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AUTO-FEED PORTABLE Wi-Fi SCANNER
User Manual

1 List of accessory

USB cable, Scanner, Software CD, User Manual, 6 x AA batteries, Pouch.

2 Warnings for safety use

Please do the operation according to below safety rules in case of any hurt:
- Be away from fire or hot device
- Be away from water
- Be away from dust or dirty
- Do not disassemble the scanner
- Do not knock the product
- Please use the required Micro SD card
- Be away from such environment with strong electromagnetic interference
- Please do not use an incorrect power supply
- Please do not mix the using of batteries
- Please do not break the USB cable
- Please do not painting
- Disposals of abnormal case
- Safety Storage
- Please do not insert or take out the Micro SD card when the scanner is working, or it may cause some defects on Micro SD card
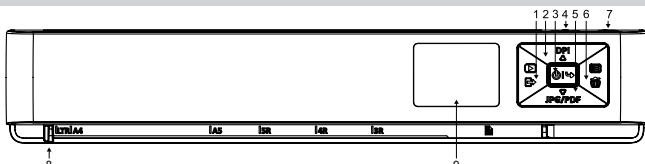
3 Product Information

This is a kind of Auto-Feed Portable Wi-Fi Scanner, it work as an automatic feeding scanner when use with docking station. Via DIRECTSCAN Pro apps, it can scan & Wi-Fi transfer the image to mobile devices directly (iOS & Android).
With batteries & Micro SD card, it can work without PC. When work with PC, it is no need for Micro SD card & batteries. DIRECTSCAN software included and it provides these functions of Picture Direct, OCR Direct, BCR Direct, Scan and OCR.
In this way, it can input these pictures into your needed software and do the OCR conveniently.
It can be previewing after you completed scanning. It is also very convenient to carry and you can use it to scan almost anything. It can be connected to iPad & Android tablets to load scanned pictures directly.

4 Product Specifications:

| Product Size(LxWxH)	285 mm x 50 mm x 43 mm	
Weight	350g	
Color type	CIS (Contact image sensor)	
Resolution	300DPI (default) , 600DPI , 1200DPI	
Scanning speed	A4 length: 1200DPI with color: ≤ 8s 600DPI with color: ≤ 5s 300DPI with color: ≤ 5s	1200DPI with mono: ≤ 5s 600DPI with mono: ≤ 5s 300DPI with mono: ≤ 5s
Scan width	216mm	
Scan length	300DPI: ≤ 1200mm 600DPI: ≤ 1200mm 1200DPI: ≤1200mm	
External memory card	Micro SD card (TF Card) up to 32GB	
Output file format	JPEG / PDF	
Display Panel	1.45" Color LCD (480*320)	
Focus range	Contact, ±0.3mm	
USB Port	USB 2.0 high Speed	
Power source	6 x AA batteries or USB	
USB mass storage	Windows XP / Win7 / Vista or above Mac 10.4 or above	
Wi-Fi	802.11b/g/n	
CD software System requirement	Operation System: Windows XP / Win7 / Vista or above CPU: Pentium III or above RAM: At least 256MB CD ROM: 4x speed CD ROM or above	

5 Introduction on appearance

5.1 Front View

No.	Name	Function / Description
1	Enter	Preview the scanning image
2	Up / Resolution	In menu mode, Upward function In main interface, Resolution selection
3	Power/Scan	Power on / Power Off / Menu Power off mode, press this button for 2 second to turn on Power on mode, press this button for 2 second to turn off Power on mode, you can also press this button shortly to start or end scanning
4	SD Card Slot	The place to insert Micro SD card
5	Down / File format	In menu mode, Downward function In main interface, File format selection
6	Menu	Enter into menu, this button is to confirm the function on the menu
7	USB Port	When plug in USB cable and connect with PC, it can scan and input directly. It also can use USB cable to provide 5V power supply and it is no need to load batteries.
8	Adjustable Plate	To fix scanning document width
9	TFT Screen	Show all the working status

5.2 Bottom View
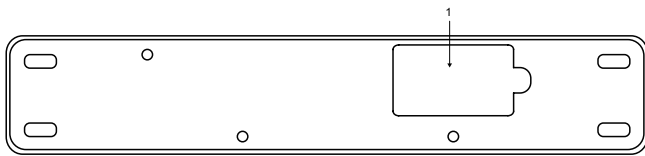
No.	Name	Function / Description
1	Battery Cover	You can load 6xAA batteries after opening. Scanner cannot recharge these batteries itself and you need to take out for recharging if applicable.

