SHARPER IMAGE®

SLIDE AND NEGATIVE CONVERTER BY SHARPER IMAGE

Item No. 209491

USER GUIDE

Thank you for purchasing the Slide and Negative Converter by Sharper Image. Please read this manual thoroughly before operating this device.

PRECAUTION

FCC Notice

This equipment has been tested and complies with the limits for a Class B digital device, as per Part 15 of the FCC Rules. These limits are designed to offer reasonable protection against harmful interference in residential settings. This device generates and uses radio frequency energy, and if not installed and used according to the instructions, it may cause interference with radio communications. However, there is no guarantee that interference will not occur in a specific installation.

If this equipment does cause harmful interference to radio or television reception, which you can determine by turning the device on and off, try to correct the interference by one or more of the following methods:

· Reorient or relocate the receiving antenna.

· Increase the distance between the equipment and the receiver.

· Plug the equipment into an outlet on a different circuit than the receiver.

· Consult a professional for assistance.

Important Note

· To comply with Class B limits according to Part 15 of the FCC Rules, this device should only be installed on computer equipment certified to meet Class B limits.
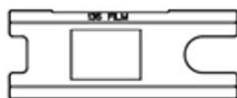
Technical Note

This device may include a microcomputer for signal processing and control functions. In rare situations, external interference, noise, or static electricity could cause the device to lock up. If this happens, turn off the unit, wait at least five seconds, and then turn it back on.
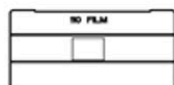
PARTS AND ACCESSORIES

Digital Film Scanner

135 Film Adaptor

135 Slide Holder/Main Holder

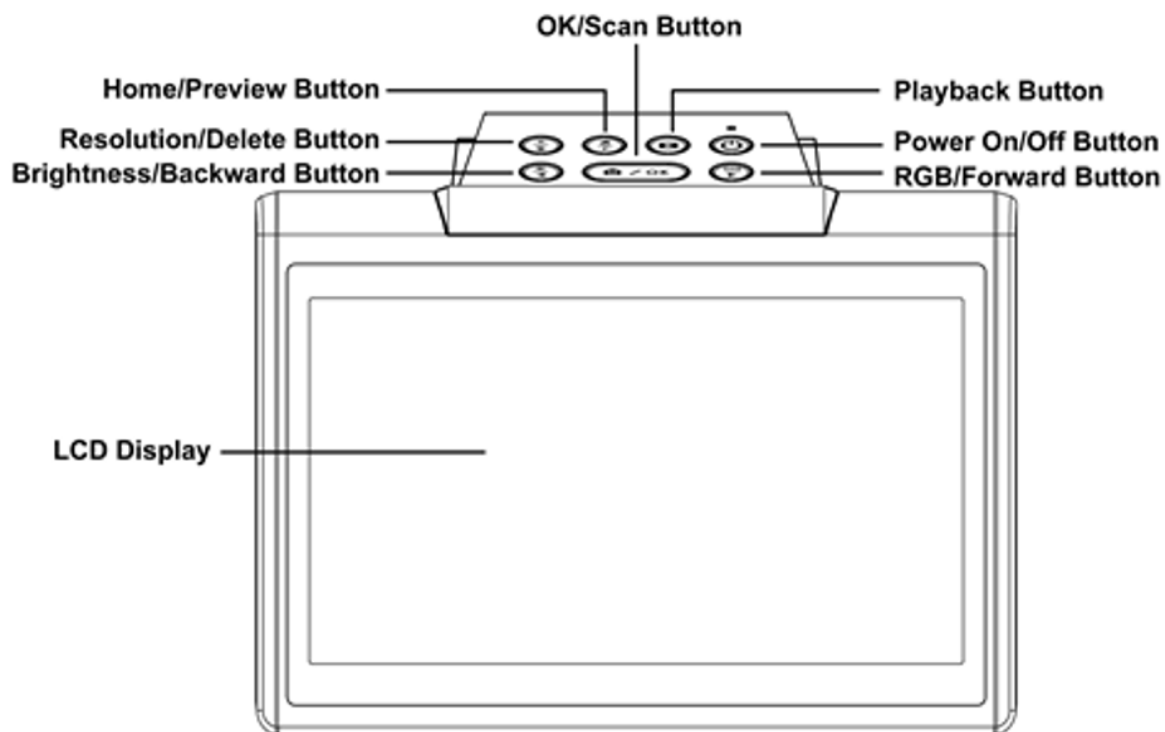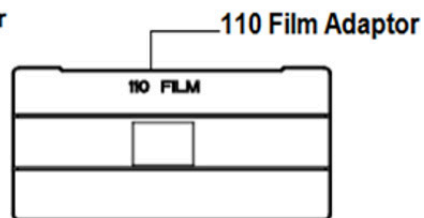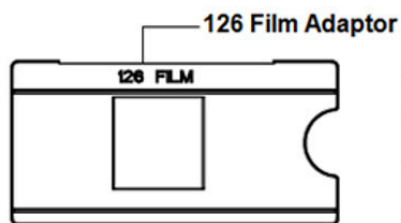110 Film Adaptor

