

## Portta NS10

# Portta NS10 Film and Slide Scanner User Manual

Model: NS10

## 1. INTRODUCTION

The Portta NS10 Film and Slide Scanner is designed to convert various film and slide formats into digital images. This device operates independently, requiring no computer for scanning, and features a 5-inch LCD screen for real-time preview and adjustments. Digital images are saved to an SD card and can be viewed on the scanner or an external display via HDMI output.

Key features include:

- Compatibility with 35mm (135), 126, 110 film, and Super 8 (photo only) negatives and slides.
- Selectable 16MP or 22MP high-resolution output.
- Large 5-inch LCD screen for instant preview and image alignment.
- Direct saving to SD card (up to 128GB).
- HDMI output for viewing on a TV.
- Built-in image adjustment tools for brightness, color, and orientation.

## 2. PACKAGE CONTENTS AND SETUP

Before using the scanner, ensure all components are present and set up correctly.

### 2.1 Package Contents

The package should contain the following items:

- Portta Film & Slide Scanner
- 135 Negative Adapter
- 135 Film Adapter
- 110 Slide Adapter
- 110 Negative Adapter
- 110 Film Adapter
- Super 8 Film Adapter

- Hinged Slide Holder
- Cleaning Brush
- USB A to USB C Cable



**Figure 2.1:** Portta NS10 Film and Slide Scanner and its accessories. This image displays the main scanner unit, various film and slide adapters (135, 110, Super 8), a hinged slide holder, a cleaning brush, and a USB A to USB C cable.

## 2.2 Initial Setup

1. **Power Connection:** Connect the scanner to a power source using the provided USB A to USB C cable.
2. **SD Card Insertion:** Insert an SD card (up to 128GB, not included) into the SD Card Slot on the side of the scanner. Ensure it is inserted correctly until it clicks into place.
3. **Film/Slide Adapter Preparation:** Select the appropriate adapter for your film or slide type. Open the adapter and carefully place your film or slide into the designated slot. Close the adapter securely.

## 3. OPERATING INSTRUCTIONS

### 3.1 Powering On and Basic Navigation

1. **Power On:** Press the Power ON/OFF button located on the front panel to turn on the scanner. The Portta logo will appear, followed by the main menu.
2. **Menu Navigation:** Use the directional buttons (left/right arrows) to navigate through menu options and the

'OK' button to confirm selections. The 'Home' button returns to the main menu.



**Figure 3.1:** Panel Description. This image highlights the 5-inch LCD screen, Power ON/OFF button, Home button, OK/Image Settings button, Capture button, Forward/Flip button, Back/Mirror button, Film/Slide Adapter Slot, HDMI Port, SD Card Slot, and USB Port.

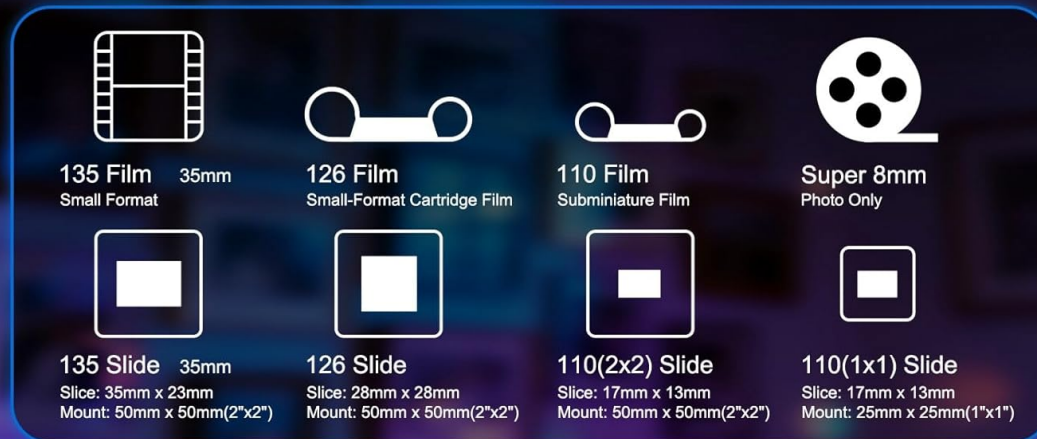
### 3.2 Loading Film and Slides

The scanner supports various film and slide types. Ensure you use the correct adapter for each format.

- **Compatible Formats:** 135 Film (35mm), 126 Film (Small-Format Cartridge Film), 110 Film (Subminiature Film), Super 8 (Photo Only), 135 Slide (35mm), 126 Slide, 110(2x2) Slide, 110(1x1) Slide.
- **Unsupported Formats:** The scanner does not support 8mm or 16mm film for video conversion.

# COMPATIBLE FILM & SLIDES

Negative Film Strips - Color & B&W  
Positive Slides - Color & B&W



 Does not support 8mm or 16mm film

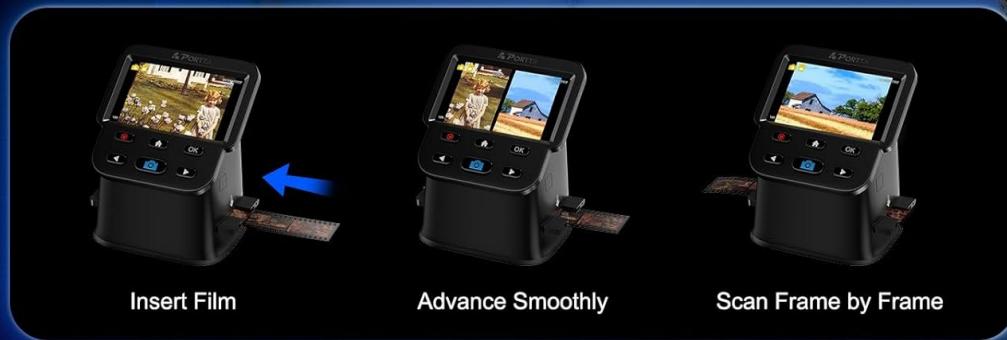


**Figure 3.2:** Compatible Film & Slides. This diagram illustrates the various film and slide formats supported by the scanner, including 135 film, 126 film, 110 film, Super 8 (photo only), and corresponding slide types.