6. Introduction on Micro SD card capacity

Below is the store capacity for 2GB card based on A4 standard paper side:

2GB Micro SD Card	JPG			PDF		
	300Dpi	600Dpi	1200Dpi	300Dpi	600Dpi	1200Dpi
Color	1600	600	120	1600	600	120
Mono	2000	800	120	2000	800	120

Remark: the quantity may vary due to different file color, size or content and the above information just for reference.

7. Introduction on TFT Display

When you switch on the scanner powered by batteries, you can use Micro SD mode to scan / Wi-Fi mode

When you switch on the scanner powered by USB cable, you can choose PC / Micro SD mode to scan / Wi-Fi mode

- Main Menu, scan and save into Micro SD
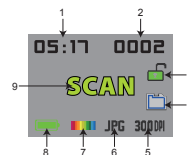- Micro SD mode, scan & save into TF card
- Wi-Fi mode, working with DIRECTSCAN Pro apps

7.1 Introduction on TFT Display
Right is the image for the TFT display:

NO.	Name	Description
1	Time	Show setting time(hour: minutes: seconds)
2	Scanning QTY	Show the scanning QTY saved in the Micro SD card
3	Encryption Select	▢ Encrypting ▢ Not Encrypting
4	Micro SD Card Status	To indicate Micro SD card status: 1. No signal means no Micro SD card insert. 2. Signal ▢ means Micro SD insert. 3. Signal ▢ means Micro SD card is full.
5	Resolution	Resolution level
6	Format Select	Scanned file format
7	Color format	scanning image is mono or color
8	Battery Status	To indicate the battery status: ▢ Full power. ▢ Half power. ▢ Little power. ▢ Almost use up.
9	Status Display	Showing scanning or connecting the PC

7.2 How to set Menu
Load scanner with Micro SD card & batteries and press "【Φ|→】" for 2s to start.
Press "▢▢" button to enter and you can set color, resolution, file format, encrypted / not encrypted, format, time and reset here. Press "【DPI】" or "【JPG/PDF】" to choose menu, press "【Φ|→】" to enter the submenu option and press again to confirm after selecting.
Press "▢▢" button to exit menu or pause about 5 seconds to return to main interface.

7.2.1 Color setting
Press "▢▢" button to start and press "【Φ|→】" to enter. Choose "▢▢▢" menu, press "【Φ|→】" and enter color option: "▢▢▢" show color mode, the scanned image will be colorized one; "▢▢" show mono mode, the scanned image will be black & white, press "【DPI】" or "【JPG/PDF】" to choose.
Press "【Φ|→】" button to exit the submenu.

7.2.2 Resolution setting
Choose "300DR" menu, press "【Φ|→】" button and enter the resolution option: 300dpi, 600dpi and 1200dpi can be chosen, press "【DPI】" or "【JPG/PDF】" to select.
Press "【Φ|→】" button to exit the submenu.
During standby status, you can press "【DPI】" to select resolution directly

7.2.3 File format setting
Choose "JPG" menu, press "【Φ|→】" button and enter file format option: JPG or PDF format can be chosen, Press "【DPI】" or "【JPG/PDF】" to select.
Press "【Φ|→】" button to exit the submenu.
During standby status, you can press "【JPG/PDF】" to select file format directly

7.2.4 File encryption setting
Choose "▢▢" menu, press "【Φ|→】" button to enter file encryption option: "▢▢" show scanned file encrypted, "▢▢" show scanned file not encrypted, press "【DPI】" or "【JPG/PDF】" to select.
Press "【Φ|→】" button to exit the submenu.
Remark: 1. File locking or unlocking can only work after Micro SD card formatting;

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2. The file can be read only if you put the Micro SD card into scanner and connect to computer.