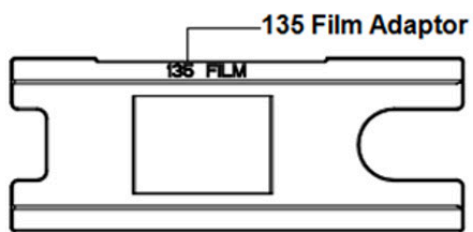126 Film Adaptor

Power Adaptor

HDMI cable

USB cable

Clean brush

BUTTONS AND FUNCTIONS

OK/Scan Button

Home/Preview Button

Playback Button

Resolution/Delete Button

Power On/Off Button

Brightness/Backward Button

RGB/Forward Button

LCD Display

HDMI Connector

SD Card Slot

Type-C USB Connector

Film/Slide Holder Slot

135 Slide Holder/Main Holder

135 Film Adaptor

135 FILM

126 Film Adaptor

126 FILM

110 Film Adaptor

110 FILM
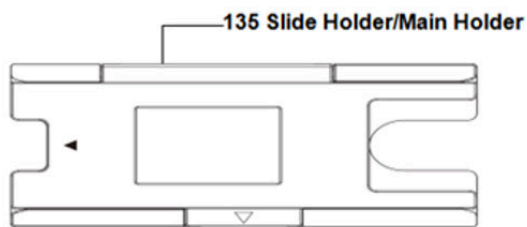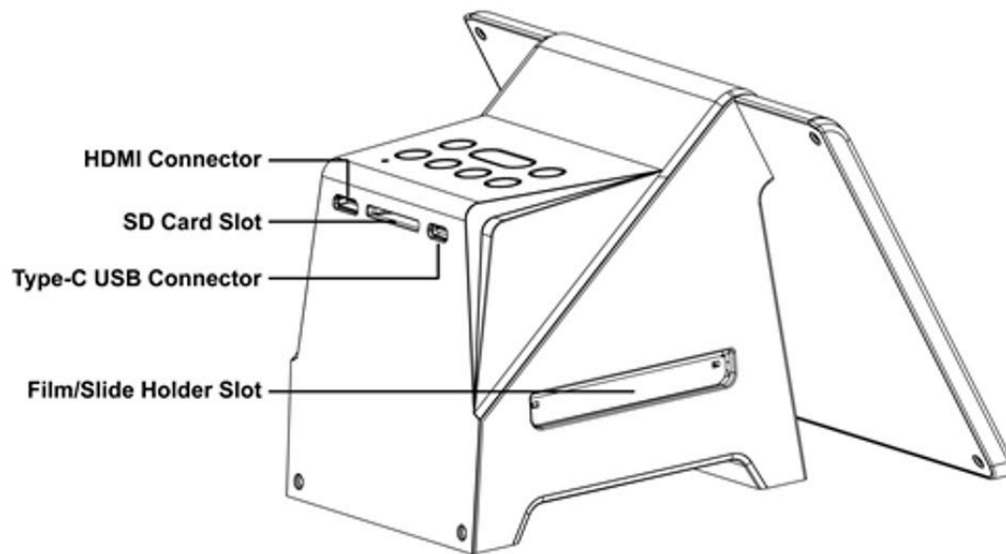
Note

To maintain clear image quality, we recommend regularly using the included brush to clean the glass surface inside the Digital Film Scanner slot. Additionally, ensure that your film negatives, mounted slides, and cover trays are clean before inserting them into the scanner. Dust or dirt on the negatives or trays can negatively impact the quality of your scanned images.

INSTRUCTIONS FOR USE
START USING YOUR DIGITAL FILM SCANNER

1. Insert the SD Card

Insert the SD card into the slot at the back of the scanner, with the gold contacts facing up. The card will automatically lock into place if inserted correctly.
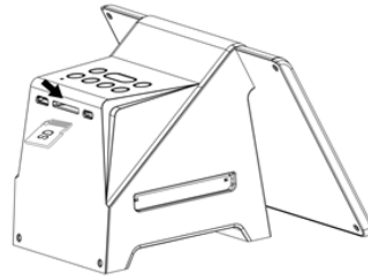
NOTE: *The scanner only supports SD and SDHC cards with a maximum capacity of 32GB.*

2. Connect the Power

· Connect the Type-C USB cable to the Type-C USB port on the scanner.

· Plug the larger USB end into a power adapter or your computer's USB port. Either option will supply power to the scanner.

· Press the power button on the scanner to turn it on. The Home Page will appear on the LCD screen, allowing you to select the operation you wish to perform. There are four icons for selection.
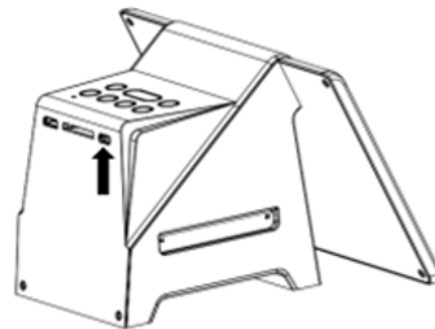
NOTE: *The Home Page is crucial for navigating the scanner's functions. After configuring your film settings, you can begin scanning directly from the Home Page by pressing the button again. This button will be frequently used throughout your scanning process.*

