



# ***SNaP-14MP***

14 Megapixels *Slide Negative and Photo*  
Digital Converter

**USER MANUAL**

**Version 1.00**

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## **Introduction**

Thank you for purchasing the Wolverine 14 Megapixels Slide, Negative and Photo (SNaP-14MP) Digital Converter. The Wolverine SNaP-14MP features a built-in color screen, internal memory and memory card reader to convert 35mm film and photos into digital images without a computer. Simply use appropriate photo guide and place photo onto glass window or load film into tray and insert it into SNaP-14MP. The Wolverine SNaP-14MP can be hooked up via USB port to Windows PCs (ME/XP/Vista/7) or Mac computer systems to offload saved digital images without installing any drivers or software (plug-and-play).

## **Before Using the SNaP-14MP Digital Converter**

This section provides important safety information that you should read before using your SNaP-14MP.

- Do not drop or handle too aggressively as it may cause damage to the device.
- Photos, Slides and Negatives media **MUST** use proper photo guide or be placed in their proper holder tray before converting. Inserting film without using proper film holder tray will result in loosing film inside the unit where removal is **NOT** covered under warranty and may **VOID** product **WARRANTY**.
- We strongly suggest using a clean, dry, non-alcohol lint free cloth to clean the glass surfaces to produce clear images. Improper cleaning procedures may damage components. Wolverine Data is not responsible for consequential damages and warranty will be void.
- Do not allow the device to come into contact with water or other liquids. In the event that water or other liquids enters the interior, immediately turn off the device. Continued use of the device may result in fire or electrical shock.
- Do not handle the device with wet hands. Doing so may cause electrical shock and damages to the unit.
- Do not place the device close to any equipment generating strong electromagnetic fields. Exposure to strong magnetic fields may cause malfunction or data corruption.

- Do not expose the device to extreme temperatures, humidity or vibrations, which may cause damage to the device.
- Do not open the outer casing. Under no circumstances should the user try to repair the device. Doing so may cause electrical shock and void the warranty. If the device is mishandled, Wolverine Data is not responsible for consequential damages, including loss of data.
- Wolverine Data has no obligation to repair, replace or issue refunds without a Return Merchandise Authorization (RMA) number and the original purchase receipt of the defective product.
- Repairs or replacement service will not be offered to Products that were misused, repaired without authorization, or by other reasons beyond the range of intended use.
- Products replacement may be either new or refurbished, provided that it has functionality at least equal to that of the product being replaced.
- Wolverine Data is not responsible for any data stored on the returned product, please backup any data prior to shipping the unit.
- All out of warranty repairs maybe subject to repair fee. Please contact Wolverine Data for current charges.

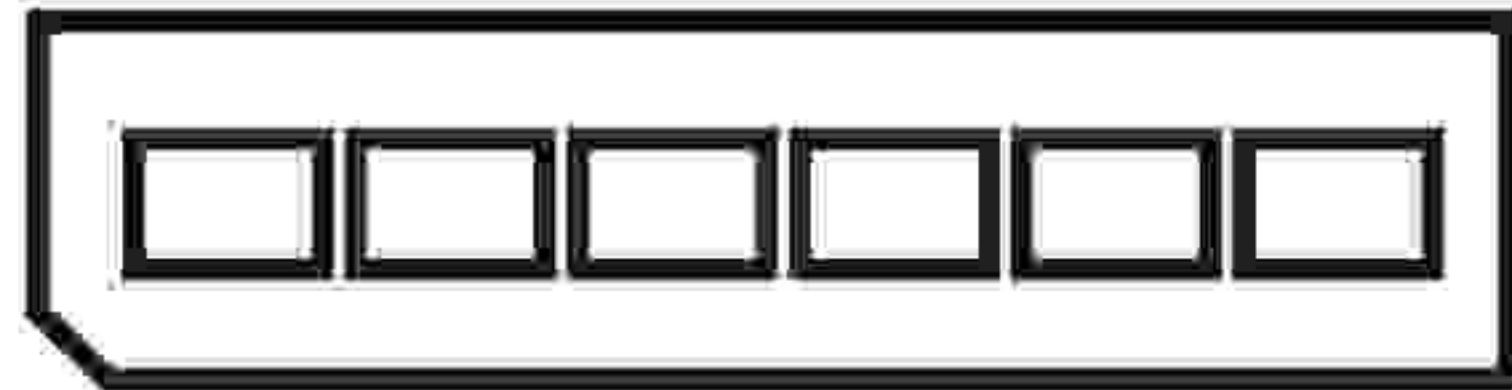
## **Having Difficulty Using This Product?**

Please try the following options:

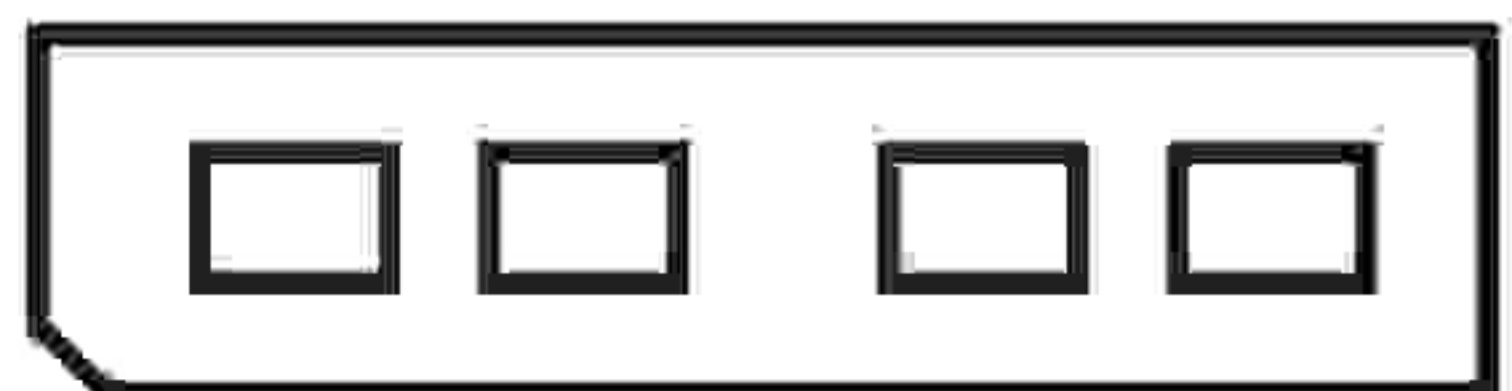
- Call us at 949-458-9888 M-F 9:00-5:00 Pacific Time
- Visit [www.wolverinedata.com/support](http://www.wolverinedata.com/support) to find the latest documentation and other help tips
- E-mail or write to our technical support staff at [support@wolverinedata.com](mailto:support@wolverinedata.com) or 9939 Muirlands Blvd. Irvine, CA 92618

## Contents Description

1. SNaP-14MP Digital Converter
2. 5" x 7" photo guide
3. 4" x 6" photo guide
4. 3" x 5" photo guide
5. Negative holder tray
6. Slide holder tray
7. USB Cable
8. Power Adapter
9. Felt cleaning brush
10. Cleaning cloth
11. User Manual
12. SD Memory Card - Optional




6. Slide holder tray



Please call us at 949-458-9888 or visit [www.wolverinedata.com](http://www.wolverinedata.com) to order extra or optional accessory parts.

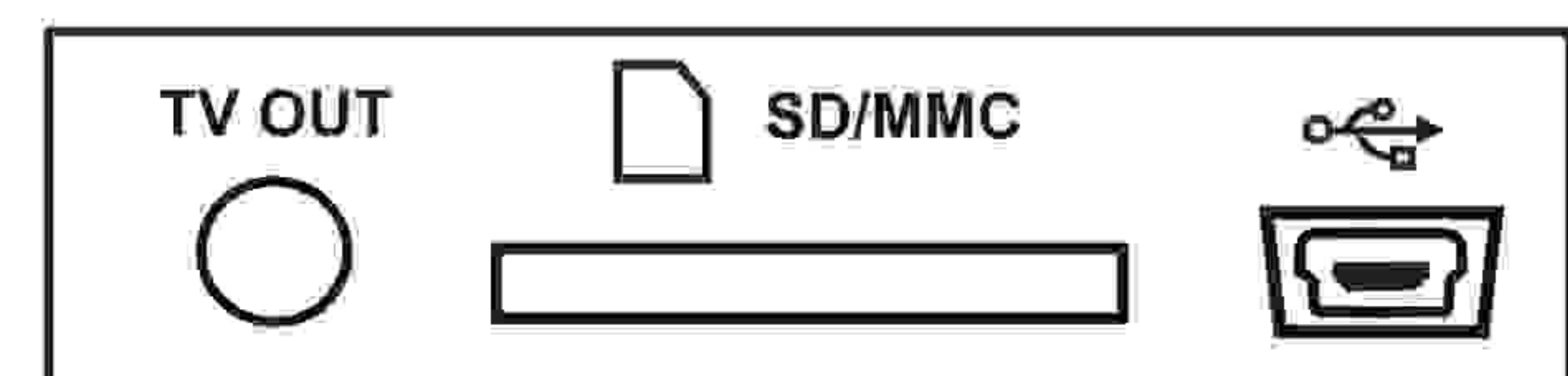
## Function of Keys

1. Power key: to turn power on or off. 
2. **LEFT** or **RIGHT** arrow keys: to change the menu on Viewer; to flip or mirror images in Capture mode.
3. **"OK"** key: to activate each menu and make selection.
4. **"MENU"** key: to go back home menu; to change mode.
5. **"CONVERT"** key: to convert film or photo into digital image

## Getting Started

### 1. Attach Power

Plug USB cable in to the included power adapter to a wall outlet or directly to a computer USB port.