7.2.5 Formatting setting
Note: after formatting, all the data in the Micro SD card will be lost, please make sure before formatting
Choose "▢▢" menu, press "【Φ|→】" button to enter formatting option: "▢▢" indicate not formatting, "▢▢" indicate formatting the Micro SD card.

7.2.6 Time setting
Choose "▢▢" menu, press "【Φ|→】" button to enter time setting.
When YEAR/MONTH/DAY/HOUR/MINUTE shows on the right upper part of the TFT display, you can set the YEAR/MONTH/DAY/HOUR/MINUTE, press "【DPI】" or "【JPG/PDF】" to adjust and press "【Φ|→】" button to confirm and enter the next time setting.

7.2.7 RESET setting
Under Wi-Fi mode, press "▢▢" button into RESET select: "▢▢" stands for not formatting, "▢▢" stands for formatting Micro SD card.

7.2.8 Previewing and deleting picture
During the standby status, you can press "▢▢" button to preview the scanned image and press "【DPI】" or "【JPG/PDF】" to view whole images.
If you need to delete any document, you can press "▢▢" button to enter and there will appear "▢▢" & "▢▢" option,: "▢▢" indicate not deleting, "▢▢" indicate deleting. Press "【Φ|→】" button to confirm.

8 Introduction on connecting with Tablets

8.1 Connect to iPad to read SD card
1. Switch on the scanner.
2. Connect the scanner to the iPad by USB cable & *iPad connection kit.
3. The saved pictures in the SD card will be displayed automatically.

8.2 Connect to Android Tablets to read SD card
1. Switch on the scanner.
2. Connect the scanner to Tablet via USB cable.
3. DCIM folder will show on the screen, double click to enter the folder for loading pictures.

9. Operations for DIRECTSCAN APP

9.1 Download APP
Download "▢" DIRECTSCAN app from App Store (iOS) or Play Store (Android) and setup.

9.2 How to connect scanner Wi-Fi
1. Press "【Φ|→】" button and switch on scanner. Then press "【DPI】 / 【JPG/PDF】" button to select Wi-Fi mode, red Wi-Fi sign "▢" on the screen will be flashing and Wi-Fi sign "▢" will turn into blue in 30 seconds. Now, Wi-Fi mode starts;
2. Switch on Wi-Fi setting on your mobile device and search scanner Wi-Fi account, as "(DIRECTSCAN – XXXXXXX), then type password to connect (Default password: 12345678);

9.3 Wi-Fi Direct
Click "▢" DIRECTSCAN app to start, green Wi-Fi sign "▢" means Wi-Fi connected, press "▢" button can view all the documents saved in Micro SD card, press "▢" button to enter Wi-Fi Direct operation, press "▢" button to start scanning and the scanned image can transfer to mobile devices directly. After scanning, you can save or do own editing.
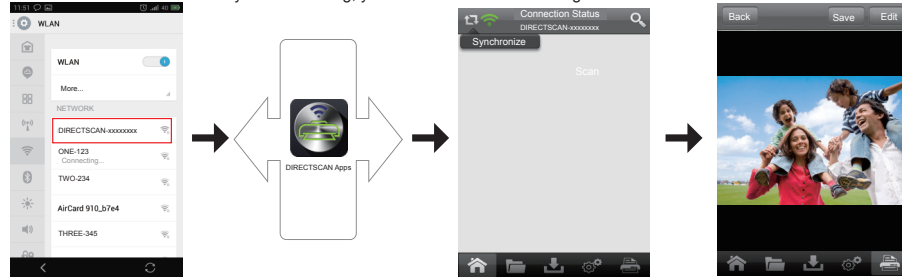

9.4 Wi-Fi Repeat
press "▢" button to enter Wi-Fi setting "▢" interface and choose a A/P Router Wi-Fi, input password and connect. Then go to mobile device Wi-Fi setting interface and connect the selected A/P Router Wi-Fi. Click "▢" button the scanner Wi-Fi ID will show on the interface to connect. Now, both scanner & mobile device connect to A/P router Wi-Fi and you can download the scanning image via Wi-Fi & share saving images to others synchronically.

