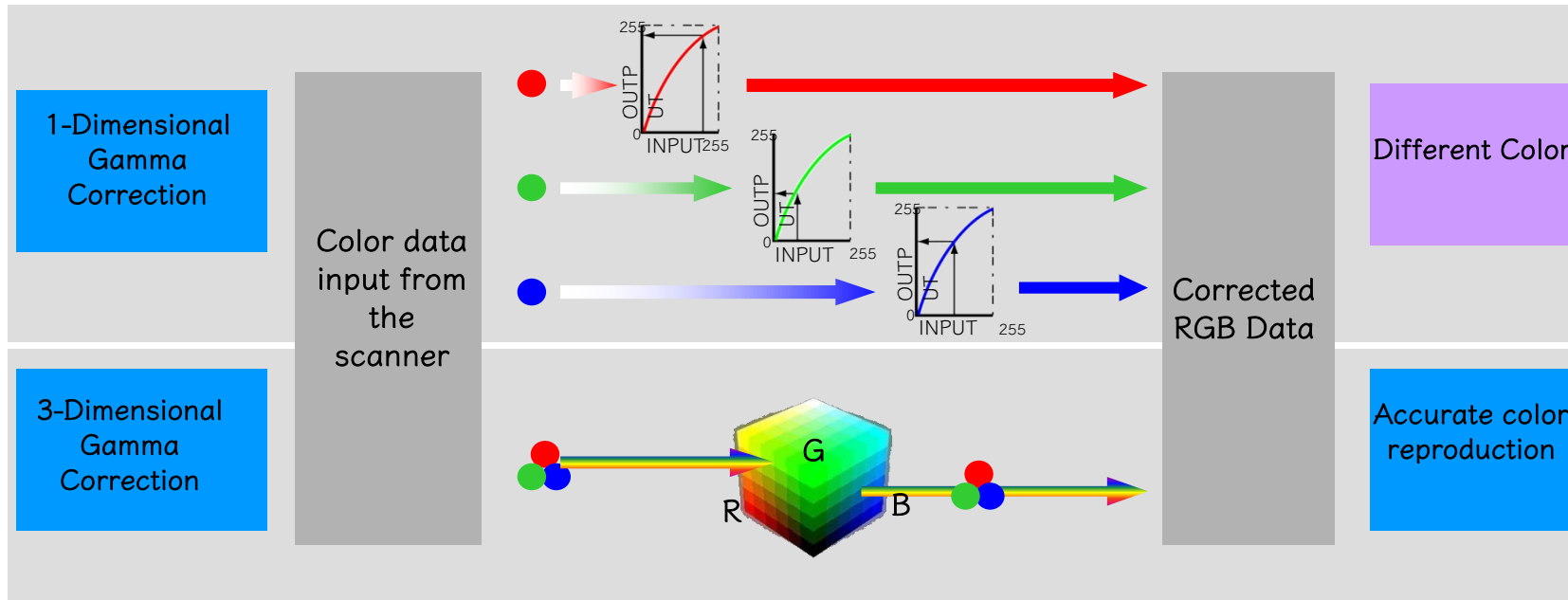


IMAGE PROCESSING

The driver can add a digital black background to the scanned data so that it can be accepted by the user systems requiring the image with the black background. Some systems need black-background images for OCR processing or folded document detection.

The function can be activated with the driver setting tool and users can select two options; [Fill outside of bounding rectangle in black] suitable for OCR processing or [Fill background area in black] suitable for detecting lack or bent of scanned document.

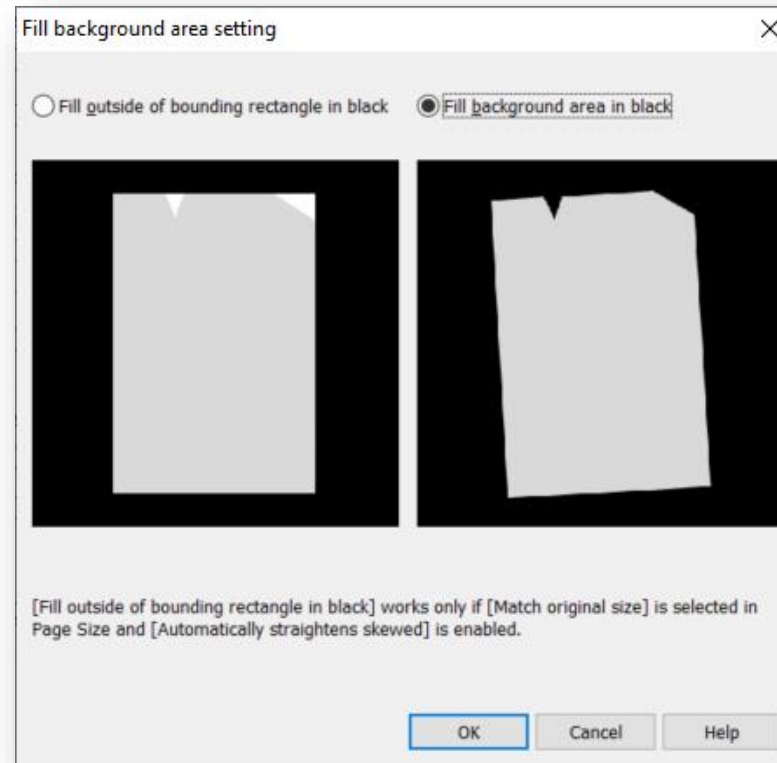
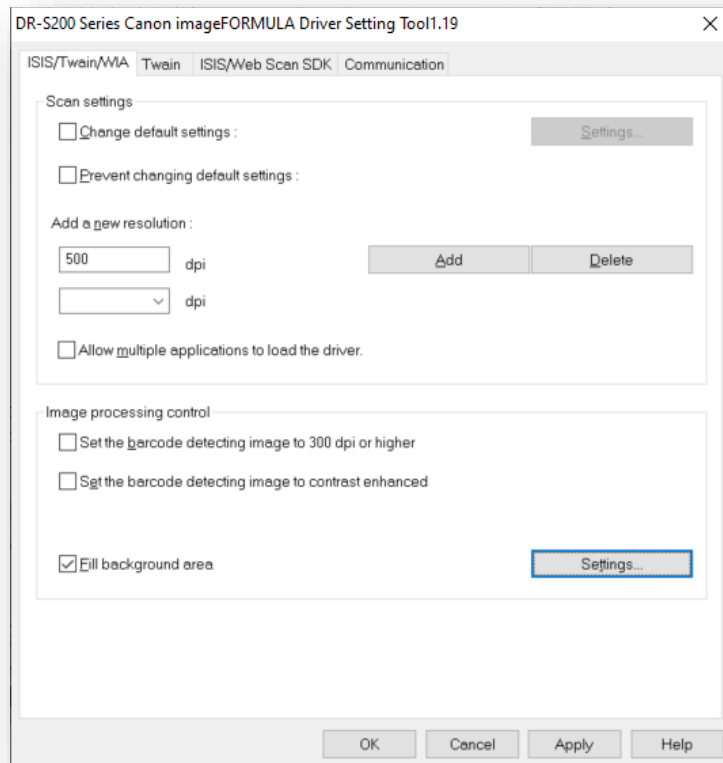


IMAGE PROCESSING

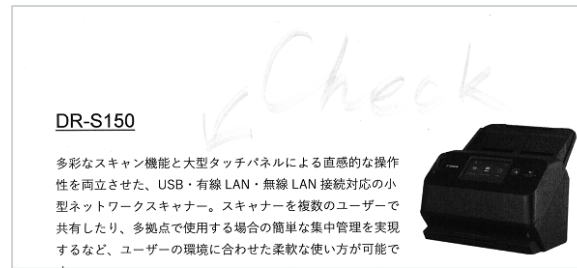
Increase visibility of texts which are used to be hard to read

This new function can create scanned data with better readability from texts with pale color that is hard to read when scanned in B&W mode with current other scanners.