### 2. Use Built-in Memory

SNaP-14MP includes a built-in memory that can store approximately 8-12 digital images. A reminding icon "No card" will flash on Viewer.

### 3. Use Optional SD/SDHC Memory Card

1. Make sure SD/SDHC card is unlock (white tab upward).
2. Ensure SD/SDHC card is oriented with gold finger facing down.
3. Insert SD/SDHC card and push inward until it *clicks*. It is recommended to push in and eject the memory card a few times to ensure the card is engaged properly.
4. Always insert SD/SDHC card *before* you power on SNaP-14MP unit. To remove SD/SDHC card, *EJECT (push in then release)* instead of pulling it out. SNaP-14MP will shut itself off if you remove or disengage SD/SDHC card.
5. Always power SNaP-14MP off before remove memory card.

#### Note:

- SNaP-14MP is compatible with any capacity SD or SDHC type of memory cards.
- Improper insertion or removal of memory cards may damage the card reader or the memory card, which neither is covered under warranty.

### 4. Turn SNaP-14MP On/Off

Press power button.

### 5. Menus displayed in Photo mode

- **Photo Size** - To set photo size in 5X7, or 4X6, 3X5, Business card
- **Effect** - To set color effect to Multicolor (default) or B&W (black and white)
- **Format** - To delete images on internal memory or memory card
- **Capture** - To start photo converting mode
- **Playback** - To review the converted images
- **USB MSDC** - To upload converted files to a computer
- **Language** - To set menu in different languages

### 6. Convert Photo to images

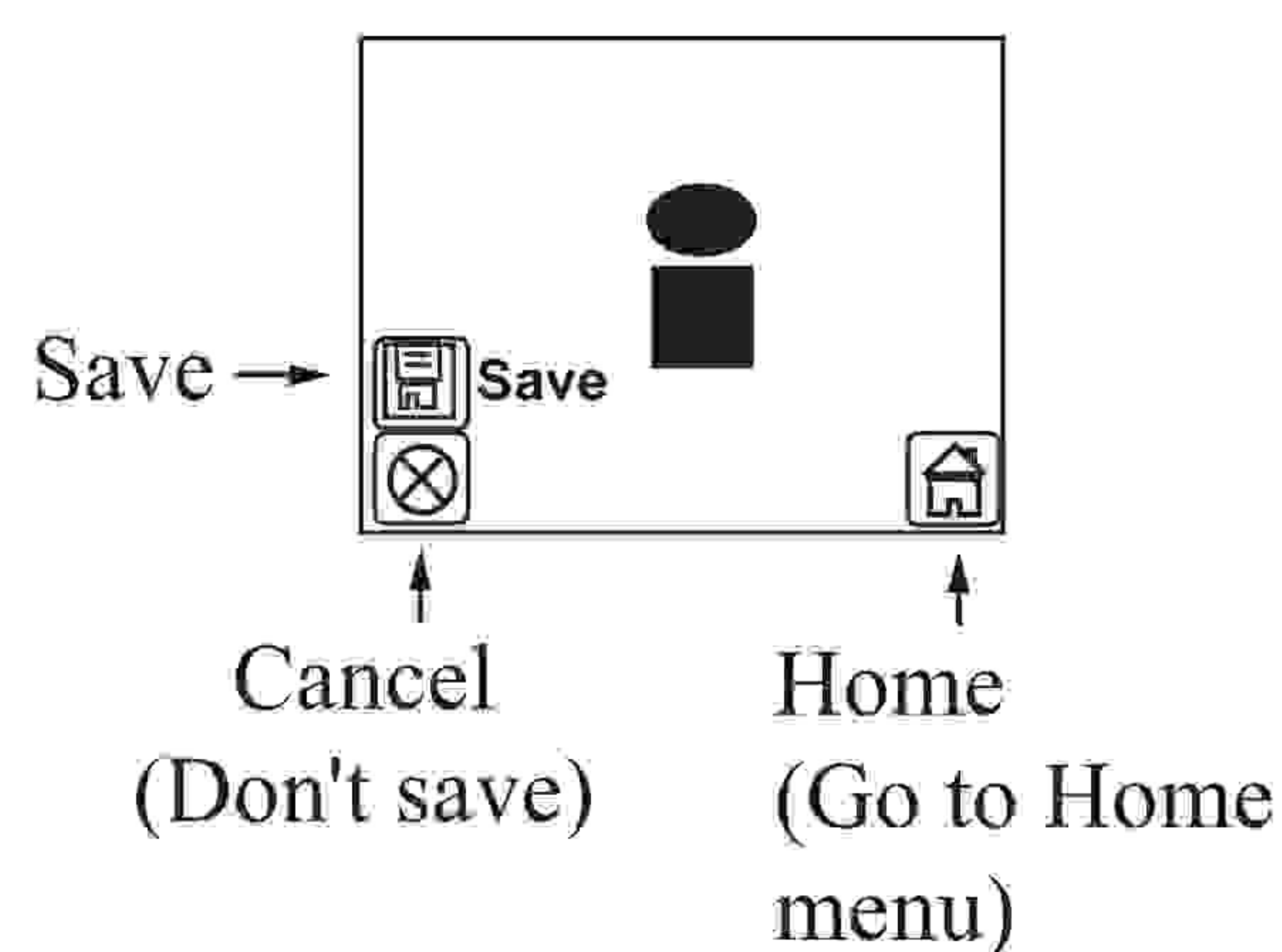
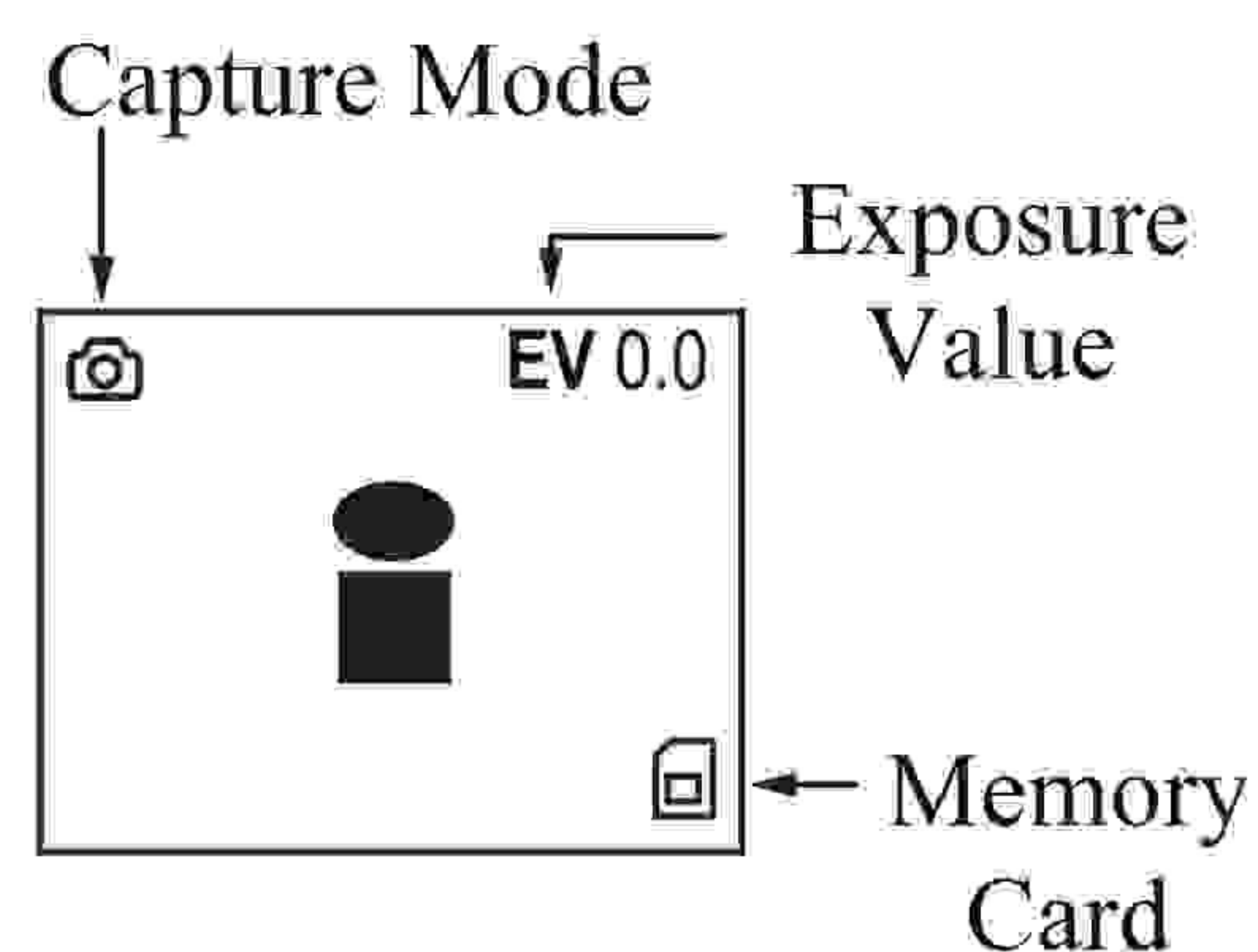
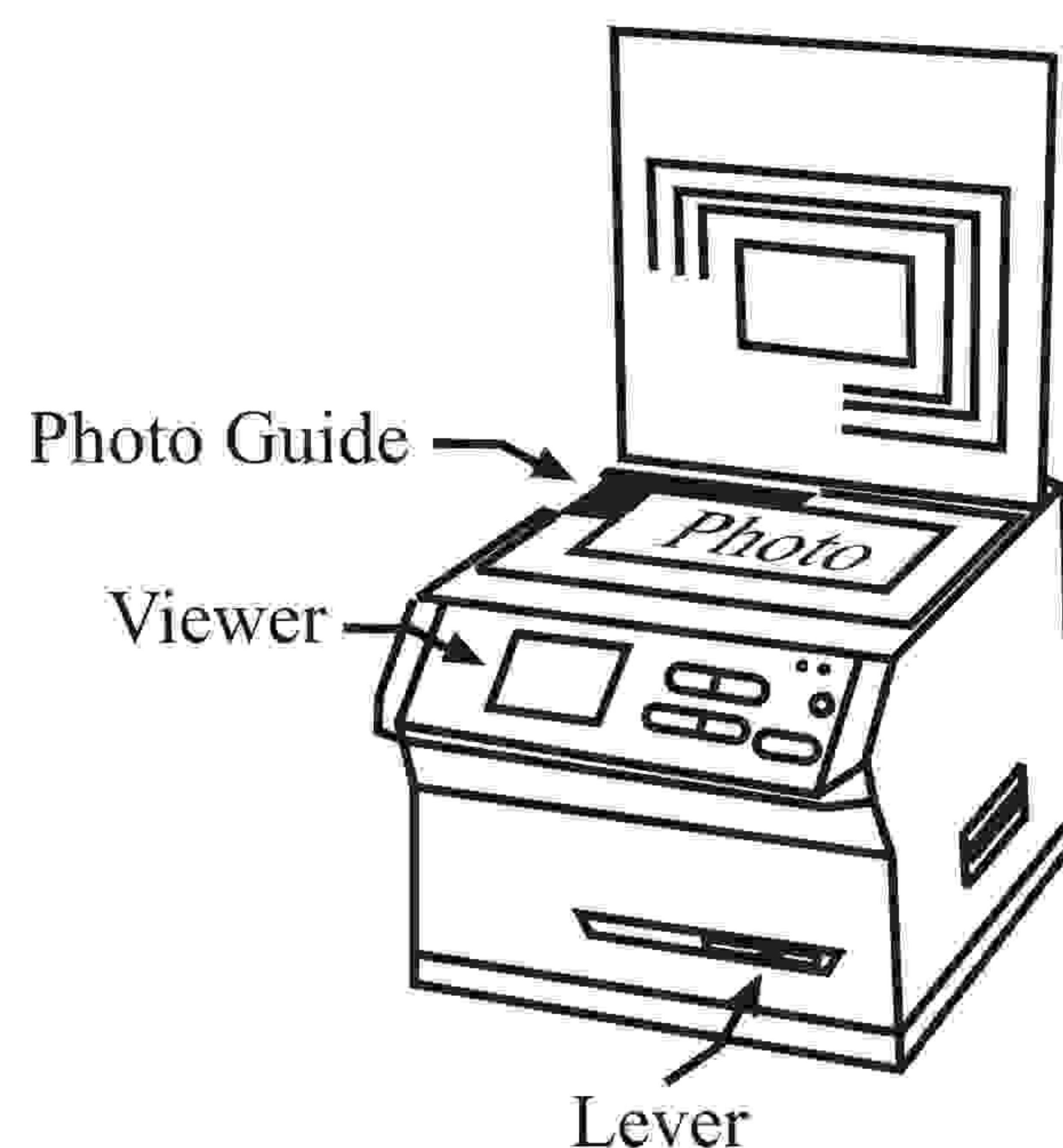
Move lever to "**Photo**" and the "Photo" LED will lit up. Start to prepare photo. It is recommended to use lint free cloth or compressed air (not included) to remove any dust on photo.