App interface	App interface	Mobile device interface	App interface
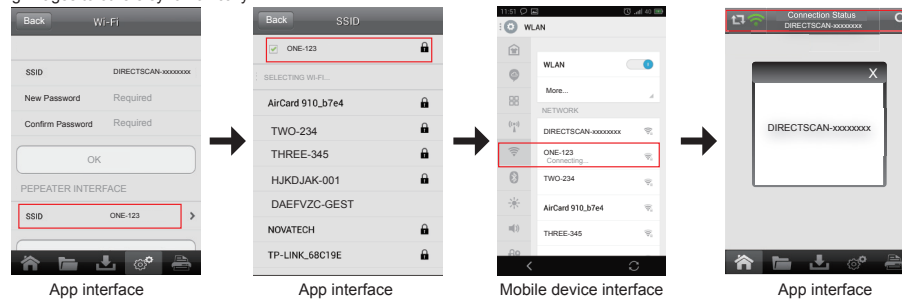
9.5 Download & save pictures
1. Use DIRECTSCAN APP.
2. Open DIRECTSCAN APP and click ▢ to connect.
3. Select you needed pictures and touch ▢ to download.
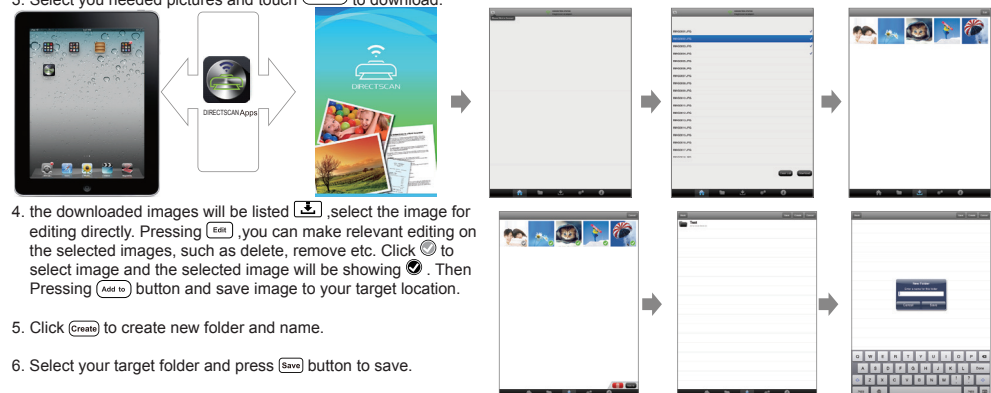
4. the downloaded images will be listed ▢ ,select the image for editing directly. Pressing ▢ ,you can make relevant editing on the selected images, such as delete, remove etc. Click ▢ to select image and the selected image will be showing ▢ . Then Pressing ▢ button and save image to your target location.
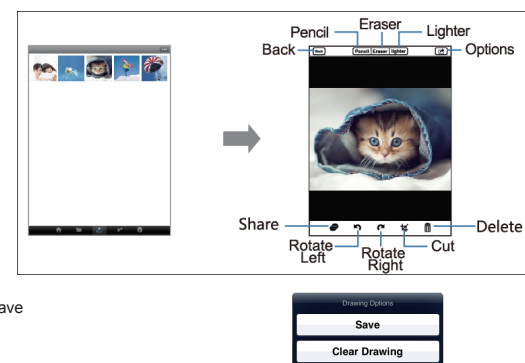5. Click ▢ to create new folder and name.
6. Select your target folder and press ▢ button to save.

9.6 Editing picture
1. Select the pictures for editing.

Function key	Functions
Back	Return to previous step
Pencil	Pencil
Eraser	Eraser
lighter	Lighter
▢	Save editing image
▢	Share
▢	Rotate antiiclockwise
▢	Rotate clockwise
▢	Crop
▢	Delete

2. Save editing image After editing completed, press ▢ to save image.

Save
Clear Drawing

9.7 Modify remove folder
1. Click ▢ and ▢ to select the picture & folder and click for modification or removing.

| Function key	Functions
▢	Delete
Options	Options: (Cancel (Create folder (Rename file/Folder (Move File/Folder (Select all
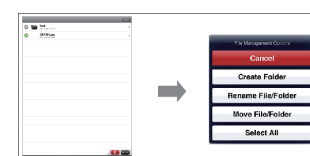
9.8 Wireless Security Setting
1. Switch Mode Button on the scanner to setting mode(Left).
2. Press ▢ button and it will show the interface of Wireless Security Setting as below image.
Then you can set SSID & Password here.