[Note] The scanning speed will be same as color mode since the scanner scans documents in color mode then processes the data as binary image.



Original



Normal gray image



Gray image with color enhancement ON

IMAGE PROCESSING

Document with photo mode

A new scan mode “document with photo mode” can achieve high reproductivity of photos and readability of texts at the same time.

Currently, our scanners put priority on creating the scanned data for better readability whose side effect was “face is too dark” or/and “hair cannot be seen”. On the other hand, a photo mode implemented to some DR-Scanners created the data that was hard to read.



0 1 2 3 4 5 6 7 8 9

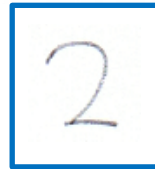


Normal scanned image

Texts: clear
Photo: dark



0 1 2 3 4 5 6 7 8 9



Document with photo mode

Texts: clear
Photo: resemble contrast with original



0 1 2 3 4 5 6 7 8 9

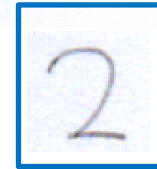


Photo mode

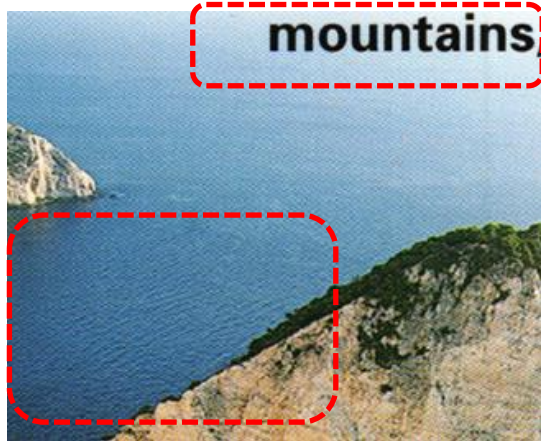
Texts: Pale
Photo: resemble contrast with original

IMAGE PROCESSING

Noise reduction

Noise reduction can create smooth image by reducing the color unevenness of halftone-dot area without speed down of image processing. Without this function, users needed to set Moiré reduction, which decreases processing speed. Also, this function improves the image quality of binary image by maintaining clear edge of characters. Moreover, file size can become smaller since compression ratio increases by smoothing image.

W/O noise reduction



After noise reduction

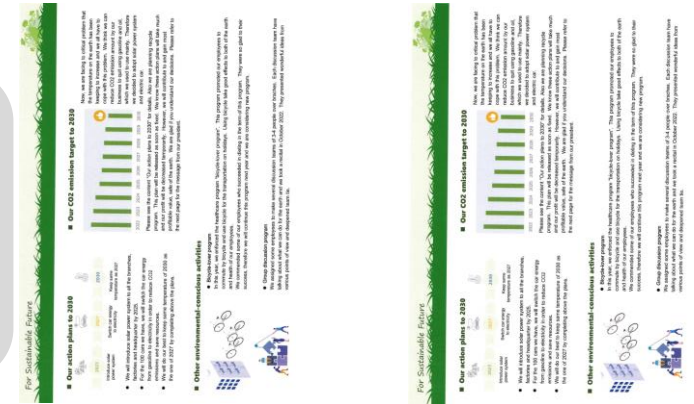


Maintain clear edge of characters

Color reproduction is improved by grading density unevenness of halftone dot.

Image quality of binary image is also improved

File size comparison



OFF
1071KB

>
10%

ON
961KB

领料单

名称	规格	计量单位	实发数量	单价	金额	备注

领料 发料 制单

领料单

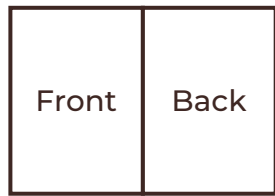
名称	规格	计量单位	实发数量	单价	金额	备注

领料 发料 制单

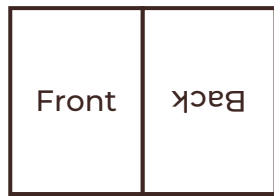
IMAGE PROCESSING

Front and back image combine

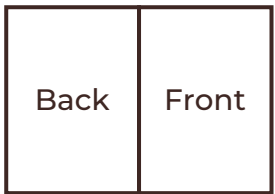
The front and back combining function for Folio mode is enhanced so that users can combine variously, according to the types of card or post card scanned sideways, and so on.



