

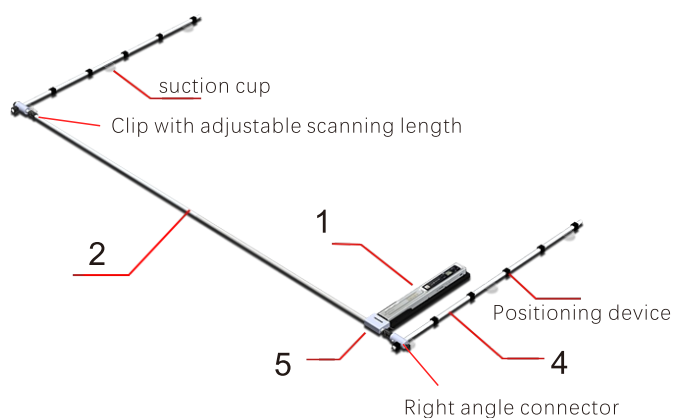
1. Product introduction:

It is foldable and portable, and can be used for offline wireless use. The image is saved in the scanner memory card and connected to the computer through data cable or card reader.

The product scans multiple overlapped images by contact scanning, and automatically and seamlessly synthesizes after importing computer software, which provides a new solution for large format image scanning. The track device is larger than A0 format, which can expand larger scanning size.

The host adopts a portable scanner with high-definition resolution. The synthesized A0 format image can output more than 140 million pixels.

The products can be used for engineering drawings, newspapers, calligraphy and painting, plate, stone and other image acquisition applications.

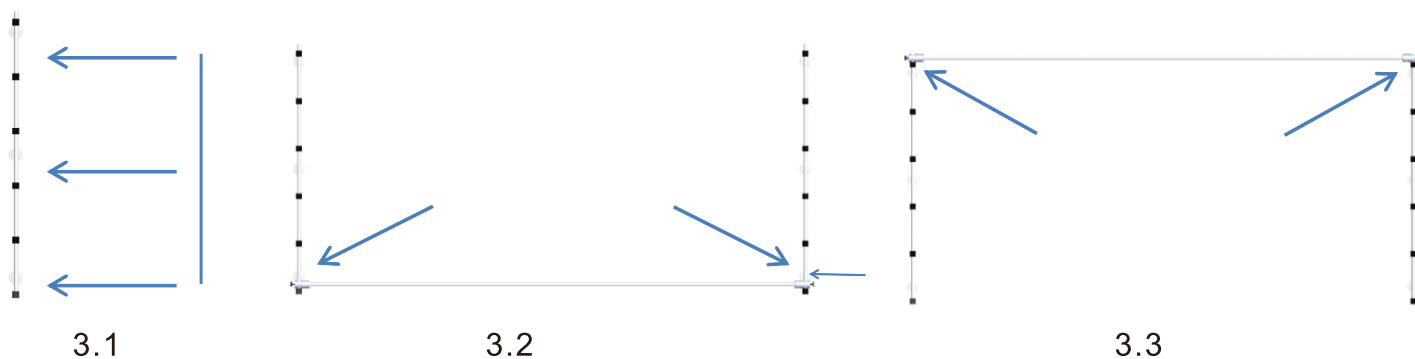


2. Configuration list:

1. Scanner host X1;
2. Track scanning rod with connector, 65cmx2;
3. Optional Track scanning rod, 30cmx1;
4. scanning rod with Position and suction cup, 65cmx2;
5. Scanner tray X1;
6. Data line X1;
7. Memory card, 16gx1;
8. Suction cup auxiliary sticker X8;
9. White balance correction card x1
10. Instruction, warranty card, certificate X1;
11. Transparent scanning film 1300*750*0.1mmX1
12. Stitching software
(materials and tutorial files are in the memory card)
13. Software lock x1
14. Card reader x1