10 Computer modify SSID & Password

10.1 Turn on scanner and switch the button to Wireless Lan mode

1. Turn on scanner and switch the button to Wireless Lan mode, open "Wireless Network Connection" at your PC and then press "Refresh network list".

2. After refreshing, Wireless Lan "DIRECTSCAN -XXXXXXXX" will turn up and the last 8 numbers are the same as the last 8 number of MAC Address on your scanner. Double click the Wireless Lan and press the default password "12345678" to connect.
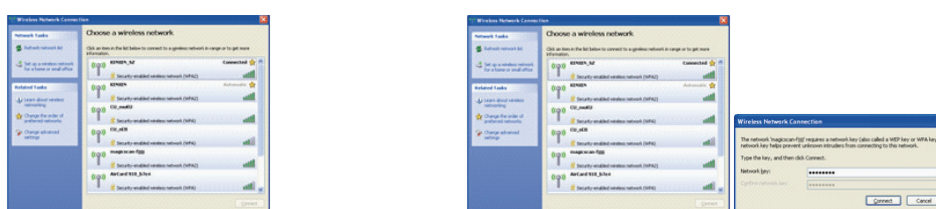
3. Open the explorer to type 10.10.1.1 and switch the button to Wireless Lan setting mode after connecting. Press the Settings menu on the left top of page to enter and submit the setting after modify the SSID & password. The newly SSID & password will take effect when you resume the scanner.

HTTP File Server
Shared Partitions:
▢sda1

Wireless Security Setting
SSID: DIRECTSCAN XXXXXX
New Password:
Re-confirm password:
Submit | Cancel

Remark: Password should be 8 numbers.

### 11 Introduction on connecting with PC

11.1 Scanning to Micro SD card
Insert Micro SD card and plug in USB cable (no need for batteries).
Press "【Φ|→】" button about 2 seconds, power on, then ▢ blinking in the lower part of the TFT, press ▲ or ▼ quickly to shift to ▢

shows file exported to Micro SD card.
Handle the scanning refer to 8.2 & 11 description

11.2 Mass storage mode
Just insert Micro SD card into the scanner and no need to setup any driver. It works with Windows and Mac system as below:
Works with Windows system (support Win XP, 7, Vista)
After plugging in USB cable, the PC screen shows as below:

Work with Mac (support Mac10.4 or above)
After plugging in USB cable, the PC screen shows as below:

VOLUME1
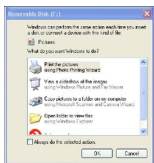
Double click to open and enter the Micro SD card memory.
Then you can see your scanned images into the DCIM folder;

Double click to open and enter the Micro SD card memory.
Then you can see your scanned images into the DCIM folder;

11.3 Scanning with DIRECTSCAN software
When you use DIRECTSCAN software to scan with PC, the default resolution is 300 dpi and file format is JPG.

11.3.1 Setup the included software
Insert the CD into the CD driver, double click the setup in the disc and choose the language you will use, click the next button until the installation completed.
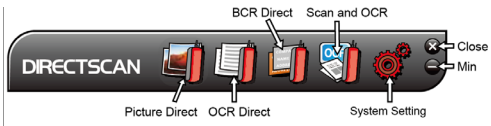
11.3.2 Setup the included software
1 After the software was installed, an icon will be shown on your computer desktop.

DIRECTSCAN

2 Connect the scanner to your computer, double click the "DIRECTSCAN" icon, a DIRECTSCAN tool bar will be appeared as below:

Remarks:
The preset language is English when you start the installation software at the first time and you can select another system language from the "setting" on function icon.