## Steps to Convert Photo to Digital Images:

1. Move lever to "Photo".
2. Press "OK" key.
3. Press **ARROW** keys to select Photo size then press "OK" key to confirm.
4. Open lid and place appropriate size **Photo Guide** at upper left notch. Clean dust on the photo and the glass. Place photo (facing down) against **Photo Guide** then close the lid.

**Warning:** Place non-standard size photo may have black areas on image.

5. If **EV** (Exposure Value/brightness) adjustment is needed, press "OK" key. Then press **LEFT** or **RIGHT** arrow key to alter EV value. Press "OK" key to confirm.
6. If orientation editing is needed, Press **LEFT Arrow** key to mirror the image left to right; press **RIGHT Arrow** key to flip the image upside down.
7. Press "**CONVERT**" key to digitize the photo.
8. Press "OK" key to **save** the converted image to memory.
9. Open the lid to replace photo and repeat step 5 to 9.
10. If you need to change the photo size, press "**MENU**" key and repeat step 3 to 9.



### Note:

If "**FULL**" icon is shown on Viewer means the memory is full. Press "**MENU**" key to clear "FULL" icon and upload images to a computer.

## 7. Menus displayed in Film mode

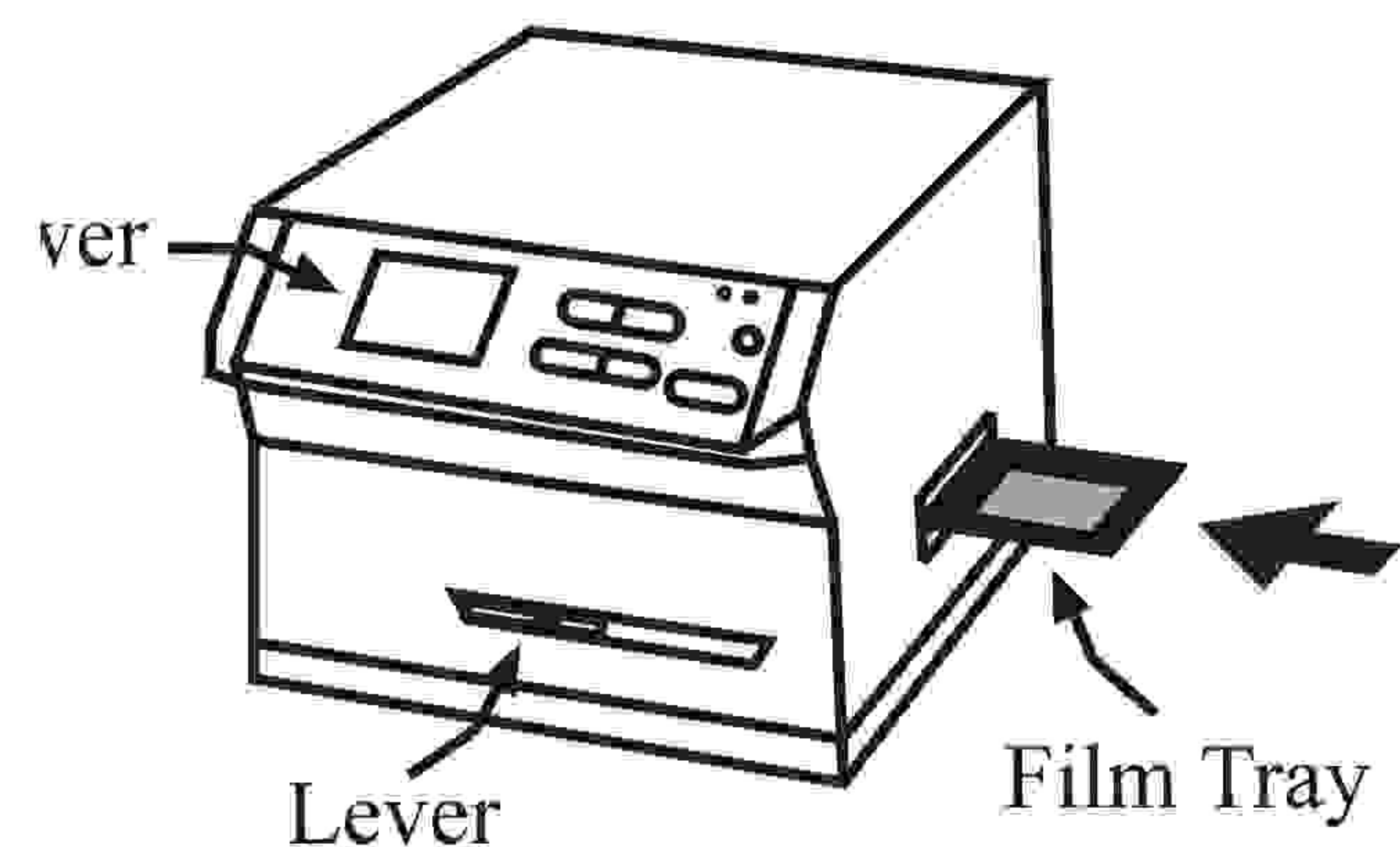
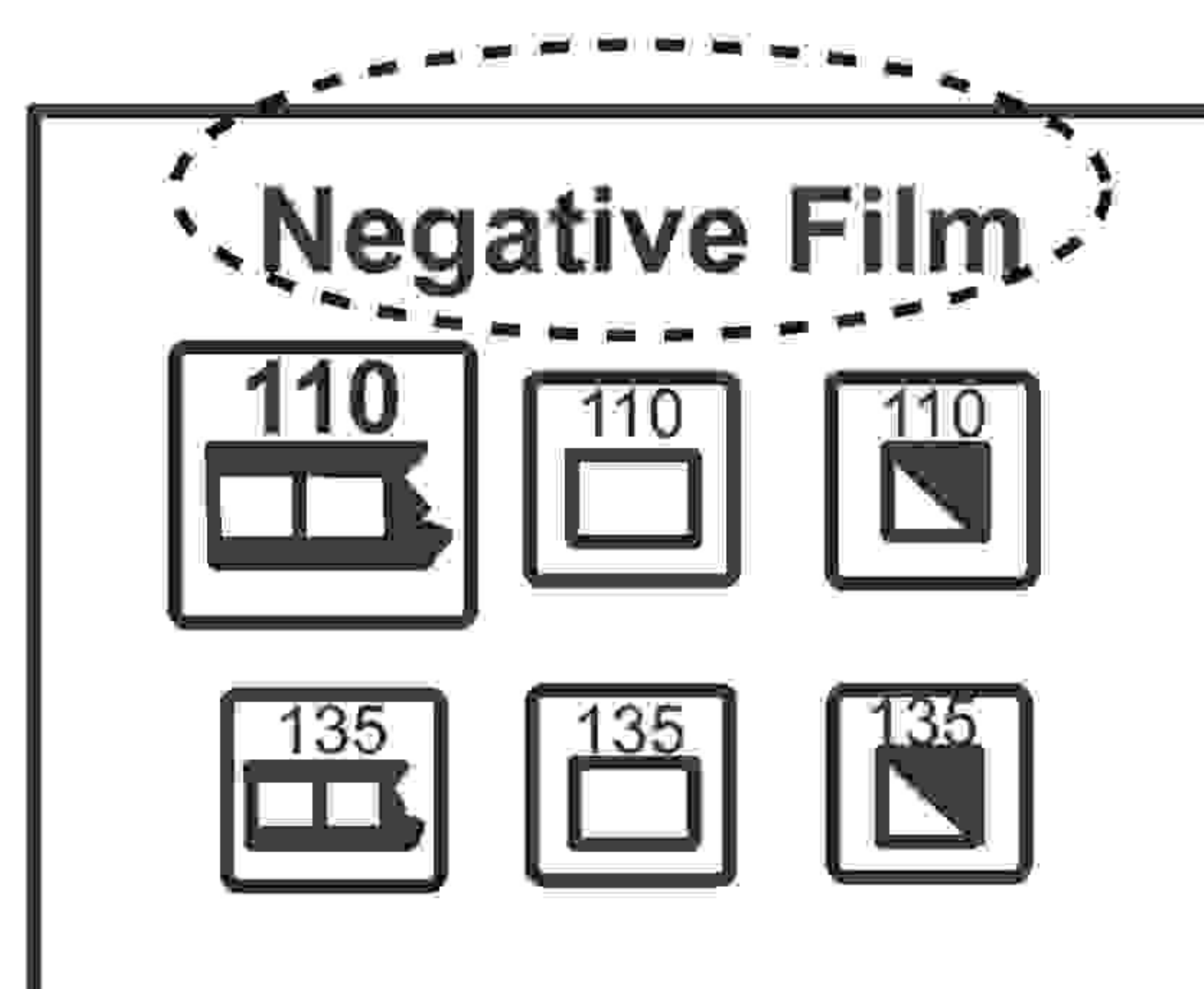
- **Film Type** - To select film type, Negative, Slide, or B&W (black and white)
- **Format** - To delete images on internal memory or memory card
- **Capture** - To start film converting mode
- **Playback** - To review the converted images
- **USB MSDC** - To upload converted files to a computer
- **Language** - To set menu in different languages

## 8. Convert Film to images

Move lever to "**Film**" and the "Film" LED will lit up. Start to prepare Film. It is recommended to use lint free cloth or compressed air (not included) to remove any dust on film.

### Steps to Convert Film to Digital Images:

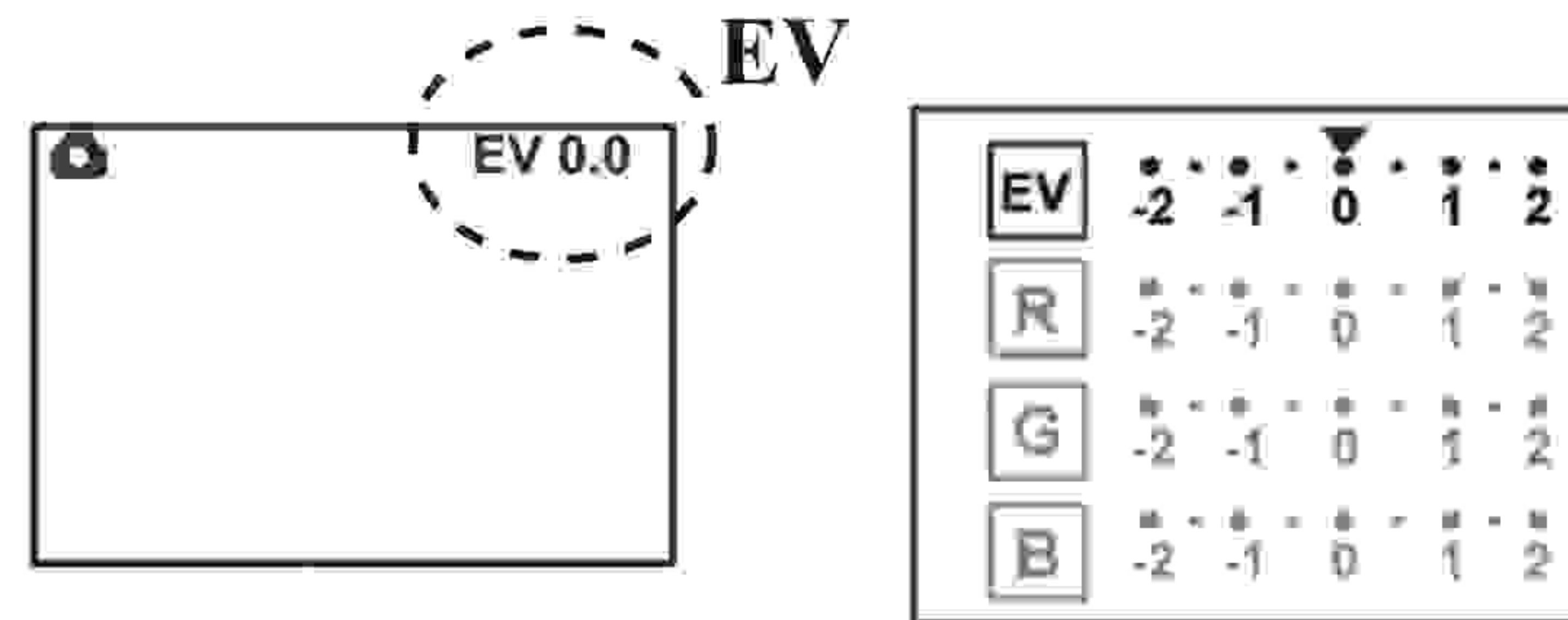
1. Move lever to "**Film**". 2. Press "**OK**" key.
3. Press **ARROW** keys to select between **110** Film or the standard **35mm** Film (135). Press "**OK**" to confirm.