3. Installation of track device:



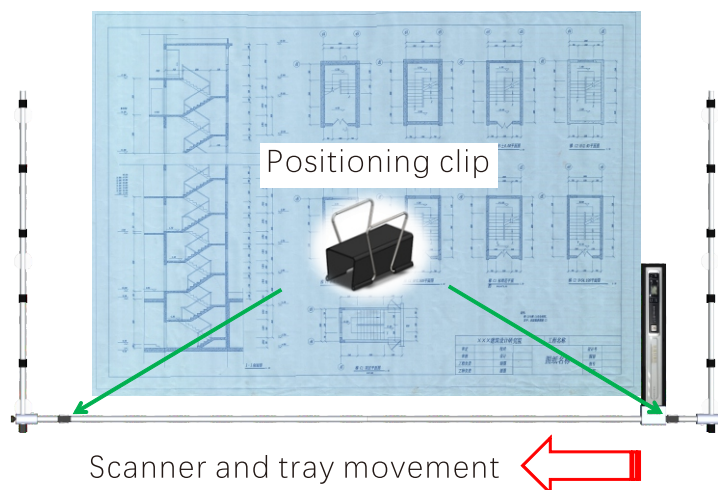
3.1 fix the left rail rod with suction cup.

3.2 after the scanning rail rod is inserted, two joints are respectively installed on the track rod of suction cup, and the first suction cup on the right is fixed.

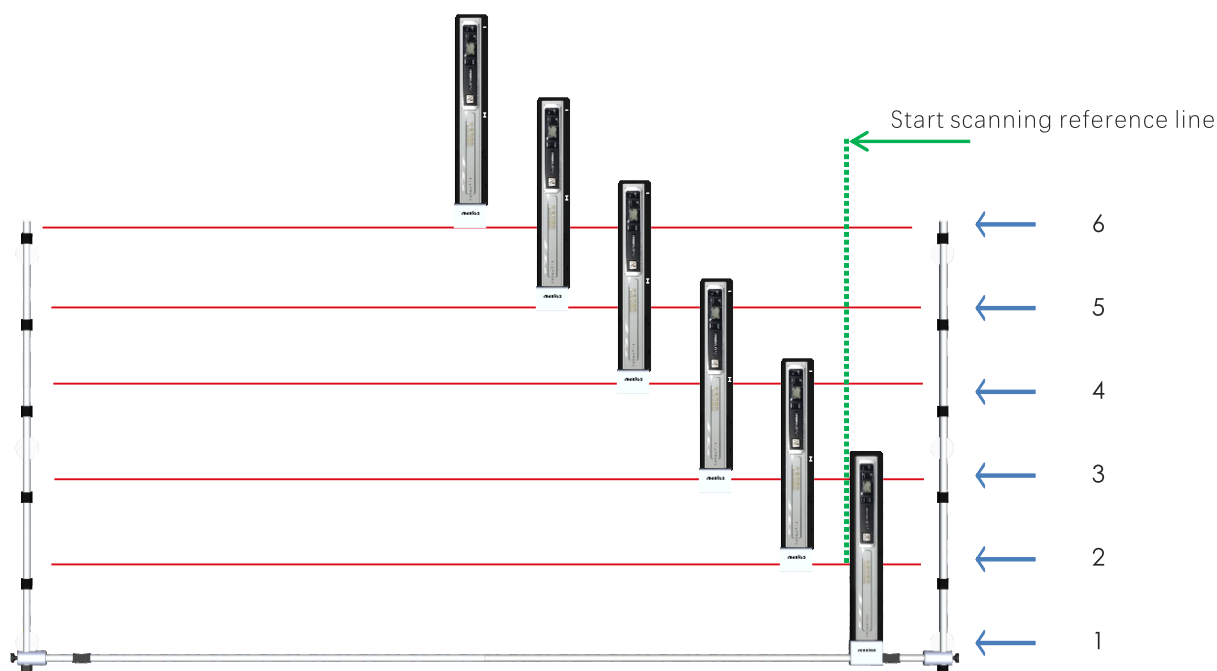
3.3 move the scanning rail rod to the top of the sucker rod and fix all suction cups on the right.
(if the surface cannot be absorbed, the auxiliary sticker of suction cup can be used)