BCR Direct   Scan and OCR
Close
Min

DIRECTSCAN

Picture Direct   OCR Direct   System Setting
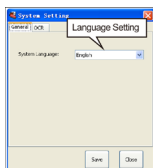
Language Setting

11.3.3 Picture Direct

1 Click "Picture Direct" icon, the function icon will be appeared as right picture:

2 Click the "Setting" button, then you can set the system language and scan color / orientation. After you finished the setting, click "Save" button to save the setting, then you can start to scan.

3 Select and open any office software or MSN / Skype / QQ communication software that you want to insert a photo, then place the mouse cursors in the selected software and location. Press and hold the " [δ/→] " button on the scanner to start scanning. Slide the scanner with the direction as below. After finish the scanning, release the " [δ/→] " button. The scanned picture will be inserted to your appointing software directly.

Setting Min Close
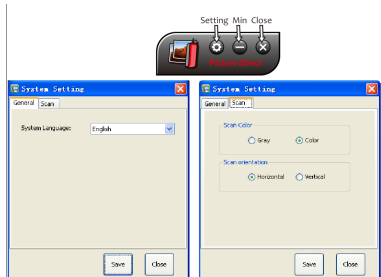
11.3.4 OCR Direct

1 Click "OCR Direct" icon, the function icon will be appeared as right picture:

2 Click the "Setting" button, then you can set the system language, scan orientation and OCR language, after you finished the setting, click "Save" button to save the setting, then you can start to scan.
*Please select not more than 3 languages for OCR.

3 Select and open any office software or MSN / Skype / QQ communication software that you want to insert text, then place the mouse cursors in the selected software and location. Press and hold the "Scan" button on the scanner to start scanning. Slide the scanner with the direction as setting. After finish the scanning, release the "Scan" button. The scanned text will be inserted to your appointed software directly for editing.
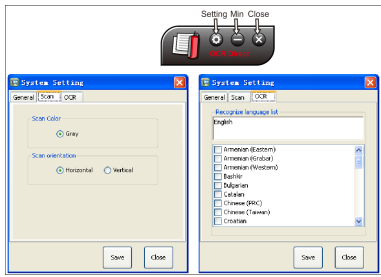
11.3.5 BCR Direct

Click "BCR Direct" icon, the user interface will be appeared as right picture:

Import Image   System Setting
New Card   Export Card   Exit
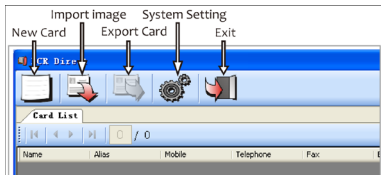
New card:
1 Click the "New Card" button, the user interface for creating new card will be appeared as right picture:
Card List: You can find all saved cards in the list.
Card Information: All card information.
Scan Image: Click "Scan Image" button to scan name card.
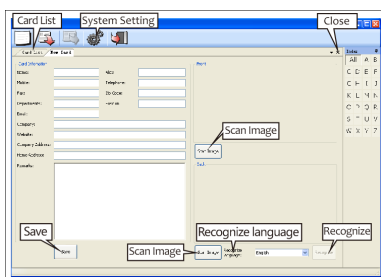**Recognize language:** You can choose recognize language according to card information.
Recognize: Recognize card information.
**Save:** Save card.
Close: Exit new card.

2 Click the "System Setting" button, then you can set the system language and scan color / orientation, after you finished the setting, click "Save" button to save the setting, then you can start to scan.

3 Click the "Scan Image" button, the user interface will be appeared as right picture: Press and hold the "Scan" button of scanner to start scanning. After finished the scanning, release the "Scan" button. The scanned picture will be inserted to this software directly, then you can click "OK" button to confirm the scanned picture and back to **New Card** interface, the scanned picture will be inserted to **New Card** interface automatically.

Scan Image

Card List   System Setting   Close

Scan Image

Save   Recognize language   Recognize

Scan Image — Ready
OK   Cancel   Rescan
- Resolve
- Rotate Left
- Rotate Right
- Flip X
- Flip Y
- Cut

Select recognize language, then click "Recognize" button to recognize all information of scanned card as below:

After you finish card edit, click "Save" button to save scanned card and back to "Card list" interface, it will add a new record in the card list automatically. Also you can double click the record to edit the card.