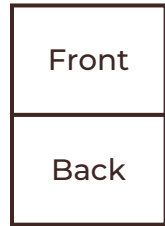
Normal



Rotate back image at 180°

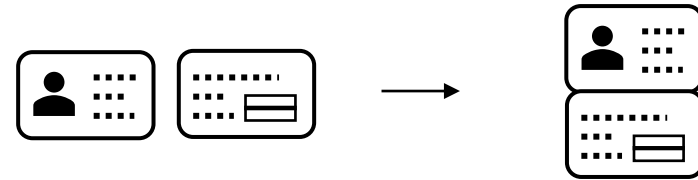


Swap left and right

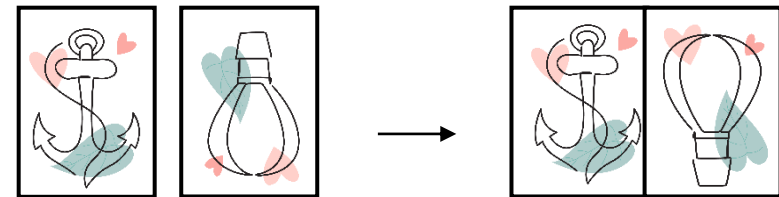


Joint to top and bottom

Selectable joint method



Card image becomes easier to see

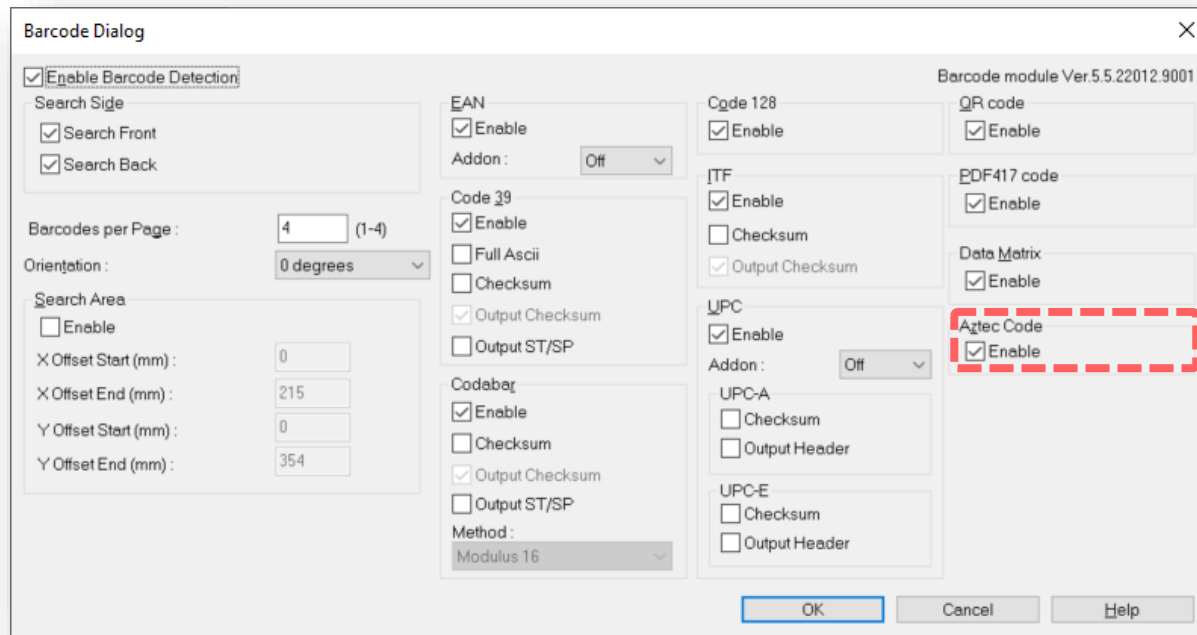


Unique-printed document becomes easier to see

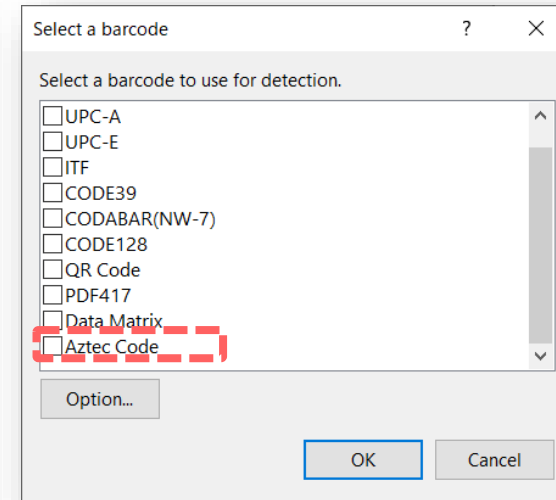
IMAGE PROCESSING

Support Aztec code

Newly supported Aztec code recognition which is widely used for airplane ticket, car registration document, identity confirmation of patient and so on.



Driver



CaptureOnTouch

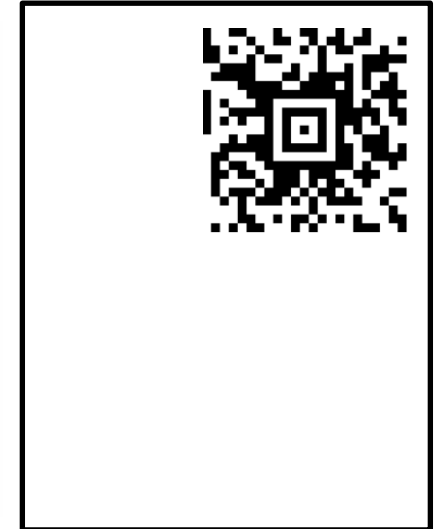


IMAGE PROCESSING

Improve recognition rate of pale-color barcode

A new setting item [Set the barcode detecting image to contrast enhanced] makes the scanner to improve the recognition rate of pale-color (e.g. gray) barcode which is used to be hard to recognize with traditional scanners. User can set from “Driver setting tool”.

** Available only for Windows*

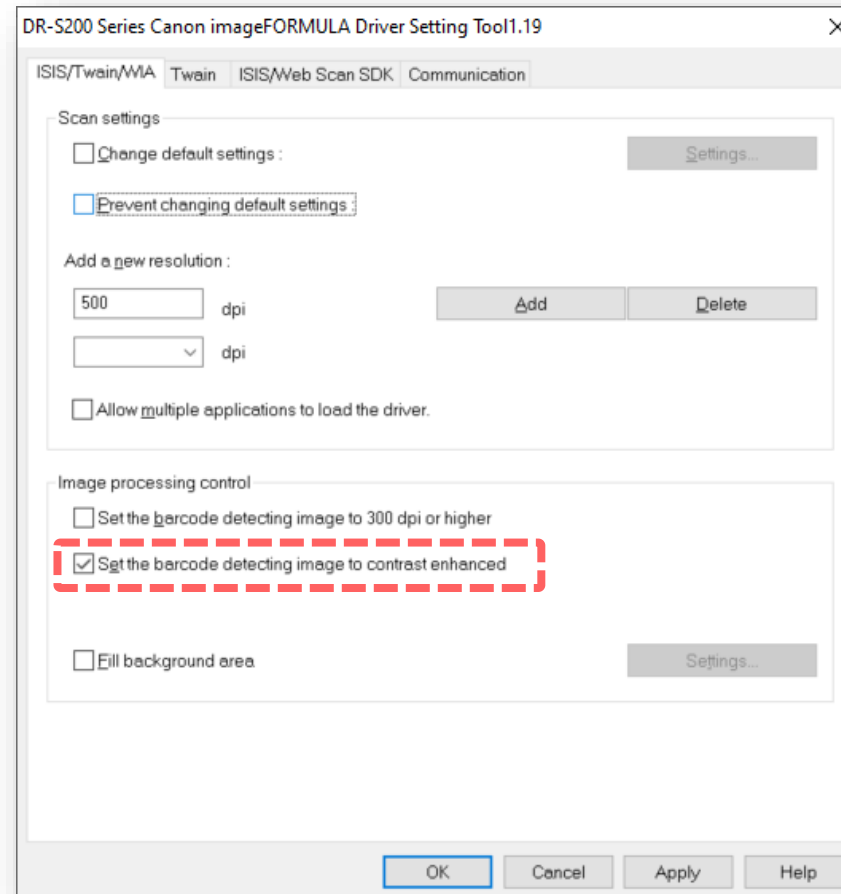


IMAGE PROCESSING

Improvements in Prevent bleed through/ Background removal

Image quality of Prevent bleed through/ Background removal function is improved. Scanned image suitable for OCR processing with less bleed through and background can be produced.

Original

1234 Express VRS
1224 COMMUNICATIONS • (123)123-4567 • (800) 123-4567
www.1234express.com

DATE	JOB NUMBER	AUTHORIZED BY
6/14/99		

TYPE OF SERVICE - PLEASE CHECK BOX OF DESIRED SERVICE

- DIRECT PACKAGE DELIVERED DIRECT - NO STOPS
- 3 HOUR PACKAGE DELIVERED WITHIN 3 HOURS (CUTOFF TIME 2:00 PM.)
- 5 HOUR PACKAGE DELIVERED WITHIN 5 HOURS (CUTOFF TIME 12:00 PM.)
- OVERNIGHT PACKAGE DELIVERED BEFORE NOON FOLLOWING BUSINESS DAY. (CUTOFF TIME 6:00 PM.)
- AIR EXPRESS NEXT FLIGHT OUT, DOOR TO DOOR. DELIVERY ANYWHERE IN THE UNITED STATES. NON-STOP

BILL DELIVERY CHARGES TO: Acct. No.

NAME: BOB SMITH
ADDRESS: 139 ANYWHERE LN.
CITY, ZIP: ANYWHERE, CA 90001

Conventional machine

1234 Express VRS
1224 COMMUNICATIONS • (123)123-4567 • (800) 123-4567
www.1234express.com

DATE	JOB NUMBER	AUTHORIZED BY
6/14/99		

TYPE OF SERVICE - PLEASE CHECK BOX OF DESIRED SERVICE

- DIRECT PACKAGE DELIVERED DIRECT - NO STOPS
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1234 Express VRS
1224 COMMUNICATIONS • (123)123-4567 • (800) 123-4567
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IMAGE PROCESSING

Active Threshold

Active Threshold, which is the new binarization function installed from the DR-G2 series, is installed as a standard binarization mode. Users do not need to classify the documents since this function adopts optimal brightness/contrast value per each document and users can scan various kind of format as 1 batch.



Documents that could not be successfully binarized in ATE I/II, are now well reproduced using new Binarization function "Active Threshold".