4. Start scanning

4.1 lay the document on the desktop and fix it, or lay the transparent film on the scanning object. Two positioning clips are used to fix the rail pole according to the length of image scanning. After the scanner has installed the memory card, press and hold the power key for 3 seconds to turn on the device. Then press the power scanning key and push the scanner tray forward according to the moving direction to drive the scanner to roll scanning on the surface of the object. After the scan is finished, the scan key is followed again to end the scan. Please refer to the manual of the host computer for scanning precautions.



4.2 after the first image scanning is completed, place the scanning track in the second gear fixed, and then complete the second image scanning; scan all image areas with the above method, and pay attention to strictly follow the gear operation. For each scan, the position must be controlled according to the length of the positioning clip. Lean against the clip and press the key to finish scanning, so that the scanning length of each image is consistent. While scanning, keep the bottom roller of the scanner in contact and roll.



5. Three elements of image scanning:

1. The scanning length of each image is consistent;
2. The coincidence degree of adjacent images is about 30%. (in the range of 25-50%, it can be increased or decreased according to the complex image program);
3. The starting scanning position of the image is on a vertical reference line.

6. Scanning method for images over 1.5 meters:

When the maximum format of the image is larger than the length of the Track scanning rod, the image can be rotated 90 degrees. Set the scanning length according to the length of the short side of the image: after the Track scanning rod can be fixed, it is not necessary to move the Track scanning rod, only move the image: after scanning the image, move the image downward within the range of 11-16cm.

For example, scanning an image of 1.5x3m: the scanning length is 1.5m, and the width of 3M can be divided into several scanning lines. For each line of image scanning, the image is moved down about 14cm, and about 22 images need to be scanned.

1. Key features

- * Color/ Mono scan selection
- * JPEG/PDF scan selection
- * 900/600/300 dpi scan selection
- * Directly save JPEG/PDF files to the MicroSD card
- * Support the MicroSD&SDHC card up to 32GB
- * Driver free to download
- * Built in lithium battery
- * Support external power charging and scanning
- * Double row roller contact stable scanning
- * Maximum scanning length is up to 3 meters.

2. Functional parts



	Part	Function
1	SCAN	Power On/ Off: Press and hold this key for 3 seconds to turn power on or off. In power on mode, press this button to start scanning, press this button again to stop
2	Color/Mono	Select Color/Mono scan, Color/Mono mode icon will be displayed on status LCD
3	Format button	Press this button to format the MicroSD card.
4	LCD screen	Scanning status display
5	Scan/Error LED indicator	The Green LED indicates normal scanning Red LED indicates abnormal scanning/ overspeed.
6	Charge LED indicator	When the Red LED keeps on, it indicates the battery is charging. When the Red LED goes out, it indicates the battery has been fully charged.
7	DPI	Select High(900dpi)/ Medium(600dpi)/Low(300dpi) resolution; High/ Medium /Low resolution mode icon will be displayed on status LCD
8	JPEG/PDF	Select JPEG/PDF scan, JPEG/PDF mode icon will be displayed on status LCD
9	USB interface	Connect to a computer via USB cable provided to view and transfer files
10	Time set	Press to enter Time setting mode
11	Reset	Press to reset the scanner (Hardware reset)
12	MicroSD card slot	The MicroSD card storage location.

3.Explanation of the status icons



Item	Function	Description
1	File Format	JPG/PDF
2	SD card indicator	Photos will be stored in MicroSD card
3	Battery indicator	Battery is full Empty battery
4	Scan Color	COLOR/MONO
5	Counting Indicator	Shows scanned files in the MicroSD card
6	Scan resolution	H:900 dpi / M:600 dpi / L:300 dpi

4. Using the scanner

4.1 Turn on/off the scanner

Turn on/off the scanner by pressing the [POWER] button for 3 seconds.