4. Select appropriate **Film Holder Tray**. Before place film into tray, clean dust on the film. Place film (shiny side facing up) into tray. Insert the tray from **RIGHT** side slot and push **left**. Inserting or pushing tray from left side opening may damage the unit. Ensure the "Film Type" setting is correct or you will see x-ray-like image on the Viewer.  
**Warning:** Place non-standard size film in tray may cause losing film inside the SNaP-14MP housing or black areas on image.
5. If **EV**(Exposure Value/brightness) and **Color** (**Red/Green/Blue**) adjustment is needed, press "**OK**" key. Use **LEFT** or **RIGHT** arrow keys to reduce or increase each value then press "**OK**" (see pictures on next page).
6. If orientation editing is needed, Press **LEFT** arrow key to **mirror** the



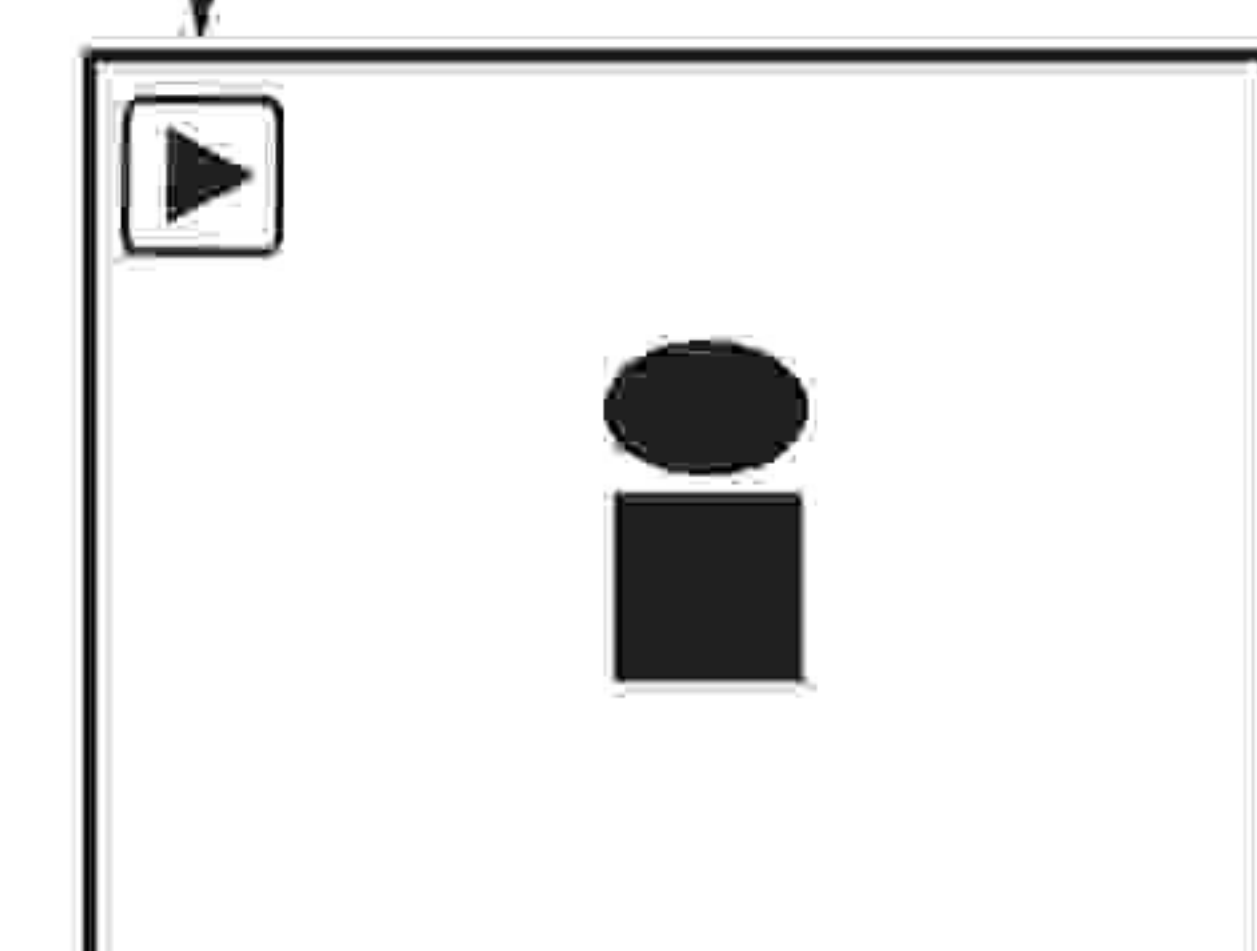
- image left to right; press **RIGHT** arrow key to **flip** the image upside down.
- Press "**CONVERT**" key to digitize the film.
  - Press "**OK**" key to save the converted image to memory.
  - Push tray to left for fresh film, repeat step 4 to 9.
  - If you need to change the film type, press "MENU" and repeat step 3 to 9.



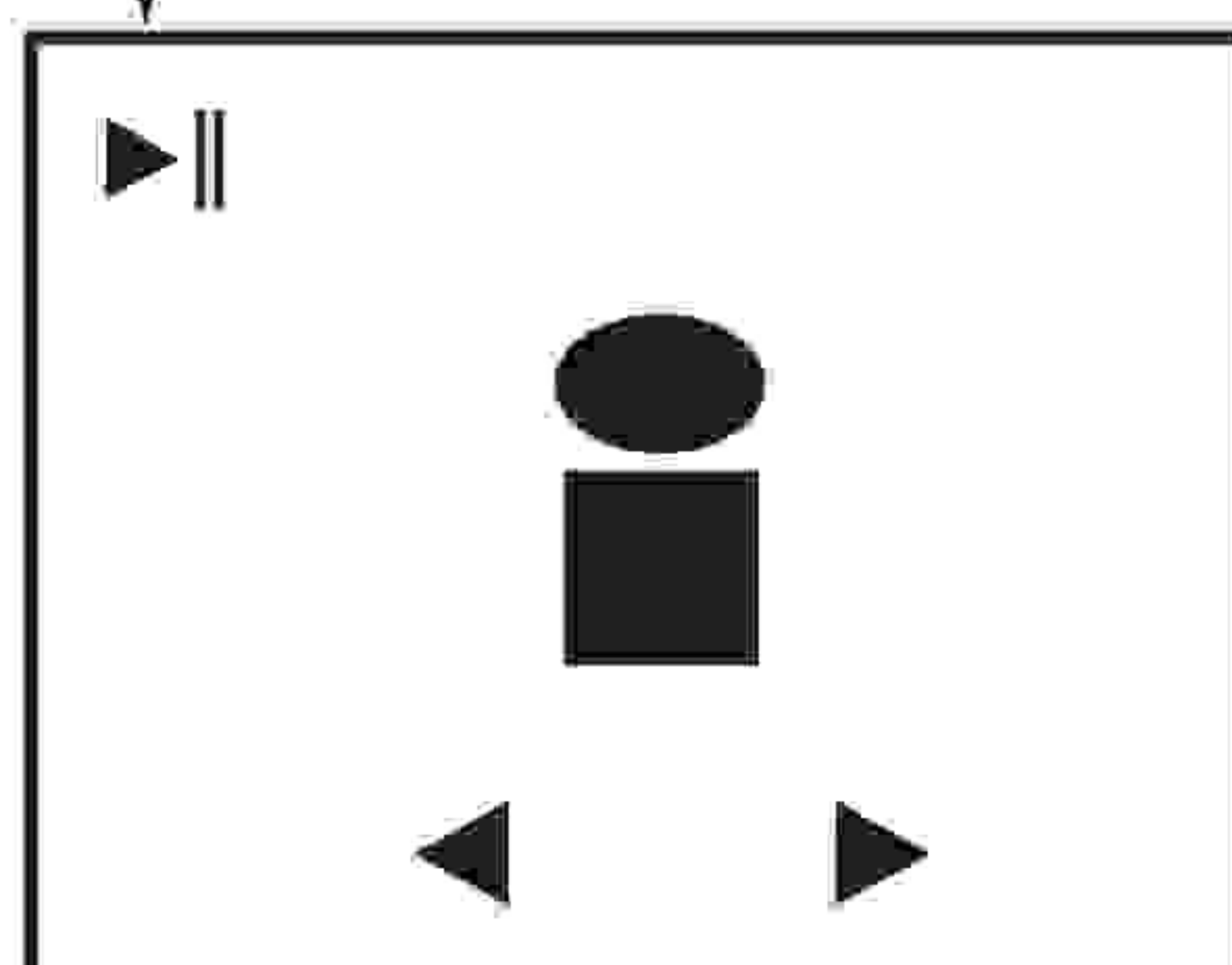
### 9. Playback and Edit Images

- Press "MENU", **RIGHT** arrow to select Playback mode, press "**OK**" key to confirm images playback on Viewer.
- Press "**OK**" key to pause slide show .
- Press "**OK**" key again to go to **Edit** menu. Or use **Arrow** key to advance image forward or backward manually then press "**OK**" key to go to **Edit** menu.
- Use **Arrow** key to highlight Edit icons then press "**OK**" key.

