NetumScanPro™

Linux end user manual

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catalogue

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I. Software Introduction

1.1 Software Introduction

NetumScanPro is a professional high-speed scanner software that features an innovative foldable design for ultra-convenience. It offers high-speed scanning with extremely accurate text recognition, enabling the rapid conversion of text from images into editable formats. The software also integrates the professional collection capabilities of high-speed scanners, allowing users to quickly scan and collect various documents and books through a simple and intuitive interface. This process swiftly transforms physical information into digital data, facilitating storage, management, and sharing, making office workflows more convenient, efficient, and intelligent.

1.2 List of supported systems

Operating system and version (in alphabetical order)	architecture
Zxin UOS desktop operating system 20 and above	X86_64
Kylin Desktop Operating System V10 and above	X86_64
ubuntu Desktop operating system 20.04 or above	X86_64
debian Desktop operating system 12 or above	X86_64
fedora Desktop operating system 41 or above	X86_64

1.3 Software architecture

1. Photographing module: mainly uses the high camera to take photos manually, on schedule or automatically, save pictures in various formats and perform simple electronic archiving operations.
2. Document module: mainly uses high–speed camera to take manual photos/timed photos/automatic photos, save pictures in various formats, merge multiple pictures and save them as independent files, and integrate ID cards.
3. Exhibition stand module: it mainly uses the high–speed camera to take photos for preview display, annotate and modify the preview display, and record the preview area display into a video for saving

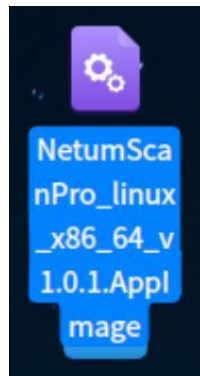# 2. Installation and uninstallation

2.1 Installation

appimage package, x86_64, supports unisinosuos/kelin/depth/ubuntu/debian/fedora

deb, x86_64, supports ubuntu/debian
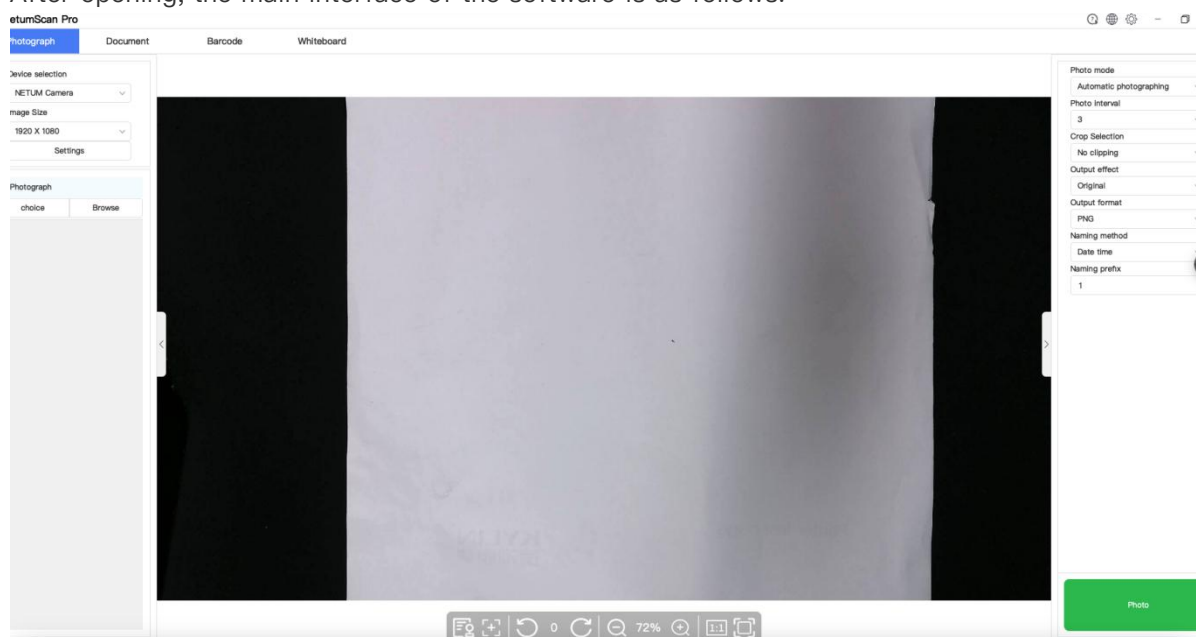
rpm , x86_64, supports fedora

2.2 Operation

Double cllick to open

The permission dialog box pops up, select [Run in Terminal] or [Run]

After opening, the main interface of the software is as follows:

2.3 Uninstall

The uninstallation can be completed by deleting the AppImage file
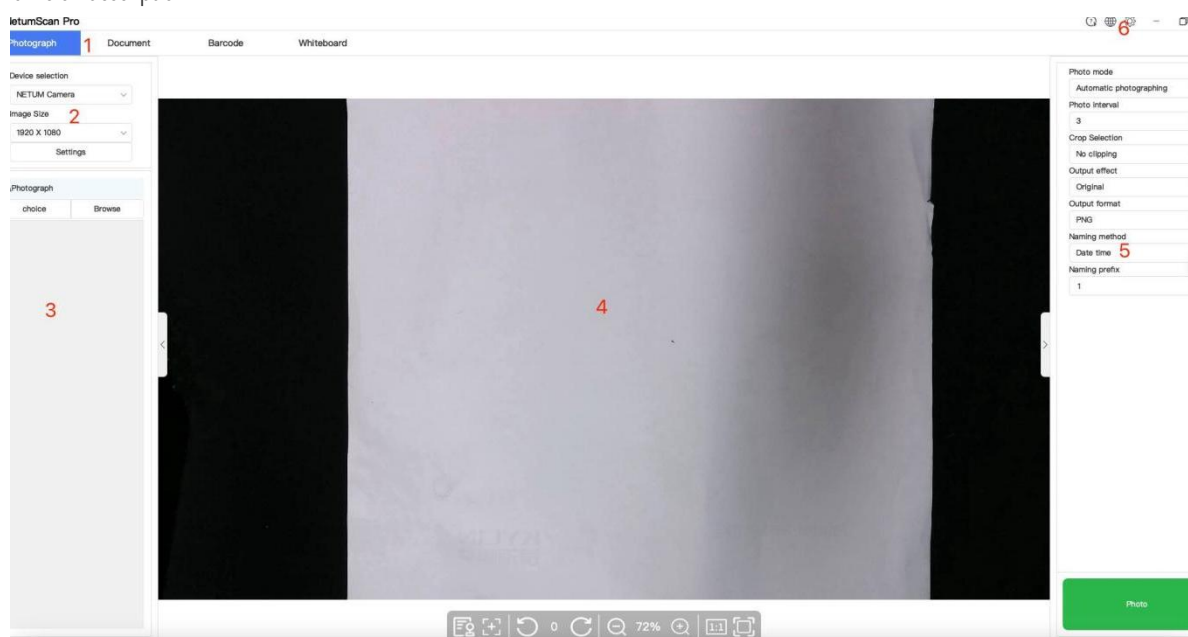
3. Software functions

prepare

➢ The high camera equipment should be properly placed on a black background soft pad (not mandatory) or a black hard shell (not mandatory) and used
The USB cable is connected to the USB

port on the computer ➢ Interface area

division description:

1 Module navigation bar: used to select the operation function module.
2. Equipment control area: used to control the relevant operation of the high camera.
3 Task management area: used to manage the images and files generated by the high camera operation.
4 Preview operation area: used to display real-time preview and view operation of the high camera.
5 Camera control area: Used to select the operation related to the scanning camera parameter Settings.
6. Equipment Settings Area: Used to select software language, software theme, and other advanced parameter Settings operations.

4. Camera module

function declaration

- Shooting mode:
  - ➢ Manual photo: Click the [Photo] button with the mouse to take a photo.
  - ➢ Automatic photo taking: The software detects and determines whether the data file is changed according to the changes in the preview screen to control photo taking. ➢ Timed photo taking: The software automatically takes photos according to the selected time interval.
- timing interval:
  - ➢ The options are 3, 5, 7, and 10
  - ➢ Note: This option will only be displayed if [Photo mode] is selected as [Automatic photo] or [Manual photo]. • Cut selection:
  - ➢ No cropping: Keep the original size of the image taken by the high camera unchanged.
  - ➢ Automatic cropping: the software automatically crops the image into a picture according to the content of the image (the background of the file is black).
  - ➢ Automatic cropping (multiple pictures): The software automatically crops the pictures into multiple pictures according to the content of the pictures (the background of the file is black).
  - ➢ Customization: The software obtains the area according to the automatic cropping algorithm, and displays four points on the preview operation area, which can be used by mouse Mark the position of the moving area point.
  - ➢ Custom (rectangle): The software obtains the maximum rectangular area and displays four points on the preview operation area, which can be moved by mouse The location of the region point (other points will move according to the position of the moving point, ensuring that the region is a rectangle). • Manual threshold:
  - After the check, the automatic cropping algorithm will crop according to the automatic cropping manual threshold set.
  - ➢ Note: This option will only be displayed if [Crop Selection] is selected as [Auto Crop] or [Auto Crop (Multiple Images)]. • Intelligent edge trimming:
  - The software will process the image after automatic cropping twice, and cut the black edges that still exist. • Intelligent repair:
  - The software will then process the automatically cropped image a second time, restoring any remaining black edges to white.
  - ➢ Note: [Smart Edge Repair] and [Smart Repair] operations will be processed according to the automatic cropping edge threshold set in the Settings. • Output effect:
  - ➢ Original image [Original]
  - ➢ Grayscale [Grayscale]
  - ➢ Black and white (binary) [blackand white(Binarization)]
  - ➢ Black border (without background color) [black and white (Includestamp)] •
- output format:
  - png/jpg/bmp/tif
- Naming method:
  - ➢ Serial number: A suffix for a growing serial number.