Home Page Icons and 🏠/P Button

The Home Page is crucial for operating the scanner. From the Home Page, you can enter the preview mode for scanning film by pressing the 🏠/P again after all film settings are configured. You will often use the 🏠/P during the scanner's operation.

· Film Icon

This icon leads to the main scanning function. Here, you can adjust all settings related to film scanning, such as selecting the type and size of film, or choosing to scan a 50x50mm transparent slide, or negatives for 135, 110, and 126 films. For detailed instructions, refer to "Operation of the Film Scanner: Settings for Film Scanning."

· USB Trident Icon

Use this icon to download image files from the SD card to your computer. For more details, see "Downloading Images from Card to Computer."

· Photo Gallery Icon

This icon allows you to review scanned images from the SD card on the LCD screen. You can also use this feature as a mini electronic photo frame on your desk. For more details, see "Playback and Delete Mode."

· Calendar Icon

Displays the current date and time. For more details see "Date and Time Setting"

OPERATING THE FILM SCANNER

SETTINGS FOR FILM SCANNING

1. Select the Film Icon

On the Home Page of the LCD screen, use the ☀/RGB buttons to navigate to the Film icon, then press the OK/[📷] button to confirm your selection.

2. Choose the Film Type

You will be taken to a new page where you can select the type of film you want to scan:

o 50x50mm Slide

o Color Negative

o B&W Negative

Use the ☀/RGB buttons to choose your film type, then press the OK/[📷] button to confirm your selection.

3. Select the Film Size

Next, you'll move to the page where you can select the size of your film:

o **135 Film:** 24x36mm picture area

o **110 Film:** 13x17mm picture area

o **126 Film:** 28x28mm picture area

Use the ☀/RGB buttons to choose the film size, then press the OK/[📷] button to confirm your selection.