3 TYPES OF TEXT ENHANCEMENT

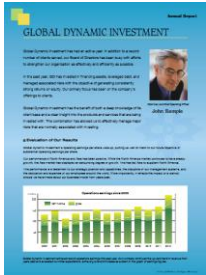
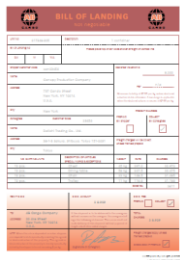
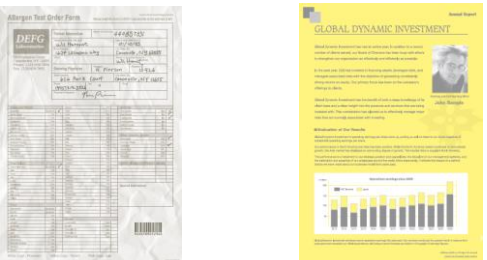


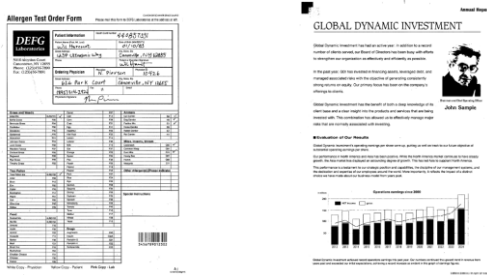
	Advanced Text Enhancement	Advanced Text Enhancement II	Active Threshold
Effective documents type	<ul style="list-style-type: none"> The documents with uniform density *ATE processes its text enhancement by analyzing the entire image. 	<ul style="list-style-type: none"> The documents with uneven density The documents with patterned background or light colored text on light colored background *ATE II processes its text enhancement by analyzing each part of the document 	<ul style="list-style-type: none"> The documents with deep color background and pale color texts The documents with many wrinkles
Result	<ul style="list-style-type: none"> Without whitening characters inside Can extract characters clearly from the documents with deep colored background 	<ul style="list-style-type: none"> For removing reticulated or patterned background and enhancing the legibility 	<ul style="list-style-type: none"> For removing background color and wrinkles, and enhancing texts.
Process mixed batch	<ul style="list-style-type: none"> All documents are processed with same contrast and brightness 	<ul style="list-style-type: none"> All documents are processed with same contrast and brightness 	<ul style="list-style-type: none"> Can automatically change contrast and brightness per page
Document image			
Processed image			

IMAGE PROCESSING

Batch Separation by blank page

Recognizes blank pages as batch separators and performs batch separation when documents containing blank pages are scanned.. Images of pages recognized as separators will not be saved.

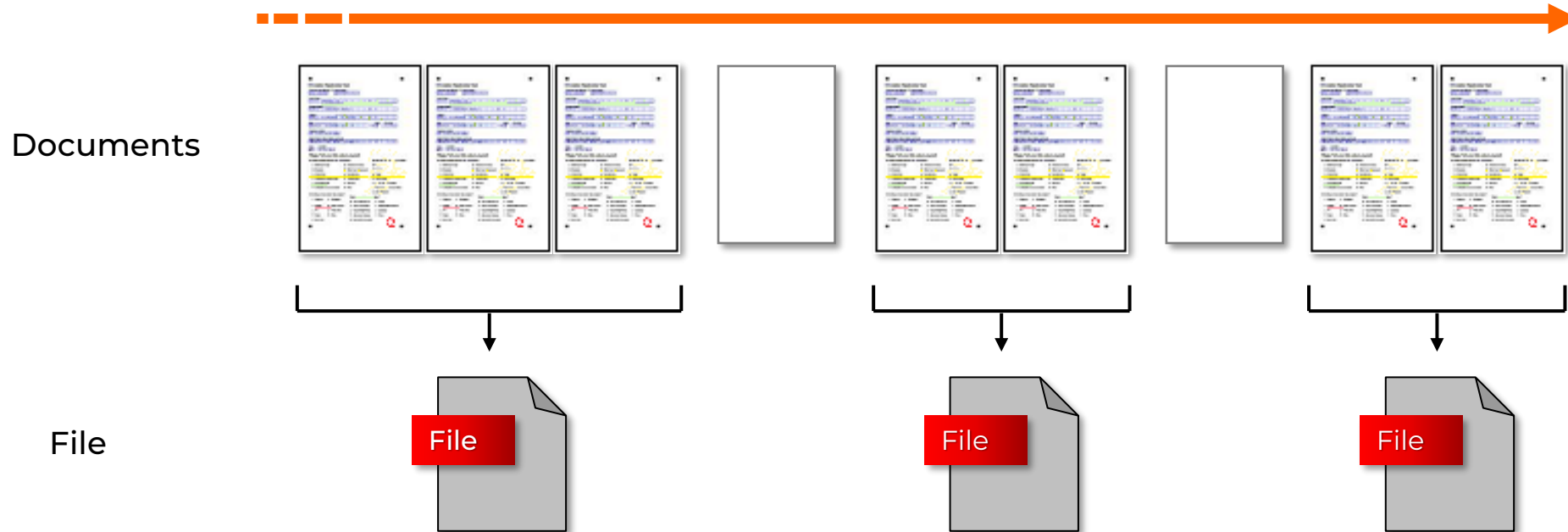


IMAGE PROCESSING

Straightens with angle & contents of fed documents

Deskew function can straighten the skewed image. There are following 2 Deskew modes and the scanner can create the highly visible image;

1. Deskew by angle of the fed document
2. Deskew by the contents in the image data after processing by angle of the fed document

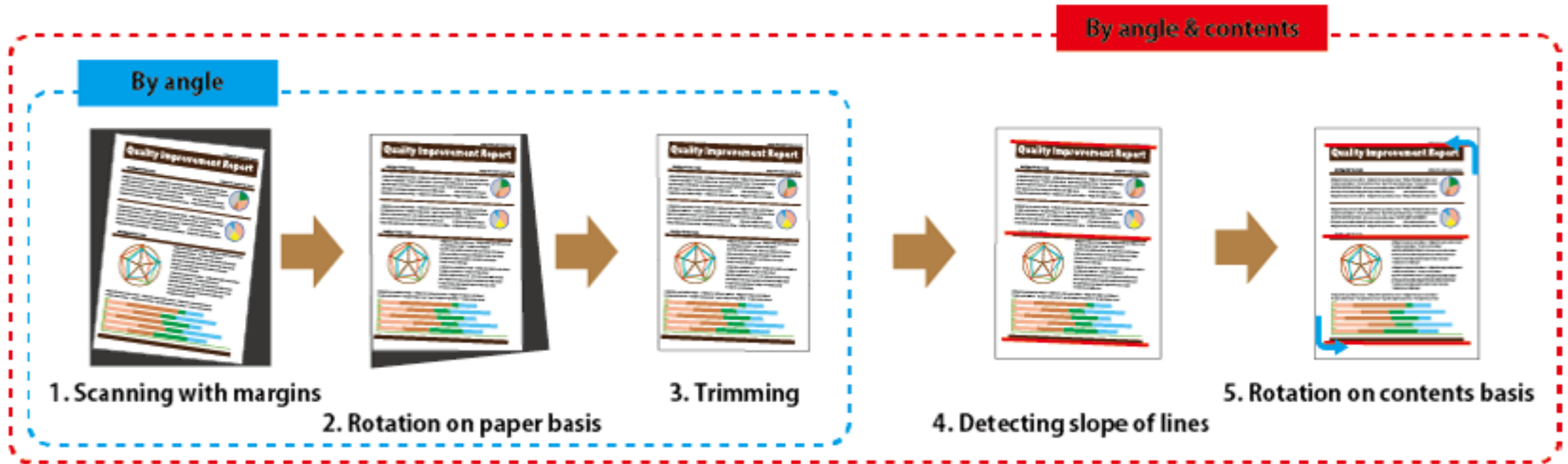


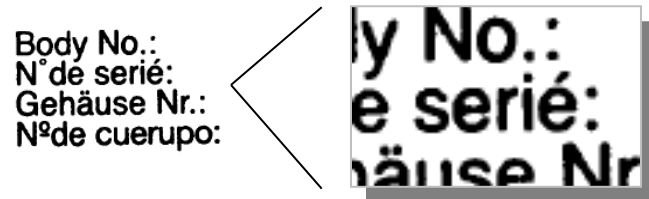
IMAGE PROCESSING

Character Emphasis

By using this function, characters or lines in documents would be intentionally thicker in scanning image. It could be useful in the case it is necessary to improve visibility in display (especially for mobile e-book devices such as Kindle) or possibly useful to improve OCR recognition.