Note: The scanner will power off automatically if no scanning action is detected within 3 minutes.

4.2 Inserting a MicroSD memory card (not included)

You must insert a MicroSD Card (not supplied) to record and store your pictures. Inserting the MicroSD memory card:

1. Turn OFF the scanner.
2. Insert the MicroSD card into the MicroSD card slot, and gently press in until the card is latched.

Note:

1. Do not force the card into the slot; forcing may damage both the scanner and the MicroSD memory card. Align the MicroSD card position (as marked) and try again.
2. The MicroSD memory card must be formatted before scanning. See the following instructions.



4.3 Time and date setting

1. Press [TIME SET] button once to enter time setting mode by using a thin, blunt object, such as the end of a paperclip to access the button. The LCD status display screen will show "1##" (step 1) for the year. "##" is a set of number that would be changed to correspond to the actual time/date setting. The numbers 1-5 in front of "##" indicates each step in the settings. Time (2012.1.1-2050.12.31).
2. Press the [JPG/PDF] or [DPI] button to select the current Year.
3. Press scan button once to confirm setting.
4. Repeat step 2 and 3 to continue the Time and Date setting process.

Indicator	Setting
1 ##	Year
2 ##	Month
3 ##	Date
4 ##	Hour
5 ##	Minute

5. After setting the Minute, "5##", press the [TIME SET] button again to complete the Time and Date setting.

4.4 Formatting the MicroSD memory card

1. Insert a new MicroSD card into the scanner, and then turn on the scanner.
2. Press the format button into format mode. "F" will display on the LCD.
3. Press the SCAN button to start formatting the MicroSD card.
4. SD card indicator will blink until format is complete.

4.5 Setting the resolution

Press the [DPI] button to select High / Medium / Low resolution. High/ Medium / Low resolution icon will be displayed on status LCD.

4.6 Setting the scan mode

Press the [JPEG/PDF] button to select JP EG/PDF mode. JPEG/PDF icon will be displayed on status LCD.

4.7 How to calibrate the scanner

Note: Perform calibration only when white balance needs adjustment

1. With the dry cleaning cloth provided, clean the scanning lens located on the bottom of the scanner.
2. Turn on the scanner by pressing the SCAN button. Place the scanner on the white area of the White Balance Calibration paper provided.
3. Press and hold the Color/Mono button. While holding the Color/Mono button, press the SCAN button and then release both buttons to enter into auto-calibration mode. SD symbol will flash and then stop. SCAN/ERROR LED will turn red.
4. Do not move the scanner. Wait until the "RED" LED turns off. "GREEN" LED will stay on.
5. With only the "GREEN" LED light on, start scanning the white paper by sliding the scanner across the paper until the "GREEN" LED light turns off. (Slide the scanner backwards if necessary).
6. Press and hold the SCAN button to power off the scanner. Calibration is complete.

4.8 How to scan

NOTE: To scan, make sure your scanner is not connected to the computer.

1. Turn on scanner by pressing the SCAN button for 3 seconds.
2. Hold the document firmly with one hand on a flat surface.
3. Place the scanner on the edge of the paper to ensure the whole document can be scanned. Make sure to keep the scanning area in between the scanning width indicators marked on the side of the scanner.
4. Hold the scanner flat against the material and then press the scan button once.
5. Slide the scanner slowly, keeping your hand stable to get the best quality picture.
6. Press the SCAN button again to stop scanning.

5. LED light indications

LED indication	Function Description
Green SCAN/ERROR LED ON	Scan in progress.
Green SCAN/ERROR LED OFF	Stand by/Scan is complete.
RED SCAN/ERROR LED ON	May cause scanning error. Restart and scan again.
RED SCAN/ERROR LED OFF	No error in scanning speed. Continue scanning process.
RED CHARGE LED keeps ON	Battery is charging
REDCHARGE LED OFF	Charge is over
RED CHARGE LED flashes	Low power warning (the pressure is lower than 83%)

6.Connecting to computer

You can connect the scanner to the computer via USB cable and browse the pictures on the computer display.