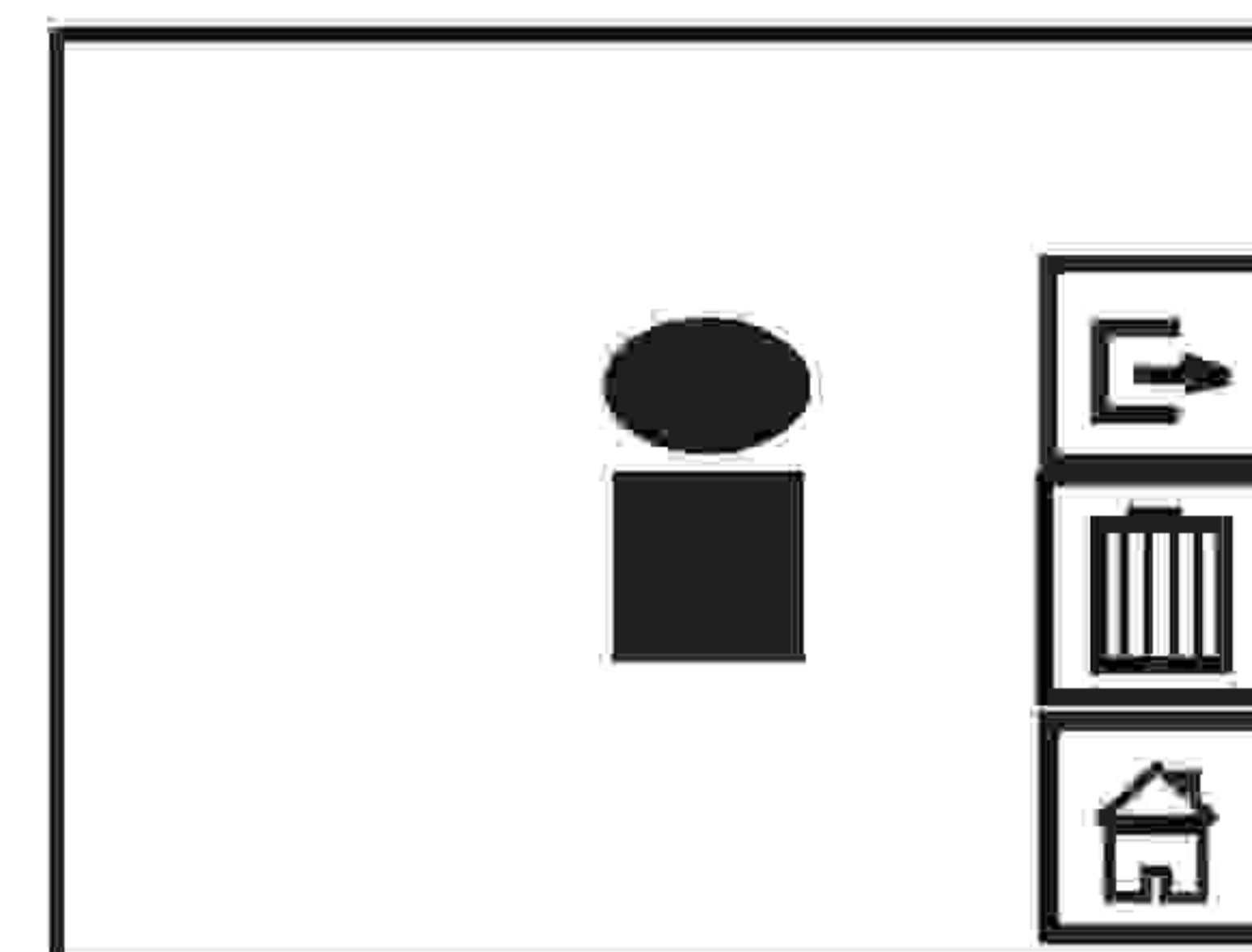
Playback Mode



Playback in Pause



Playback/Edit Menu



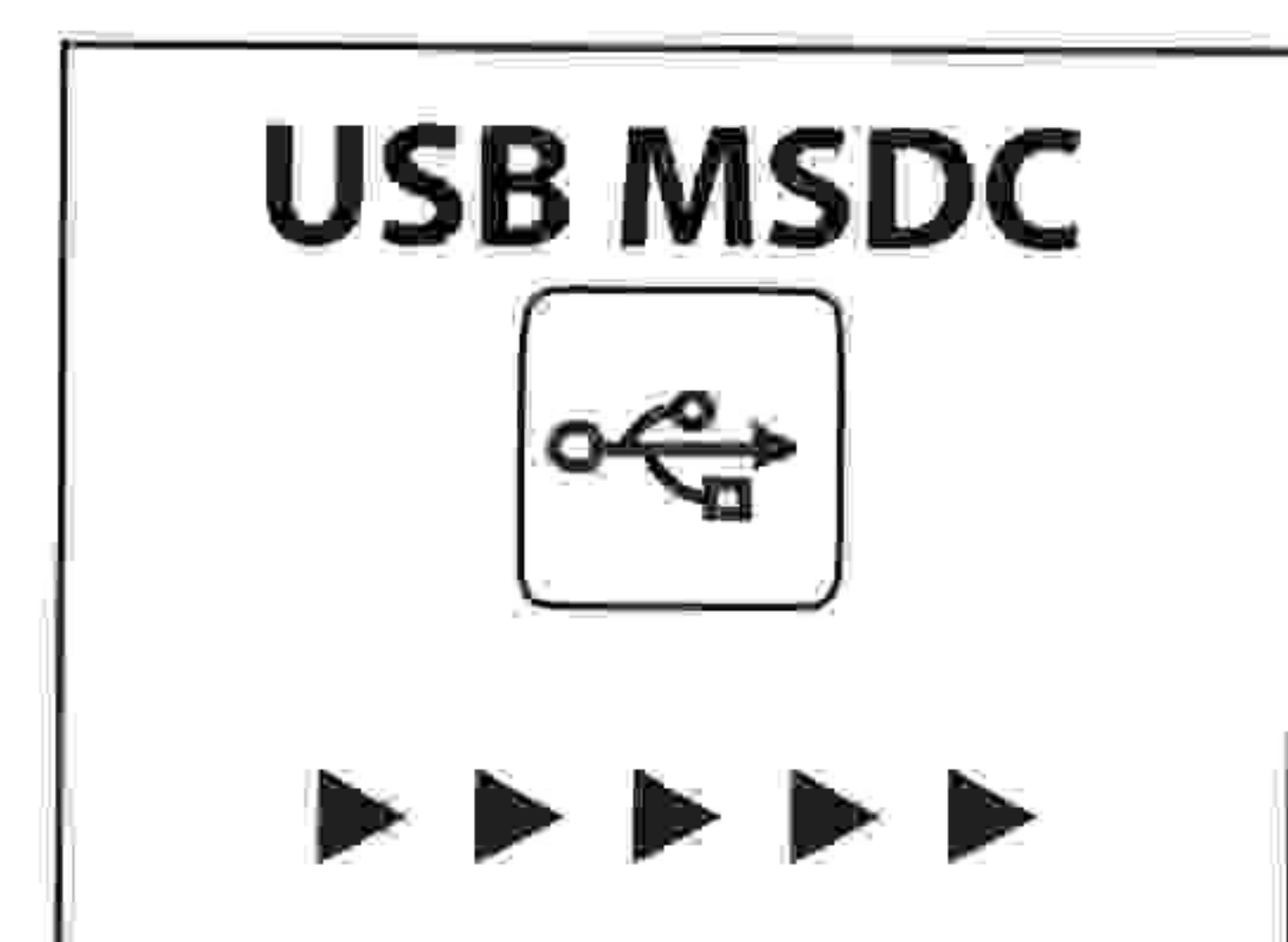
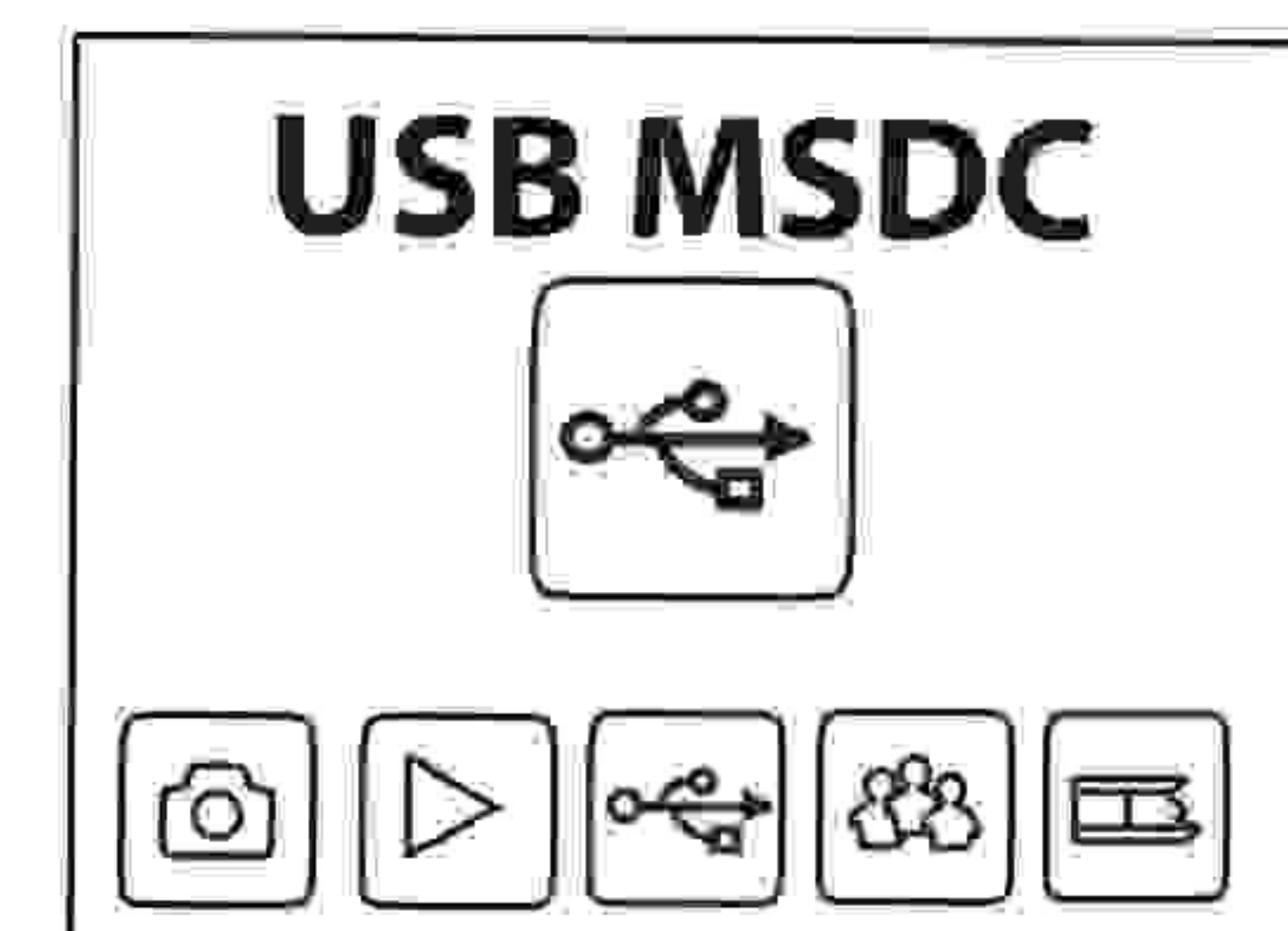
← Resume Playback