Character Emphasis Off

Today, Canon's advanced multifunction digital devices, such as the imageRUNNER Series featuring MEAP (Multifunctional Embedded Application Platform) technology continue to provide businesses with high-speed document scanning as part of their wide-ranging abilities. Dedicated digital



Character Emphasis Maximum

Today, Canon's advanced multifunction digital devices, such as the imageRUNNER Series featuring MEAP (Multifunctional Embedded Application Platform) technology continue to provide businesses with high-speed document scanning as part of their wide-ranging abilities. Dedicated digital

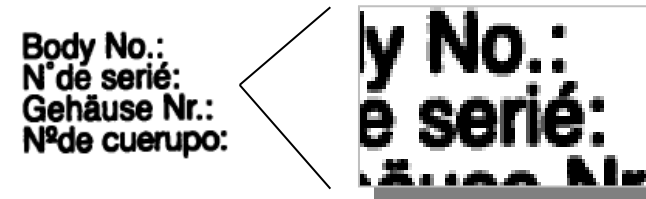


IMAGE PROCESSING

Color Dropout (R/ G/ B/ Chromatic)

Document images can be made more suitable for OCR applications by removing unwanted color elements such as lines and shaded boxes. With the DR-S150, you can remove red, green, blue and all colors (except Black & Gray) to remove from the scanned image, with different settings for the front and back sides of pages. Alternatively, for scanning documents with stamps, it can be useful to make color elements (red, green, or blue) of a document more visible in the image data with Color Enhancement.

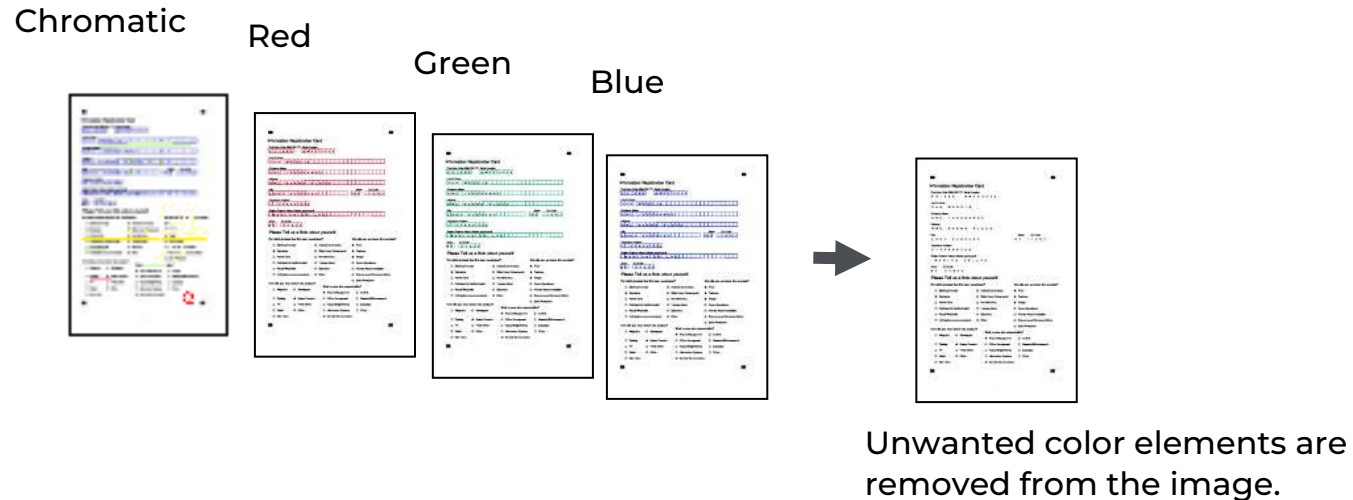
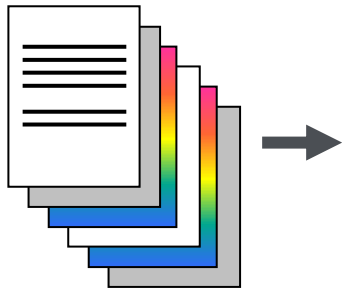


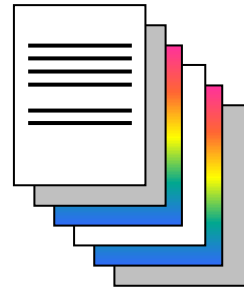
IMAGE PROCESSING

Automatic Color Detection

This mode allows the scanner to automatically determine which documents of a mixed batch should be saved in color or gray, based on detected color content with threshold value. This means you don't have to separate black-and-white, gray and color documents prior to scanning, and image file sizes are kept smaller than scanning the whole batch in color mode.



Scan a batch of mixed documents in Auto Color Detection mode



or

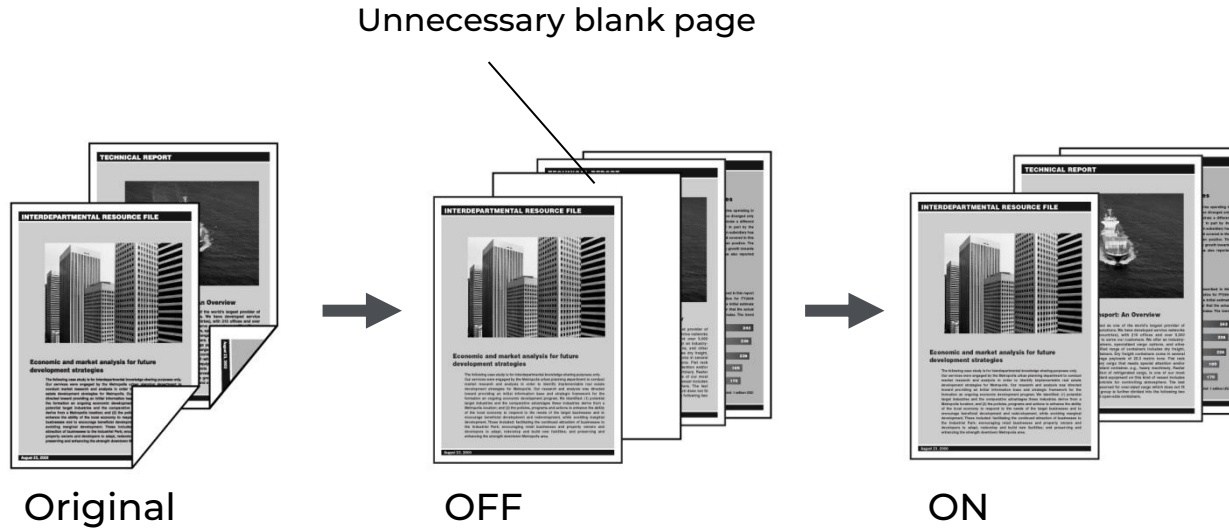


Get multi-page or single page image files, with color documents in 24-bit color, black-and-white documents in the binary mode and gray document in gray mode.

IMAGE PROCESSING

Skip Blank Page

Useful when scanning batches that include single-sided and double-sided documents mixed together, this function automatically removes blank pages from the image data, which leads to smaller file sizes as a result.