PREVIEW AND SCAN

Once you've made your selections, a preview screen will appear on the LCD. Insert your film into the scanner using the film holder. The image from the film will display on the LCD screen, and you can now convert it to a digital image and save it to the SD card.

QUICK GUIDE TO PREVIEW MODE FOR SCANNING FILM

· **Returning to the Home Page**

Press the Home button at any time to return to the Home Page of the scanner.

· **Entering Preview Mode**

From the Home Page, press the Home button again to enter the preview mode for scanning film.

· **Switching Back to Home Page**

Press the Home button once more to return to the Home Page.

Preview Screen

Image Resolution

You can scan and store your images in two different resolutions on the SD card:

· 14 Megapixels

· 22 Megapixels (via interpolation)

To set the resolution, press the $\frac{R}{🗑}$ button while in Preview mode. The selected resolution will be displayed in the lower right-hand corner of the preview screen.

PLACE SLIDE / FILM INTO SCANNER

SCANNING 50X50MM TRANSPARENT (POSITIVE) SLIDES:

1. Prepare the Holder

Insert the Main Holder (Slide Holder) into the scanner, aligning the triangular marks on both the scanner and the holder. Push the holder all the way in.

2. Insert the Slide

Insert your slides one by one through the opening of the holder for image scanning, as shown in the diagram below. Align the slide based on the preview image displayed on the LCD screen.

3. Scan the Image

Once the slide is positioned correctly, press the OK/[📷] button to scan the image. The scanned image will automatically be saved to the SD card.

SCANNING 135/110 AND 126 NEGATIVE FILMS:

1. Prepare the Holder

Open the Main Holder and select the appropriate Film Adaptor for the type of film you want to scan.

2. Insert the Film Adaptor

Place the Film Adaptor into the Main Holder, ensuring that the four pins of the adaptor align with the four holes in the Main Holder. Press down until the adaptor lies flat.

3. Secure the Holder

Close the Main Holder until it locks into place with a click.

Insert 135 Slide
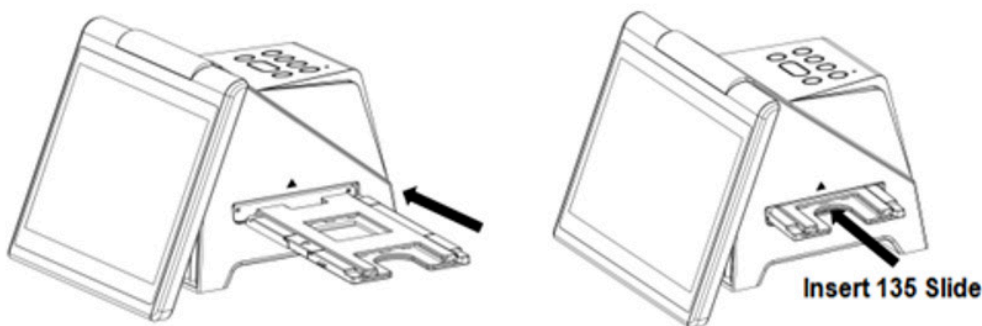
INSERTING AND SCANNING NEGATIVE FILM:

1. Insert the Holder:

Insert the Main Holder (with the selected Film Adaptor) into the scanner, following the same procedure described in step 1.

2. Insert the Film:

Slide your film strip into the holder from the right side. Align the film by referencing the preview image on the LCD screen.

3. Scan the Image:

Once the film is properly positioned, press the OK/[📷] button to scan. The scanned image will be automatically saved to the SD card.