← Delete

← Go to Home Menu

### 10. Connect SNaP-14MP to Computer for Uploading Images

- Plug in USB cable to the SNaP-14MP and a USB port on the computer.
- Insert SD card if not using internal memory.
- Turn SNaP-14MP on.
- Use **ARROW** key to select "USB MSDC" mode.
- Press "**OK**" key to confirm.



### **11. Upload Images to Windows (ME/XP/Vista/7) PC**

Once the USB mode is activated, your computer will recognize SNaP-14MP internal memory, or SD card, as a **Removable Drive**. Follow the computer Autoplay options to copy the images to a folder or access the Removable Drive from under “My Computer” or “Computer” icon. Copy and paste or drag and drop image files to a location on your computer’s hard drive. Images on the SNaP-14MP are saved under the folder **DCIM/100COACH** with sequential alpha numerical file names of PICT0001.JPG, PICT0002.JPG, PICT0003.JPG etc.

### **12. Upload Images to an Apple Computer**

Once the USB mode is activated, the SNaP-14MP internal memory or SD card will show up as a new Drive on the Desktop or defaults to importing images into iPhoto.

### **13. Delete Images from the Internal Memory or the SD Card for a PC**

Access the Removable Drive from under “My Computer” or “Computer” and delete individual images from the folder **DCIM/100COACH** or delete the DCIM folder to delete all images at once. Drag and drop the DCIM folder in Recycle Bin. Reformatting the Removable Drive is another option that can be used to empty the entire content of the internal memory or SD card. Also you can use "Format" function in SNaP-14MP to format internal memory or your inserted memory card.

### **14. Delete Images from the internal memory or the SD card for an Apple Macintosh Computer**

Double click on the Removable Drive on the Desktop to access SNaP-14MP. To delete individual images by drag-and-drop images from **DCIM/100COACH** folder to the Trash Bin or to delete all contents by drag and drop the DCIM folder into the Trash Bin.

### **Connect to a TV set**

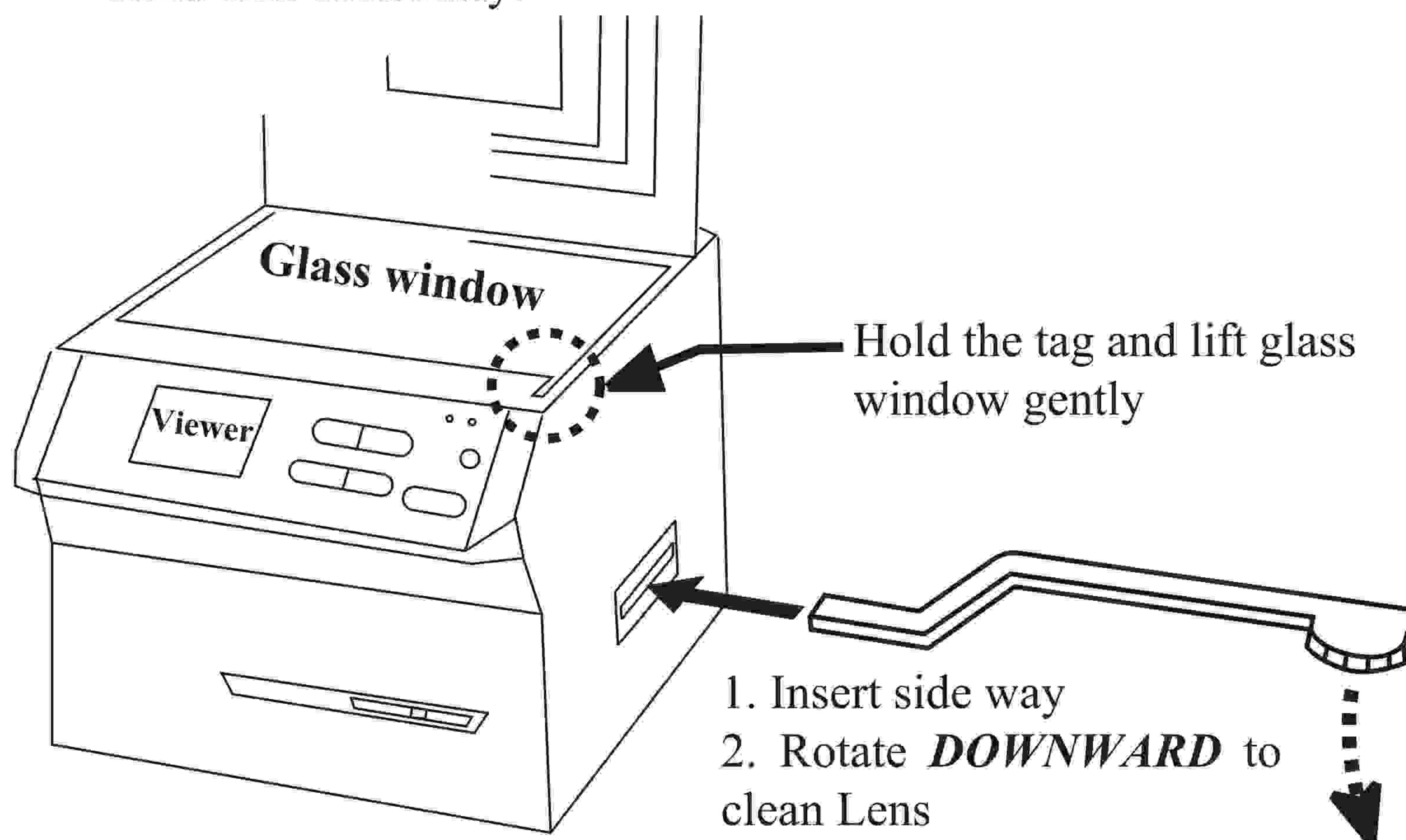
You can browse images on a TV set.

1. Turn on SNaP-14MP and TV.
2. Set TV input to AV mode. Connect SNaP-14MP/TV-out port to TV/Video-in port (yellow) with an optional TV-out cable.
3. All menus and images will appear on the TV screen instead and the Viewer become bark.