➢ Date and time: A string suffix with the current date and time [yyyyMMddHHmmssfff] as its content.

➢ No suffix: No suffix is

- Prefix for naming:
The prefix content of the file name to be saved.

operating process

- Open the software and enter the "Take a Photo" module.
- Select "Photo mode", "Crop selection", "Output effect", "Output format", and "Naming method", and enter "Naming prefix".
- Click the photo button to take a photo. The software will take a photo according to the set options, save the picture to the specified folder, and display it in the task management area on the left side of the software.

5. Document module

function declaration

- Shooting mode:
  ➢ Manual photo: Click the [Photo] button with the mouse to take a photo.
  ➢ Automatic photo taking: The software detects and determines whether the data
  file is changed according to the changes in the preview screen to control photo
  taking. ➢ Timed photo taking: The software automatically takes photos at the
  selected time interval.
- timing interval:
  ➢ The options are: 3, 5, 7, 10
  ➢ Note: This option will only be displayed if [Photo mode] is
selected as [Automatic photo][Manual photo]. ● scan pattern:
  ➢ Scan a single page: Scan an image and export it to a file.
  ➢ Scan multiple pages: The scanned images are recorded in the temporary queue. After
  scanning is completed, click export file to complete the scan.
  ➢ Scan the certificate: Take a photo of both sides of the certificate and record it in the
  temporary queue. After scanning, click export to complete the scan. ➢ Front and back (left and
  right horizontal splicing): Merge two pictures in the left and right splicing mode and export them
  into one picture.
  ➢ Positive and negative (vertical combination): Merge two images into one
  by installing them vertically. ➢ Note: The temporary queue area is
  displayed on the right side of the photo control.
- Cut selection:
  ➢ No cropping: Keep the original size of the picture taken by the high camera unchanged.
  ➢ Automatic cropping: the software automatically crops the image into a picture according to the
  content of the image (the background of the file is black).
  ➢ Automatic cropping (multiple pictures): The software automatically crops the picture into
  multiple pictures according to the content of the picture (the background of the file is black).
  ➢ Customization: The software obtains the area according to the automatic cropping algorithm,
  and displays four points on the preview operation area, which can be used by mouse
  Mark the position of the moving area point.
  ➢ Custom (rectangle): The software obtains the maximum rectangular area and displays four
  points on the preview operation area. You can move the position of the area point by mouse
  (other points will move according to the position of the moving point to ensure that the area is a
  rectangle).
    ● Manual threshold: After checking, the automatic cropping algorithm will
  crop according to the manual threshold of automatic cropping set. ➢ Note:
  This option will only be displayed if [Crop Selection] is selected as [Automatic
  Cropping] or [Automatic Cropping (Multiple Images)].
- Intelligent edge trimming: The software will carry out secondary processing on the image
  after automatic cutting, and cut the black edges that still exist.
- Intelligent repair: The software will carry out secondary processing on the automatically
  cropped image, and repair the remaining black border into white.
    ➢ Note: [Smart Edge Repair] and [Smart Repair] operations will be processed
  according to the automatic cropping edge threshold set in the Settings. ● Output
  effect:
    ➢ Original image [Original]

➢ Grayscale [Grayscale]

➢ Black and white (binary) [blackand white (Binarization)]

➢ Black border (without background

color) [black and white (Includestamp)] •

output format:

png/jpg/bmp/tif/pdf/text/word/excel

- Naming method:

    ➢ Serial number: A suffix for a growing serial number.

    ➢ Date time: A string suffix with the current date and time [yyyyMMddHHmmssffff].

    ➢ No suffix: No suffix is required.

- Prefix for naming: The prefix content used to name files for storage.

operating process

- Open the software and enter the "Take a Photo" module.
- Select "Scan mode", "Take a photo mode", "Crop selection", "Output effect", "Output format", "Naming method" and enter "Naming prefix".
- Click the photo button to take a photo. The software will scan according to the set options, save the picture to the specified folder, and display it in the task management area on the left side of the software.

6. Booth module

function declaration

- output format:
  png/jpg/bmp/tif/avi/mp4/flv
- Output effect:
  - ➢ Original image [Original]
  - ➢ Grayscale [Grayscale]
  - ➢ Black and white (binary) [blackand white(Binarization)]
  - ➢ Black border (without background color)

[black and white (Includestamp)] • Naming method:

- ➢ Serial number: A suffix for a growing serial number.
- ➢ Date and time: A string suffix with the current date and time [yyyyMMddHHmmssfff] as its content.
- ➢ No suffix: No suffix is

required. • Prefix for naming:

The prefix content used to name files to be saved. • Audio selection:

Select the sound source for recording the video

operating process

- Open the software and enter the "Exhibition" module
- Select "Photo format", "Output effect", "Screen recording format", "Audio selection", "Prefix", "Naming method", and enter the "prefix".
- Click the photo button to take a photo. The software will take a photo according to the set options, save the picture to the specified folder, and display it in the taskbar on the right side of the software. Click the record button to record a video. After recording, save the video to the specified folder.