NOTE: *Keep the glossy surface of the film facing upward.*

Insert Film

135 Slide Holder/Main Holder

135 Film Adaptor

126 Film Adaptor

110 Film Adaptor
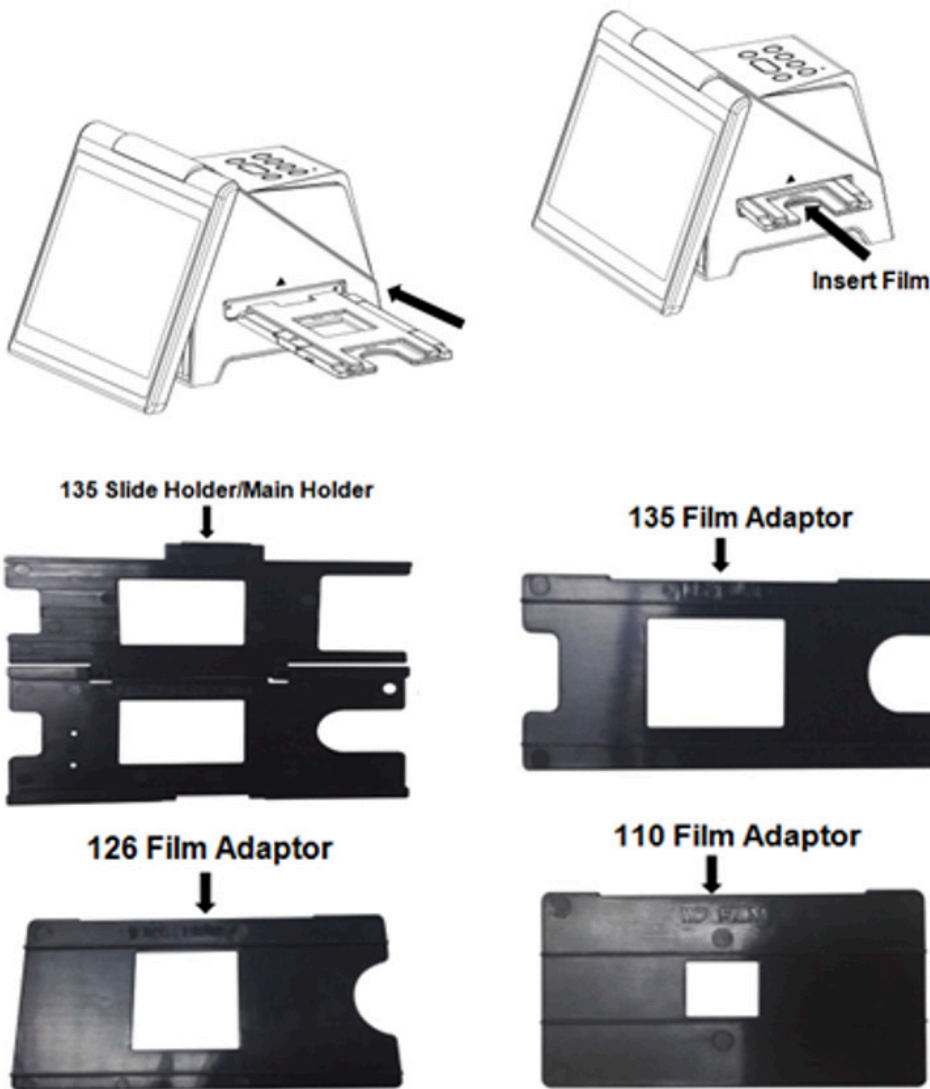
IMAGE BRIGHTNESS AND COLOR ADJUSTMENT

The brightness and color of the image are automatically preset. In most cases, no further adjustment is needed. However, some films may have faded in brightness and color, requiring manual adjustments. To make these adjustments, press the Brightness [☀] or RGB [RGB] Color Adjustment button. The corresponding icons will appear on the LCD screen for you to adjust.

BRIGHTNESS ADJUSTMENT   RGB COLOR ADJUSTMENT

BRIGHTNESS AND RGB COLOR ADJUSTMENT

1. **Selecting the Adjustment:** Press the Brightness [☀] or RGB [RGB] button, then press the Playback [▶] button to navigate to the color you want to adjust.

2. **Adjusting the Values:** Use the ☀ / RGB buttons to choose your desired adjustment level. Once you've made your selection, press the OK/[📷] button to confirm. The adjustment icons will disappear.