Lily   Flower Shop

BCR Direct
Card List
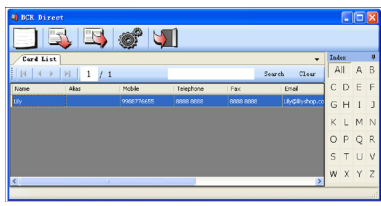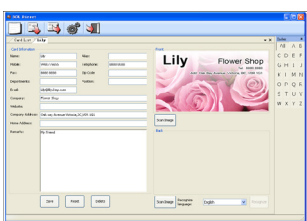
Import image
Click the "Import image" button, then you can import card to the software.
Click "Open Image" button to open a card from your computer, the card will be inserted to this software directly, then you can click "OK" button to confirm and back to **New Card** interface, the scanned picture will be inserted to **New Card** interface automatically. Then you can edit and manage the card same with New Card.

Export Card
Firstly, press the "Export Card" button and select the format to proceed, then save the card to your computer and you can input the card from the saved location.
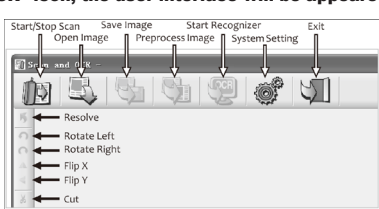Text format: there will be a folder named as Card Person name in the saved location and it includes a card picture & Text file;
vCard format: there will be a vCard format file named as Card Person name in the saved location.

Export Card
vCard   Text
OK   Cancel
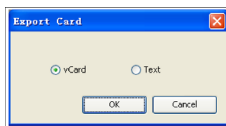
11.3.6 Scan and OCR

1 Click "Scan and OCR" icon, the user interface will be appeared as below:

Start/Stop Scan   Save Image   Start Recognizer   Exit
Open Image   Preprocess Image   System Setting
- Resolve
- Rotate Left
- Rotate Right
- Flip X
- Flip Y
- Cut

| Button Name	Functions
Start/Stop Scan	Start/Stop Scanning
Open Image	Insert pictures to the software from computer
Save Image	Save scanned pictures to computer
Preprocess Image	Preprocess the picture in the software
Start Recognizer	Recognizing and export the picture to Word/Excel/Text files directly
System Setting	Set the system language, scan color & orientation and OCR language
Exit	Exit the software
Resolve	After you cropped the picture, then you can click "Resolve" button to retrieve it
Rotate Left	Rotate the picture to left
Rotate Right	Rotate the picture to right
Flip X	Flip vertical
Flip Y	Flip Horizontal
Cut	Press and hold the left button of mouse to select desired area, then click "Cut" button to crop the picture

2 System Setting
Click the "System Setting" button, then you can set the system language, scan color / orientation and OCR language/Export format. After finished the setting, click "Save" button to save the setting, then you can start to scan.
***Please select not more than 3 languages for OCR.**
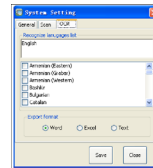
Export format ▶

3 Scan and OCR
a) Scan pictures
Click "Start/Stop Scan" button, press and hold the "Scan" button of scanner to start scanning. After finished the scanning, release the "Scan" button. The scanned picture will be inserted to this software directly, then you can click "Save Image" button to save the scanned picture to your computer.

b)Open pictures from computer Click "Open Image" button to open a picture from your computer, the picture will be inserted to this software directly.
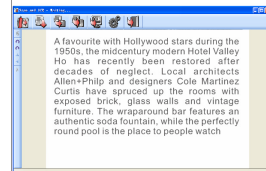
c) OCR
Click "Preprocess Image" button to preprocess the picture, the image will be change to Black and White picture as right picture :
Click "Start Recognizer", then select folder and file name. After confirm the setting, the software will start recognizing and export the picture to Word/Excel files automatically .