1. **Insert Adapter:** Slide the prepared film or slide adapter into the Film/Slide Adapter Slot on the side of the scanner.
2. **Continuous Loading:** For film strips, gently push the film through the adapter. The scanner is designed for smooth, continuous feeding to scan frame by frame.

# CONTINUOUS LOADING

## Scan Faster with Smooth Film Feeding



**Figure 3.3:** Continuous Loading. This image demonstrates the process of inserting film, advancing it smoothly, and scanning frame by frame for efficient digitization.

### 3.3 Scanning and Saving Images

1. **Select Film Type:** From the main menu, select the appropriate film type (e.g., 135 Film, 110 Slide).
2. **Preview:** The image from your film or slide will appear on the 5-inch LCD screen.
3. **Adjust Image:** Use the 'OK' button to access image settings. You can adjust brightness, color balance, and orientation (flip/mirror) as needed.
4. **Capture:** Press the 'Capture' button (camera icon) to take a digital photo of the displayed image. The image will be saved to the inserted SD card.
5. **Resolution:** You can choose between 16MP standard or enhanced 22MP output for your scans.



**Figure 3.4:** 16MP/22MP High-Res Scans. This image shows the scanner actively displaying a high-resolution scanned image on its screen, indicating the quality of the digital conversion.

### 3.4 Viewing and Transferring Images

1. **View on Scanner:** Saved images can be reviewed directly on the scanner's 5-inch LCD screen using the playback option in the main menu.
2. **SD Card Storage:** All captured images are stored on the SD card. To transfer images to a computer, remove the SD card from the scanner and insert it into a computer's SD card reader.

# SD CARD STORAGE

Up to 128GB



**Figure 3.5:** SD Card Storage. This image illustrates the scanner's capability to save digital photos directly to an SD card, which can then be used to view images on a computer.

## 3.5 HDMI Output

Connect the scanner to a TV or monitor using an HDMI cable (not included) to view your scanned images on a larger screen.

1. Connect one end of an HDMI cable to the HDMI Port on the scanner.
2. Connect the other end to an HDMI input on your TV or monitor.
3. Select the correct HDMI input on your TV/monitor to display the scanner's output.

Your browser does not support the video tag.

**Video 3.1:** PORTTA NS10 Film & Slide Scanner Overview. This video provides a general overview of the Portta NS10 Film & Slide Scanner, demonstrating its features and ease of use for converting old films and slides to digital format.

## 4. MAINTENANCE

### 4.1 Cleaning the Scanner

Regular cleaning helps maintain optimal scanning quality.

- **Lens Cleaning:** Use the provided cleaning brush to gently remove dust from the film scanning area and lens. Avoid using liquid cleaners directly on the lens.
- **Exterior Cleaning:** Wipe the exterior of the scanner with a soft, dry cloth. Do not use abrasive cleaners or solvents.

## 4.2 Storage

When not in use, store the scanner and its accessories in a cool, dry place away from direct sunlight and excessive dust.

## 5. TROUBLESHOOTING

If you encounter issues with your Portta NS10 scanner, refer to the following common problems and solutions:

- **No Power:** Ensure the USB cable is securely connected to both the scanner and a working power source.
- **Image Quality Issues (Dust/Spots):** Use the cleaning brush to remove any dust from the film/slide and the scanner's lens. Ensure film/slides are clean before scanning.
- **Film/Slide Not Loading Smoothly:** Check that the film/slide is correctly inserted into the appropriate adapter and that the adapter is properly aligned in the scanner slot. Curled film may require careful handling.
- **Images Not Saving:** Verify that an SD card is inserted correctly and has sufficient free space. The SD card should be formatted if it's new or causing issues.
- **No Output on TV via HDMI:** Confirm the HDMI cable is securely connected to both the scanner and the TV, and that the correct HDMI input is selected on the TV.
- **Incorrect Colors:** Use the built-in color adjustment tools on the scanner to correct color balance. Note that heavily faded or damaged film may produce less accurate colors.

## 6. SPECIFICATIONS

Feature	Specification
Scanner Type	Film
Brand	Portta
Model Name	NS10
Connectivity Technology	USB
Product Dimensions (D x W x H)	5.31"D x 5.31"W x 6.3"H
Resolution	22 Megapixels (selectable 16MP/22MP)
Item Weight	407 Grams
Maximum Media Size	35mm
Media Type	Negative, Diapositive (Slides)
Supported Film Formats	135, 126, 110 Film & Slides, Super 8 (Photo Only)
Storage	SD Card (up to 128GB)
Display	5-inch LCD Screen
Output	HDMI

## **7. WARRANTY AND SUPPORT**

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### **7.1 Warranty Information**

The Portta NS10 Film and Slide Scanner comes with a 2-year warranty from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

### **7.2 Customer Support**

For technical assistance, troubleshooting not covered in this manual, or warranty inquiries, please contact Portta customer support. Refer to the product packaging or the official Portta website for the most current contact information.