3. **Scanning the Adjusted Image:** After confirming your adjustments, press the OK/[📷] button again to scan the adjusted image.

4. **Resetting to Default:** If needed, you can reset the adjusted colors to their original default settings by selecting the reset icon [↩].

Important Notes:

· All settings for film scanning will reset to default when the scanner is powered off using the Power button or when unplugged from the USB cable.

· If the scanner remains powered on, your previous settings will be retained when you select the Brightness [☀] or RGB [RGB] button again in preview mode.

PLAYBACK AND DELETE MODE

PLAYBACK

In Scanner Preview Mode

· To review previously captured images, press the Playback [▶] button.

· Use the ☀ and RGB buttons to navigate through the images.

· Press the OK/[📷] button to view the selected image stored on the SD card.

· Press the Playback [▶] button again to activate Slide Show mode, where images will automatically display for 5 seconds per frame.

· To exit Slide Show mode and return to the Home Page of the scanner, press the OK/[📷] button.

From the Home Page

· You can also access the Playback mode by selecting the Photo Gallery icon from the Home Page. The operation in this mode is identical to the Playback mode described above.

Tip:

Using the scanner in Playback [Photo Gallery] mode is a great way to use it as a mini photo frame on your desk.

Important Note:

The scanner's Photo Gallery mode only displays images scanned by the scanner itself. Images from other devices, such as digital cameras or mobile phones, may not be compatible due to differences in file names or photo formats.

DELETE:

To Delete a Captured Image

· In Playback mode, select the image you wish to delete using the ✳◀ or ᴿᴳᴮ▶ buttons.

· Press the Delete [R 🗑] button once to delete the selected image.

· Press the Delete [R 🗑] button twice to delete all captured images.

· To cancel deletion, use the ✳◀ or ᴿᴳᴮ▶ buttons to select No and exit the Delete mode.

SD Card Formatting:

If your SD card [maximum 32GB] is not compatible with the scanner and cannot scan photos or film, formatting may be required.

To Format Your SD Card:

· Use a computer to format the SD card, selecting the FAT32 file system.

· **Warning:** *Formatting the SD card will erase all files on the card. Be sure to back up any important files to your computer before proceeding with the formatting.*

PREVIEWING AND REVIEWING THE IMAGES ON A TV

1. Connect the Cables:

· Plug the Type-C USB cable into the scanner.

· Connect the other end of the cable to your computer's USB port.

2. Power On:

· Turn on both your computer and the scanner.

3. Activate the USB Connection:

· From the Home Page on the scanner, use the ✳/ RGB buttons to select the USB Trident [⟵⟶] icon.

· Press the OK/[📷] button to activate the connection.

4. Usage:

· Once connected, you can use the scanner as a mass storage device or card reader, allowing you to download images directly to your computer.

Connection Success   **Connection Fail**

If the Connection Fails:

1. Check the SD Card:

o Ensure that the SD card is properly inserted into the card slot.

o If necessary, remove and reload the SD card, then try to connect again.

2. Try a Different USB Port:

o Attempt to connect the USB cable to a different port on your computer.

o A faulty USB port on your computer may cause the connection to fail.

DATE AND TIME SETTING

You can set the date and time in the image file before scanning an image. Please note that the date and time will not be printed on the scanned picture; they will only be stored in the electronic file of the image.

To Set the Date and Time:

1. Access the Calendar Setting:

    o From the Home Page of the scanner, use the ☀/◀ / RGB/▶ buttons to select the Calendar icon.

    o Press the OK/[📷] button to confirm your selection.

2. Adjust the Date and Time:

    o A date adjustment table will appear on the screen.

> 2021 / 01 / 01
>
> 00 : 03 : 39
>
> YY/MM/DD
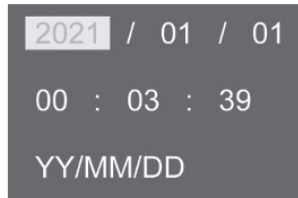
    o Press the Playback [▶] button to select the item (day, month, year, hour, minute) you wish to adjust.

    o Use the ☀/◀ / RGB/▶ buttons to increase or decrease the value.

    o Press the OK/[📷]button to confirm each setting.