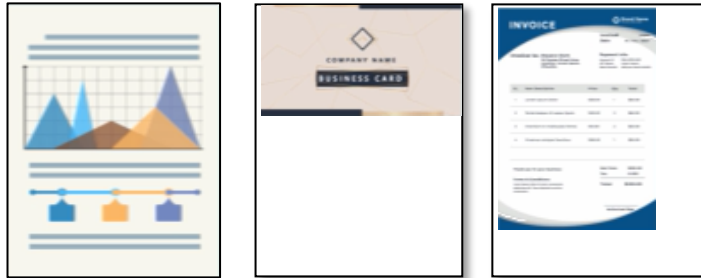
Automatically removes unnecessary blank pages from the image file

IMAGE PROCESSING

Automatic Page Size Detection (Match Original Size)

Batches with mixed paper sizes? Just load them onto the scanner and get properly sized images for each page in your batch – save yourself the time and trouble of sorting batches by paper size.

Scan different size documents with document size setting as “A4”



A4

A5

B5

Scan different size documents with “Match Original Size”



A4

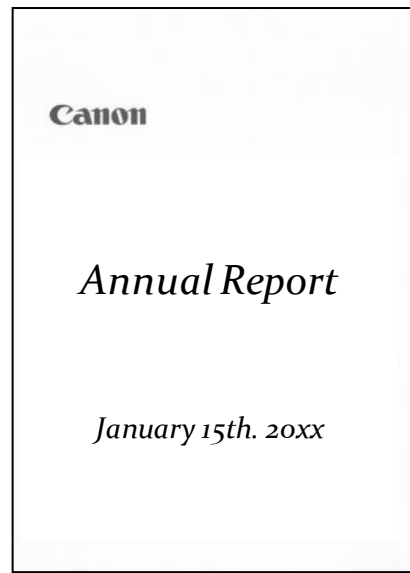
A5

B5

IMAGE PROCESSING

Automatic setting of Resolution

If output resolution is fixed in scanning batch of various documents including the one only with text and the one including photos, file size become heavy since higher resolution is selected to save better image photos. However, with “Detect automatically” function, we can minimize file size, by applying appropriate resolution according to the each document. Output resolution is set to the low resolution for a simple text document, while it is set higher for a document with fine lines or subtle gradation.



Scanning with low resolution

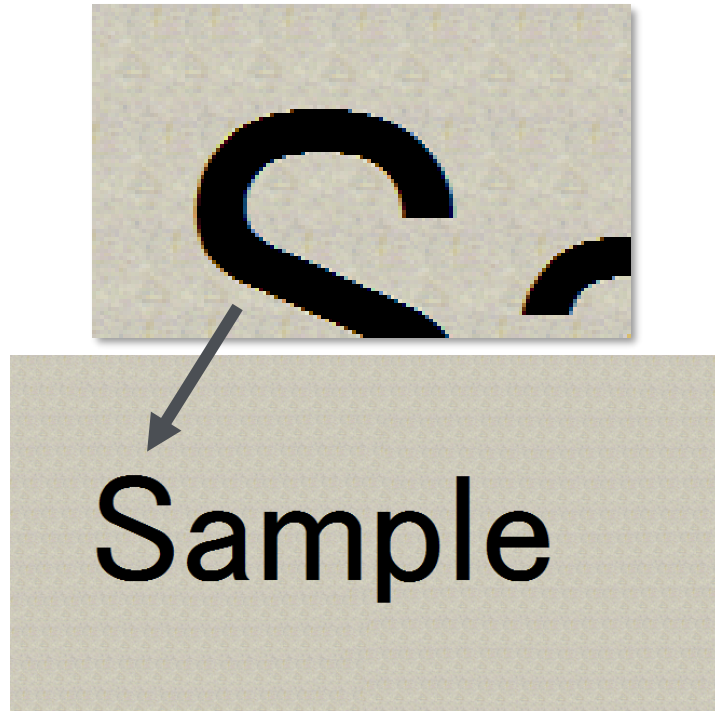


Scanning with high resolution

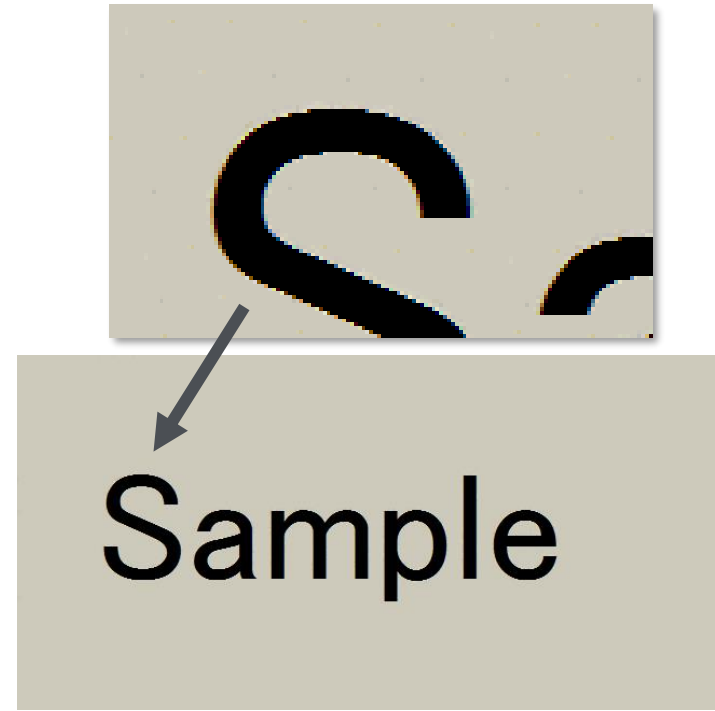
IMAGE PROCESSING

Background smoothing

Scanned images may be difficult to read by the condition of document -such as document with uneven dark background. To save such documents with better legibility, we have added the new image processing function, Background smoothing. This function reduces unevenness and smoothens scanned document data.



OFF



ON

IMAGE PROCESSING

Text Orientation Recognition

Suppose the documents in your batch are facing different directions. By selecting the Text Orientation Recognition option, the scanner can check the orientation of text on each fed document and rotate the image accordingly. Each document will be displayed and saved with the correct orientation.

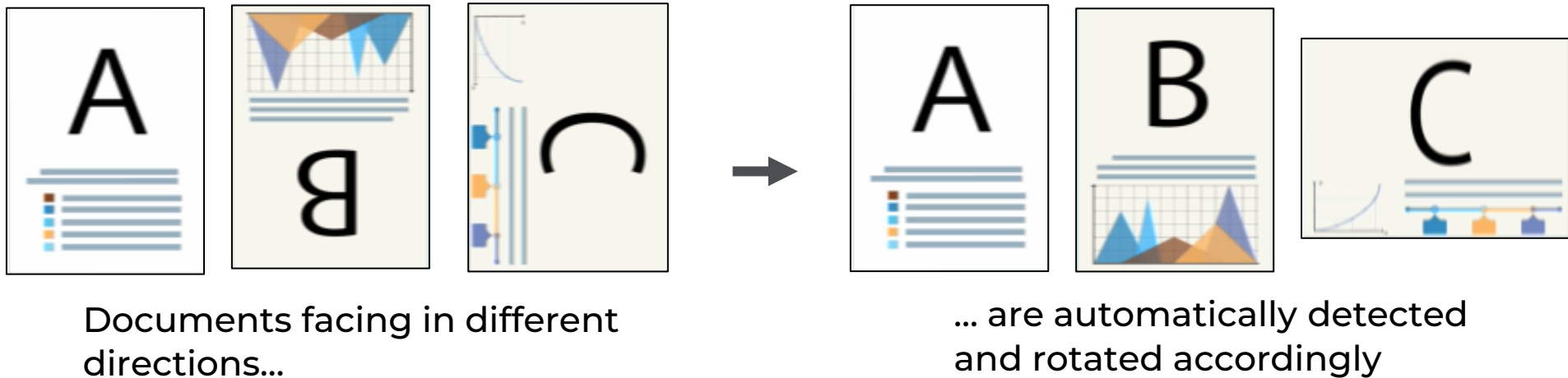
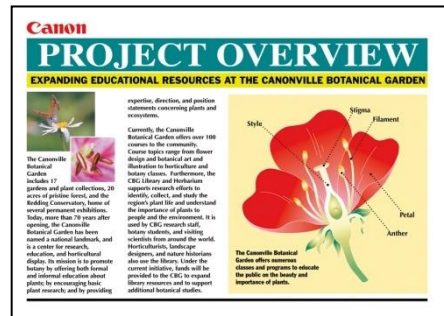


IMAGE PROCESSING

MultiStream™ function

The scanner driver supports MultiStream, which, if also compatible with your scanning software, can create two images with different scanning conditions from a single pass. One output, for example, can be in color and the other in black-and-white. The color image can then be saved for archiving, while the black-and-white image can be saved for OCR use.