A favourite with Hollywood stars during the 1950s, the midcentury modern Hotel Valley Ho has recently been restored after decades of neglect. Local architects Allen+Philp and designers Cole Martinez Curtis have spruced up the rooms with exposed brick, glass walls and vintage furniture. The wraparound bar features an authentic soda fountain, while the perfectly round pool is the place to people watch

12 Operations & Attentions for Auto-Feed Scanning

12.1 Power by batteries
11.1.1. Load the Micro SD card & batteries according to these signs on the scanner and press [←/δ/ SCAN] for 2s to open.
11.1.2. Set your required color, resolution, JPG/PDF and Encryption.
11.1.3. Put the document on the flat table.
11.1.4. Put the scanner on the document and ensure the documents including the valid scanning width.
11.1.5. Press" [δ/→] " and the TFT display shows SCAN. It goes into scanning status.
11.1.6. Hold the scanner and slide according to your required direction until scanning completed.
11.1.7. Press" [δ/→] " again to exit scanning mode and one more file number will be added. In this way, it means the scanned file was stored into Micro SD card.

12.2 Please pay much attention to the following points when you scan:
● Please make sure you input the Micro SD card when you make handy scanning, or it can't work.
● Please do not take out the Micro SD card before the scanning completed.
● Please set the time & date when you open the scanner and the scanning date on the document just keeps the same as the setting.
● Please do not leave any finger printing or dirt on the CIS glasses and it may affect the scanning quality.

13 Introduction on Auto-Feed Scanning

13.1 Introduction on the application of Auto-Feed Scanning
Attention:
The batteries and USB cable should be connected when the scanner works with docking station
If you use the docking station batteries to supply power, the scanner can work whether you load the batteries on the scanner or not . It only works when you plug the USB cable into the docking station. However, it can't work if you plug the USB cable into the scanner for PC connecting or power supply.

13.1.1 The ways to scan without plugging in USB cable
Load the scanner on the docking station according to the point 6;
Load 6xAA batteries on the docking station;
Set the menu according to point 8;
Adjust the paper tray according to the document width;
Put the scanning image upward and push it into the paper tray;
The automatic feeder will run the paper after the scanner detects and you can release the paper for auto scanning;
The automatic feeder will stop work after the paper goes out and the scanning has completed. After that, the picture number will be increased by 1 piece on the TFT display and it means the scanned image was stored.

13.1.2 Usage when insert into USB
Please refer to 9, and please note below two point:
1. Insert the USB cable into the USB slot of docking station, not the scanner;
2. When scanning, do not press " [δ/→] " button, paper can be feed automatically, please refer to paper auto feed method 12.1.

13.1.3 Paper feed orientation when scanning with the docking station
When scanning with the DIRECTSCAN software, paper feed orientation should be followed as below, then scanning Image will be correct

Paper orientation	Orientation setting	Correct paper feed orientation	Wrong paper feed orientation		
123	Horizontal	123	123	123	123
	Vertical	123	123	123	123

When scanning without the DIRECTSCAN software, paper feed orientation should be followed as below, then scanning Image will be correct

Paper orientation	Correct paper feed orientation	Wrong paper feed orientation		
123	123	123	123	123

13.2 Attentions on the application of Auto-Feed Scanning
Please pay much attention to the below points when you use the scanner with docking station.
Not all the paper can go through the scanner and please see the below listed types:

	Type	Problems may arise
Not applicable documents	Papers with more than 1.0mm depth	The paper may jam on the process
	Very soft paper or clothing	It may not run
	Paper width exceeds 216mm	It can't input the paper tray

If these documents are in special shape (triangle, round, diamond, etc.), some area may be cut by the bottom automatic detective bar and please see the details as below:

Paper in	Shape	Problems may happen	Proposed solution
↓	▽	The area surpassing the dotted line may be cut	Turn around the document and put the longest side go firstly
↓	▽	The area surpassing the dotted line may be cut	Turn around the document and put the longest side go firstly
↓	◯	The area surpassing the dotted line may be cut	Put the round document onto a rectangular paper and then make the scanning
	Others	The surpassing area may be cut if the longest side does not go firstly	Please keep the longest side go firstly and please use same way as the round document if the longest side is not at the end edge

*iPad connection kit not included.
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