1. Press the scan key to start the scanner, connect the scanner to the computer, and enter the USB transmission mode.

2. The USB logo will be displayed on the status LCD. Click computer "open folder" to browse / copy / move / or delete scanned files.

3. The scanned files will be displayed in the DCIM > 100media > folder in sequence.

NOTE: If the Removable Device Window did not launch automatically, go to your "My Computer" and find the device under Removable Storage.

7.Scanner charging

Connect the scanner data cable to the computer, mobile power supply, or external power adapter (5V current no more than 2A), which can charge the built-in battery of scanner.

When the scanner is connected to the computer, the default mode is USB transfer and charging mode. At this time, press the scan key to switch to scan and charging mode. Pressing scan again cannot return to transmission mode. You need to restart the scanner to switch back to the default mode.

8.Specifications

image sensor	A4 Color Contact Image Sensor		
Resolution	Low resolution : 300x300 dpi Middle resolution: 600x600 dpi High resolution: 900x900 dpi		
Minimum scanning speed for Letter size document	Color High resolution Mono High resolution Color Medium resolution Mono Medium resolution Color Low resolution Mono Low resolution	12.0 10.0 8.0 6.0 3.0 2.0	Seconds Seconds Seconds Seconds Seconds Seconds
Capacity (Based on 1GB MicroSD card.Scan A4 size file, the quantity of scans varies depending on the content complexity)	Color High resolution Mono High resolution Color Medium resolution Mono Medium resolution Color Low resolution Mono Low resolution	240 Scans (Min.) 250 Scans (Min.) 550 Scans (Min.) 600 Scans (Min.) 1580 Scans (Min.) 1600 Scans (Min.)	
Scan width	216mm		
Scan length	300DPI:2000-3000mm (max); varies according to the complexity of the pattern 600DPI:1630mm (max); 900DPI:1480mm (max);		
File format	JPEG/PDF		
LCD	Scanning status display		
Auto Power Off	3 Minutes		
USB Port	USB 2.0 high speed		
External memory	MicroSD Card		
Standard Battery	700mAH Lithium-Polymer		

9.Troubleshooting

Problem	Cause Low battery power.	Recharge the battery
Cannot turn on the scanner	1.The MicroSD card has not been installed 2. Memory is full 3. The MicroSD card has not been formatted properly	1.Install a MicroSD card 2.Download the pictures from the scanner to the computer to create storage space 3.Please refer to section 4.4
scanner Pictures cannot be saved when you are scanning them	Connection failure	Make sure all cable connections are secured. Restart the computer if necessary
Computer does not recognize your Scanner	The lens of scanner is dirty.	Clean the lens with soft and dry cloth.
connected (You cannot find removable disk)	Contact Image Sensor aged.	The Scanner should be re- done calibration
Blurry images	Scanner protective glass is dirty.	Clean the sensor's protective glass with clear and soft dry cloth.
Black Images/Black or white vertical lines	Calibration data is off-set.	Recalibrate scanner. Refer to section 4.7.
Red SCAN/ERROR LED is on after powered on	The calibration data is destroyed	Recalibrate the scanner. Refer to section 4.7
SCAN/ERROR LED is on when scanning a document	Scanning speed is too fast	Press the SCAN button to reset and scan again the document
Black Image	Contact Image Sensor aged.	Recalibrate the scanner. Refer to section 4.7

10. precautions

1. Before scanning, please check the lens glass of the scanner. If there is dust, fiber and other garbage, please clean it in time, otherwise the scanned image will appear small white vertical lines.

2. Clean the surface of the scanning object, keep it flat and clean, without gravel, otherwise the scanning gear will cause rolling jamming.

3. When the scanner is stuck, please do not force it. Check the transmission gear of the base, and clean the gravel between the gears with toothpick or other small tools. If it has entered the internal gear, ask professional personnel to disassemble the machine for treatment, or contact the manufacturer for after-sales service.