Original document



300 dpi Color image

200 dpi B&W image

IMAGE PROCESSING

Adjustable gamma settings

The overall tonal quality and accuracy of document images can be easily adjusted by using the gamma settings. Individual gamma settings are available for grayscale, red, green, and blue, which can each be customized by manipulating their gamma curve. The results are displayed in a sample image, which changes in real time as the curve is moved, making it easy for you to achieve the desired effect.

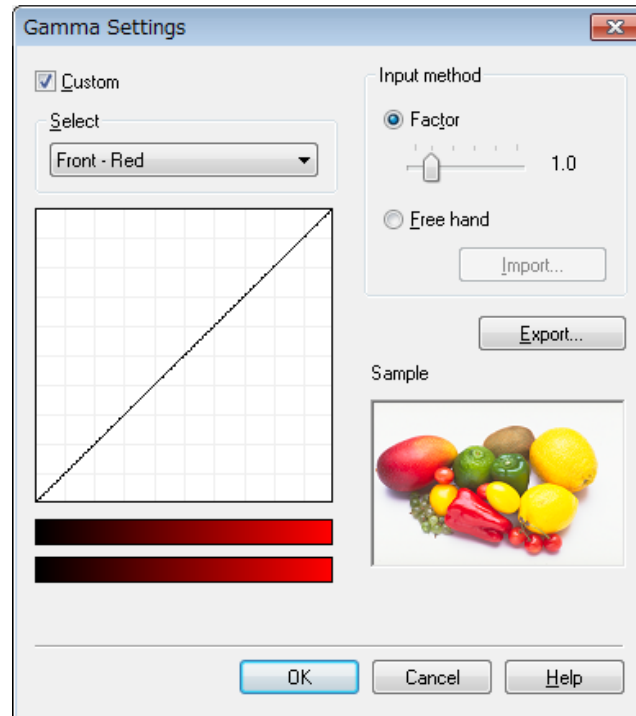


IMAGE PROCESSING

Moiré Reduction

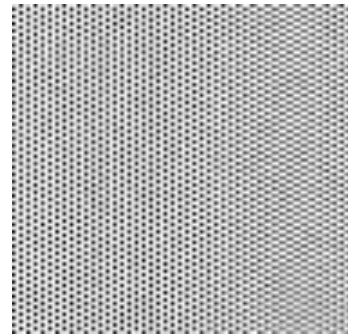
Unwanted moiré patterns may appear in color or grayscale images of documents with heavy graphic or background elements when they are scanned in low resolution. To reduce these pattern effects, this scanner features two Moiré Reduction modes that can be selected according to speed.

■ High-Speed Moiré Reduction

Gives priority to scanning speed. Available when scanning at 240 dpi or less. Fast, produces good quality images.

■ High-Quality Moiré Reduction

Gives priority to image quality. Available when scanning at 300 dpi or less. Memory-intensive and slower, produces high-quality images.



OFF



ON

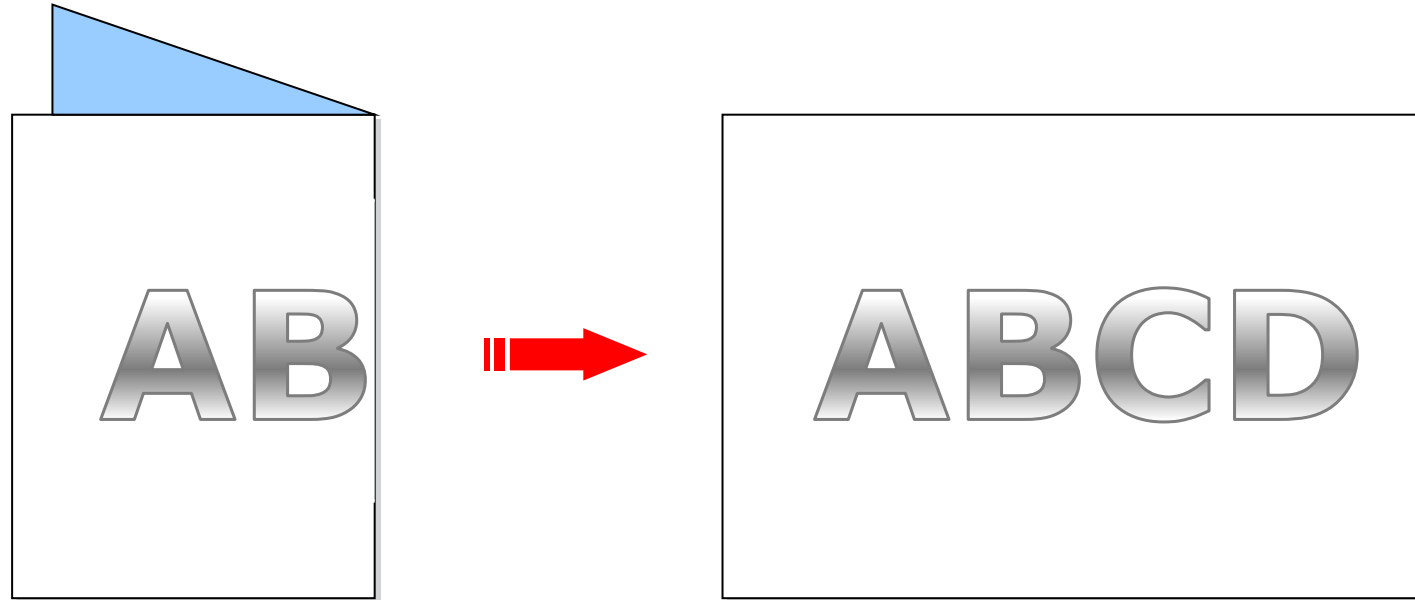
High-Quality
Moiré Reduction

IMAGE PROCESSING

Folio Scanning

The scanner can scan both sides of a document folded in half and create a single scanned image.

Up to A1 document can be scanned with A3 scanner and up to A2 document with A4 scanner when the paper is longitudinally folded in half.



Fold the document in half lengthwise and scan it into the feeder.

Scan both sides and combine the scanned images into a single image.

IMAGE PROCESSING

Reduction ratio adjustment

When the feed roller is worn, scanned images may appear stretched in the vertical direction. In such cases, using the [Reduction ratio adjustment] function may reduce the stretching.

Altocumulus Group Quarterly Earnings Report New clothing collection boosts revenue by 25%

Now the second largest clothing retailer in the U.S., Altocumulus Group posted a net profit of \$62 million, or \$.20 per share, from \$62.7 million, or \$1.2 per share, a year earlier. Revenue for the quarter was \$3.35 billion, up 25 percent from the same period last year. Gross margin was 17 percent, up from 15.4 percent last year.

All of Altocumulus Group's brands did well this quarter. Altostatus stores lead the way, with sales rising 22.8 percent, to \$ 2.8 billion, with same-store numbers up to 6 percent. Kama stores had an 18 percent increase in sales, to \$300 million and same stores sales increased 12 percent. Sales for Stratosphere stores were up 5.7 percent to \$45 million.