3. Return to the Home Page:

    o After confirming your selections, press the OK/[📷] button to exit the adjustment table and return to the Home Page.

Purpose of Date and Time Setting:

Some users prefer to set the date on the image file to reflect when the photo was originally taken, if they can recall the approximate date.

SPECIFICATIONS

Image Sensor	1/3.06" 14 Mega CMOS Sensor,
Preview and Review	7" all angle Color LCD Display
Lens Specification	F=3.5, f=4mm, 7 Elements Glass Lens
Color Balance	Automatic
Exposure Control	Automatic & Manual adjustment
Support Film Size Auto Cropping	135 Negative & Slide (3:2) 110 Negative & Slide (4:3) 126 Negative & Slide (1:1)
Support Film Type Auto Converting	50x50mm Slide (135, 110 &126) Color Negative Film (135 ,110 & 126) Black & White Negative Film
Focusing	Fixed Focus
EV adjustment	Yes, + - 2.0 EV
RGB Color adjustment	Yes
PC Interface	USB 2.0
Image Format	135 Negative 3:2 Ratio 110 Negative 4:3 Ratio 126 Negative, 1:1 Ratio
Light Source	White LED Panel
Power Source	From computer USB port, 5V/1A Power adaptor / Power Bank
USB Connector	Type-C
TV Connection	HDMI
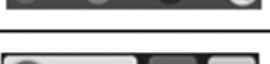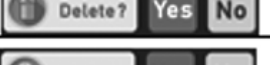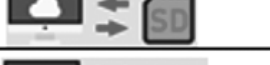
ICONS	FUNCTIONS AND INDICATIONS
	Scanning films
	Connect SD Card to Computer
	Reviewing scanned photos in the SD card
	Setting date and time
	For transparent film and 50X50mm slides
	For color negative film
	For black and white film
	For 135 film, 24X36mm picture size film
	For 110 film, 13X17mm picture size film
	For 126 film, 28X28mm picture size film
	Selected film type shown on preview :Transparent film
	Selected film type shown on preview : Color negative film
	Selected film type shown on preview : B&W negative film
	Selected film size shown on preview : 135 film
	Selected film size shown on preview : 110 film
	Selected film size shown on preview : 126 film
	Brightness setting : −2EV to +2EV
	Resolution setting : 14M or 22M

ICONS	FUNCTIONS AND INDICATIONS
	Capacity of card : Full=3GB+ , 3/4=2GB, 2/4=1GB, 1/4=0.5GB
	SD card malfunction: Not loaded, locked, or not compatible
	Reviewing picture from card: single picture
	Reviewing pictures from card: Slide show
	Brightness(EV) adjustment scale
	RGB color adjustment scale
	RGB color adjustment recover to default setting
	RGB color selection and reset
Delete? Yes No	Single image delete selection
Delete All? Yes No	All scanned images delete selection
	Indicate SD card and computer successfully connected
	Indicates computer connection fail
	Wait for scanned image to be stored into the SD card

PC System Requirements

· Pentium® P4 1.6GHz or equivalent AMD Athlon processor

· Free USB 2.0 port

· 512MB RAM

· 500MB free hard disk space

· 1024 x 768 pixel color monitor

· Windows® XP Service Pack II / Vista™ (32/64-bit), Windows 7, Windows 8, or Windows 10

Mac System Requirements

· PowerPC G5 or Intel Core Duo processor (recommended)

· Free USB 2.0 port

· 768MB RAM

· 500MB free hard disk space

· 1024 x 768 color monitor

· Mac OS X 10.5 and up

WARRANTY AND CUSTOMER SERVICE

This item from SharperImage.com includes a 1-year limited replacement warranty. If you have any questions not covered in this guide, please call our Customer Service department at 1 (877) 210-3449. Customer Service agents are available Monday through Friday, 9:00 a.m. to 6:00 p.m. ET.