## Wipe Dust off Lens or Backlight

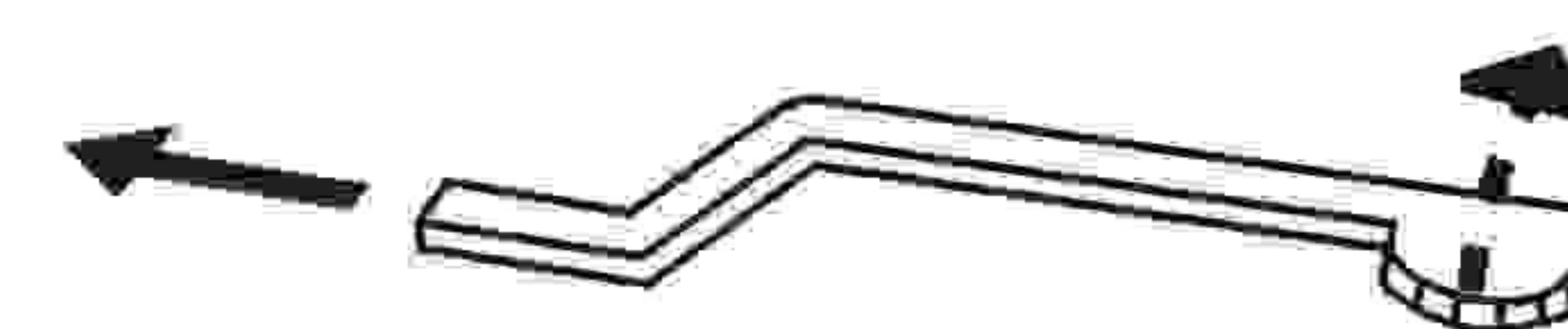
- Wipe dust off **Lens**:

1. Push Lever to "**Photo**". Select photo size, press "**OK**".
2. Insert included felt cleaning brush side way slowly from *right* side film tray slot until you see the tip from glass window. Rotate brush handle **DOWNWARD** until the dust spot on Viewer disappeared. Turn brush to the side way and remove it gently.
3. *Or* hold the tag and gently lift glass window, use lint free cloth to clean lens cautiously.



- Wipe dust off **Backlight**:

1. Push Lever to "**Film**", select "**Slide**", press "**OK**".
2. Insert included felt cleaning brush side way from **right** side film tray slot slowly until you see the tip from Viewer. Rotate handle **UPWARD slightly** and swipe it up and down gently until the dust spot on the viewer disappeared.
3. Turn brush side way and remove it gently.



1. Insert side way.
2. Rotate handle **UPWARD gently** and swipe it up and down gently.

## **Technical Support**

For technical support, warranty service, or repair service, please contact Wolverine Data at Support@wolverinedata.com or call 949-458-9888 M-F 9:00 - 5:00 at Pacific Time

## **Specifications**

Lens: 2G3P F/NO=3.98 f=5.22 Film Range:51.5mm  
F/NO=3.4 f=5.12 Photo Range:170mm

Sensor: 14 mega pixels CMOS sensor

LCD: 2.4" LTPS LCD Display

External memory: SD/MMC card

Exposure: Auto

Color balance: Auto

Data conversion: 12 bits per color channel

Convert method: Single pass

Light source: Photo/4 white LED; Film/backlight (3 white LED)

LED lifetime on/off: 10,000 times

Power: Powered from computer USB port or/5V adapter wall outlet

Interface: USB 2.0

Dimension: 295 x 230 x 191 mm

Weight: 1,810 g

## **Caution**

This device complies with part 15 of the FCC Rules.

Changes of modifications not expressly approved by Wolverine Data could void the user 's authority to operate the equipment.

## **One-Year Limited Warranty (United States Only)**

Wolverine Data manufactures its hardware products from parts and components that are new or equivalent to new in accordance with industry-standard practices. Wolverine Data warrants that the hardware products it manufactures will be free from defects in materials and workmanship. The limited warranty term is one year beginning on the date of invoice, as further described in the following text.

Damage due to shipping the product to you is covered under this limited warranty. Otherwise, this limited warranty does not cover damage due to external causes, including accident, abuse, misuse, problems with electrical power, servicing not authorized by Wolverine Data, usage not in accordance with product instructions, failure to perform required preventive maintenance, and problems caused by use of parts and components not supplied by Wolverine Data.

The warranty extends only to the first consumer purchaser, and is not transferable. This limited warranty does not cover any items that are in one or more of the following categories: software; external devices (except as specifically noted); accessories or parts added to a Wolverine Data system after the system is shipped from Wolverine Data or its resellers; accessories or parts that are not installed in the Wolverine Data factory.

During the one-year period, beginning on the invoice date, Wolverine Data will repair or replace products returned to Wolverine Data's facility.

To request limited warranty service, you must contact Wolverine Data's Technical Support Services within the limited warranty period. Refer to the section titled TECHNICAL SUPPORT to find the appropriate telephone number for obtaining customer assistance. If limited warranty service is required, Wolverine Data will issue a RMA (Return Material Authorization) Number. You must ship the products back to Wolverine Data in their original or equivalent packaging, prepay shipping charges, and insure the shipment or accept the risk of loss or damage during shipment. Wolverine Data will ship the repaired or replacement products to you freight prepaid if you use an address in the continental United States, where applicable. Shipments to other locations will be made freight collect.

To obtain service, you must include: (a) a copy of your receipt or other comparable proof of purchase; (b) a written description of the problem; (c) your address and telephone number; (d) Write the RMA number on the outside shipping packaging.

NOTE: Wolverine Data uses new and reconditioned parts made by various manufacturers in performing limited warranty repairs and building replacement products. If Wolverine Data repairs or replaces a product, its limited warranty term is not extended.

## **Warranty Exclusions**

**Normal Wear and Tear.** Periodic maintenance, repair and replacement of parts due to normal wear and tear are excluded from coverage.

**Abuse and Misuse.** Defects or damage that result from: (a) improper operation, storage, misuse or abuse, accident or neglect, such as physical damage (cracks, scratches, etc.) to the surface of the product resulting from misuse; (b) contact with liquid, water, rain, extreme humidity or heavy perspiration, sand, dirt or the like, extreme heat, or food; (c) use of the products or accessories for commercial purposes or subjecting the product or accessory to abnormal usage or conditions; or (d) other acts which are not the fault of Wolverine Data, are excluded from coverage.

**Use of None SNaP-14MP Converter accessories.** Defects or damage that results from the use of None SNaP-14MP Converter accessories or other peripheral equipment are excluded from coverage.

**Unauthorized Service or Modification.** Defects or damages resulting from service, testing, adjustment, instillation, maintenance, alteration, or modification in any way by someone other than Wolverine Data are excluded from coverage.

**Altered Products.** Product or accessories with (a) serial numbers or date tags that have been removed, altered or obliterated; (b) broken seals or that show evidence of tampering; (c) mismatched board serial numbers; or (d) nonconforming or non-Wolverine Data parts or accessories, are excluded from coverage.

## **Other Limitations**

Any implied warranties, including without limitation the implied warranties of merchantability and fitness for a particular purpose, shall be limited to the duration of this limited warranty, otherwise the repair, replacement or refund as provided under this express limited warranty is the exclusive remedy of the consumer, and is provided in lieu of all other warranties, express or implied. In no event shall wolverine data be liable, whether in contract or tort (including negligence) for damages in excess of the purchase price of the product, accessory or software, or for any indirect, incidental, special or consequential damages of any kind, or loss of revenue or profits, loss of business, loss of information or data, software or application with the ability or inability to use the product, accessories or software to the full extent these damages may be disclaimed by law. Some states (or jurisdictions) do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you.

# Thank you for choosing Wolverine!

## Having difficulty using this product?

Please try the following options:

- Call us at **949-458-9888** M-F 9:00-5:00 Pacific Time
- E-mail our technical support staff at **support@wolverinedata.com**

## Quick Start

1. Attach power chord (pg 3).
2. Insert optional SD/SDHC memory card (pg 4).
3. Turn SNaP-14MP Digital Converter on (pg 4).
4. Convert photos: (pg 4, 5)
  1. Move lever to "**Photo**", press "**OK**".
  2. Press **ARROW** keys to select photo size, press "**OK**".
  3. Open top lid, place proper **Photo Guide**.
  4. Place photo against Photo Guide, close lid.
  5. Edit brightness or orientation - **Optional** step (pg 5).
  6. Press "**CONVERT**".
  7. Press "**OK**" to save image
  8. Open lid, replace photo, repeat step 4 to 8.
5. Convert film: (pg 6)
  1. Move lever to "**Film**", press "**OK**".
  2. Press **ARROW** keys to select film type, press "**OK**".
  3. Place film into proper tray; insert tray into **right** side slot.
  4. Edit brightness or orientation - **Optional** step (pg 6).
  5. Press "**CONVERT**".
  6. Press "**OK**" to save image
  7. Push film tray to **left** for new picture and repeat step 4 to 7.