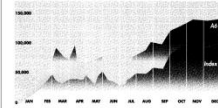
"It was a mind-blowing quarter," said CEO Sandra Richardson. "We are pleased to report our highest fourth quarter revenue since first opening our doors in 1992."

The new private-label clothing collection has been key to the recent high figures. With 10 new lines for men, women, and children, the collection appeals to shoppers of all ages and income levels. T-shirts have been most popular of all, and Altocumulus Group stores sold over 1.3 million T-shirts in the first month after the lineup launch, netting \$15.6 million in gross sales.

Regarding the new lineup, one shopper said, "It's everything I ever wanted in a brand. High-quality fabrics, great color choices, modern, yet classic styling. But only that, it's easy to find what I want, the price is right, and there's always something new—and I come to shop twice a week!"

"Brand awareness—and as a result, sales—is through the roof," said Sydney, CMO of Altocumulus Group. "This is due in part to our extensive efforts with focus groups, and collaborating with world-class designers for the collection."

The company does not provide a quarterly earnings outlook, but predicts even greater earnings for the next quarter.



CANON OR CANONED DEVELOPMENTS

-3%

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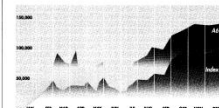
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0%

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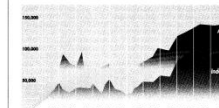
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CANON OR CANONED DEVELOPMENTS

+3%

IMAGE PROCESSING

B&W Contrast

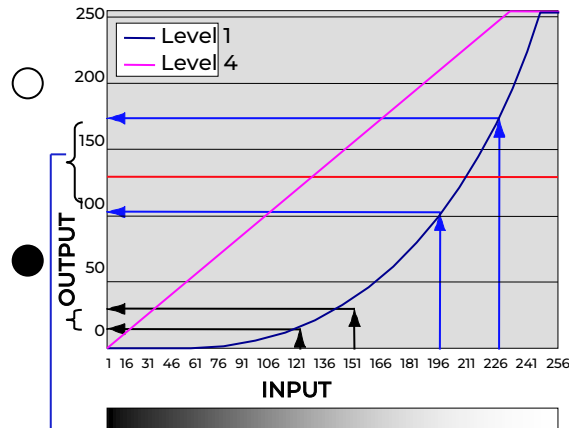
B&W Contrast ensures highly readable results when scanning low-contrast documents in black & white. Seven levels of contrast are available, with 1 for documents with light text on a light background and 7 for dark text on a dark background, and should be selected according to your document. How it works: the scanner first digitizes the scanned image (INPUT) into 256 levels of gray. Gamma is adjusted according to the selected contrast level, and data is then converted to binary data and output as either black or white.

Contrast Level 1

Completed	Origin
5/15/2005	SFO-otp
5/15/2005	NYU-atp
5/10/2005	MIN-ftp
5/13/2005	PAR-otp



Completed	Origin
5/15/2005	SFO-otp
5/15/2005	NYU-atp
5/10/2005	MIN-ftp
5/13/2005	PAR-otp



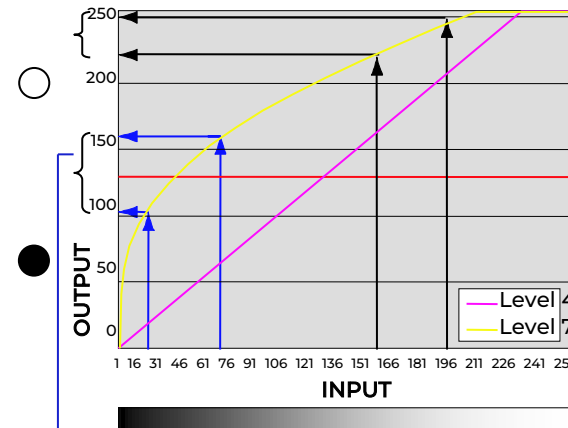
This contrast curve is ideal for light text on a light background.

Contrast Level 7

Completed	Origin
5/15/2005	SFO-otp
5/15/2005	NYU-atp
5/10/2005	MIN-ftp
5/13/2005	PAR-otp



Completed	Origin
5/15/2005	SFO-otp
5/15/2005	NYU-atp
5/10/2005	MIN-ftp
5/13/2005	PAR-otp



This contrast curve is ideal for dark text on a dark background.

DRIVER SETTING TOOL



Click the icons for the details

Capture OnTouch

CAPTUREONTOUCH

CaptureOnTouch series



CaptureOnTouch V.5 version up



Click the icons for the details.

2 EDITIONS OF CAPTUREONTOUCH STANDARD / PRO

Two editions available

CaptureOnTouch with its user-friendly interface has become widely used by not only consumer users but also by our business users. To keep an intuitive and simple scanning operation for consumers, while offering more professional functions for business users, two editions are available; Standard edition (COT V4) and Professional edition (COT V5 Pro). Please see below table for new and enhanced functions.

Category	Function	Win Pro	Win Std	Mac	Details
Scan	Batch separation	Y	-	-	Batch separation with Barcode*, Patch Code, Blank page and so on *Barcode Module needs to be installed into PC for use.
	Command scan	Y	-	-	Execute scanning with COT by command from other application.
	Multistream support	Y	-	-	Can configure scan conditions and edit for each stream
	VRS TWAIN Driver support	Y	-	-	Can scan with KOFAX TWAIN Driver
	CaptureOnTouch Job Tool support	Y	-	Y	Can work with Mobile application "CaptureOnTouch Job Tool" for the DR-S150 and the Network Adapter NA10/ WA10.
	Support Low-volume scanner	Y	-	-	Support DR-G2 series/ X10C
Output	Index File output	Y	-	-	Output text data extracted from scanned data as index file
	Scan data allocation	Y	-	-	Create folder based on separator information such as barcode.
	Security Settings	Y	-	-	"Security settings" to PDF setting is available. The contents of the security settings are same as the one in CapturePerfect 3.1.
Others	Compatible with Scanner Redirect Function	Y	-	-	Compatible with VMWare Horizon's scanner redirect function.

2 EDITIONS OF CAPTUREONTOUCH STANDARD / PRO

Category	Function	Win Pro	Win Std	Mac	Details
Enhancement from V3	Naming schema *	Y	-	-	More various naming schema become available
	Select scanner	Y	Y	Y	Integrated to one package software common with each scanners and user can select scanner to use when activating COT.
	Installer	Y	Y	-	Change the installer format to MSI format.
	Change scan settings	Y	Y	-	Change scan settings on Continuous Scanning screen
	Supporting Flatbed	Y	Y	-	Support the Flatbed Scanner Unit 102/ 201.
	Plug-in	Y	Y	-	Scan to App/Print/Mail plug-ins support System configuration tool.
	Supporting Thin client	Y	Y	-	Work on Citrix XenApp
	Supporting high-resolution display	Y	Y	-	
Supporting Arabic	Y	Y	Y		

2 EDITIONS OF CAPTUREONTOUCH STANDARD / PRO

Category	Function	Win Pro	Win Std	Mac *	Details
Functional improvement from V4	Two OCR processing modes: Speed priority and Detection priority	Y	-	Y	
	Improved OCR recognition rate	Y	-	Y	Detection priority only Speed will down
	Additional OCR-supported languages*	Y	-	Y	Detection priority only
	Support for loading images from a certain types of file (pdf file,etc.,)	Y	-	-	
	Add Word and Excel to output formats	Y	-	-	
	Speed improvement by changing the flow of file saving	Y	-	-	
	Improved speed of batch separation and metadata extraction	Y	-	-	
	Improved detection result matching with regular expressions when setting zone OCR and barcode recognition.	Y	-	-	
	Barcode detection direction can be specified, to improve processing speed.	Y	-	-	
	Improved operability of editing screens	Y	-	-	
	Improved file name settings	Y	-	-	
Changed thumbnail and toolbar specifications	Y	-	-		