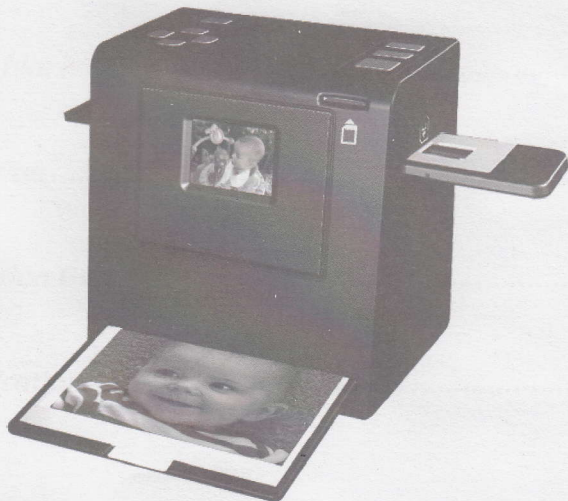


Combo Scan II

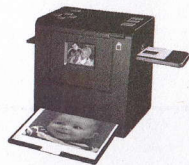


Combo Scan II 5M 2.4
User Manual

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I. Unpack Combo Scan II.....	2
II. Install film into the film holder.....	3
III. Quick Start.....	6
IV. Operation Guide.....	14
V. Specifications.....	33

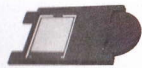
I. Unpack Combo Scan II



Combo Scan II



Slide Film Holder



Backlight Holder



Business Card Fixture



Negative Film Holder



Photo/Business Card Holder



USB/Video Cable



Power Core & Cable



Clean Brush



User Manual

Note

We strongly suggest using a clean, dry, non-alcohol cotton swab to clean the glass surface on the back-light holder and the business card fixture periodically to produce a clear image.

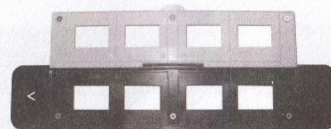
Make sure all negative films, slide films, cover trays and photos are free of dust and dirt before inserting into the Combo Scanner as this may affect the image quality when scanning.

When cleaning films, please use a professionally recommended purger from a photo store to avoid damaging old or precious films.

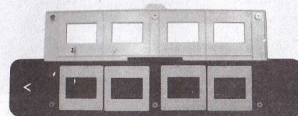
II. Install film into the film holder

● Install slide film into the holder entitled "Slides Only"

1. Open the slide holder as illustrated



2. Place slide in recessed slot in holder

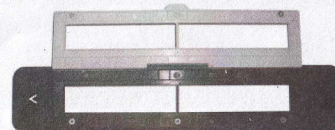


3. Close the slide holder

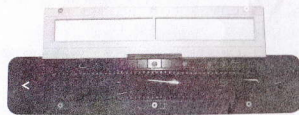


● Install Negative Film into holder entitled "Negative Film Only"

1. Open the film holder as illustrated



2. Install film into negative film slot

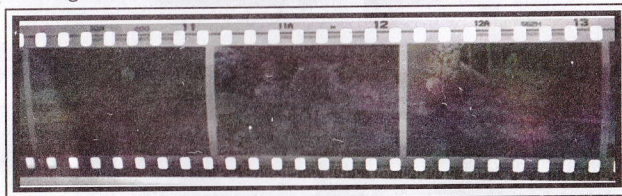


3. Close the film holder



Note

- ✧ To avoid mirror image, follow the serial numbers (from left to right) on top of film when install negative film into holder

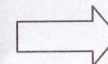
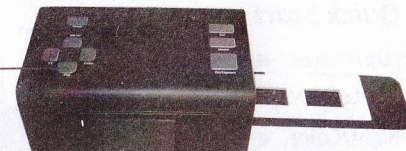


- ✧ If the image is upside down [Figure 2.2], the image can be corrected by pressing Down/Flip button before capturing [Figure 2.3]. Alternative, enter the playback mode and press Mode button to select Flip function [Figure 2.4]



Figure 2.2

Down/Flip button
(Flip hard key)



Flip



- Press hard key on top of device in live view [Figure 2.3]

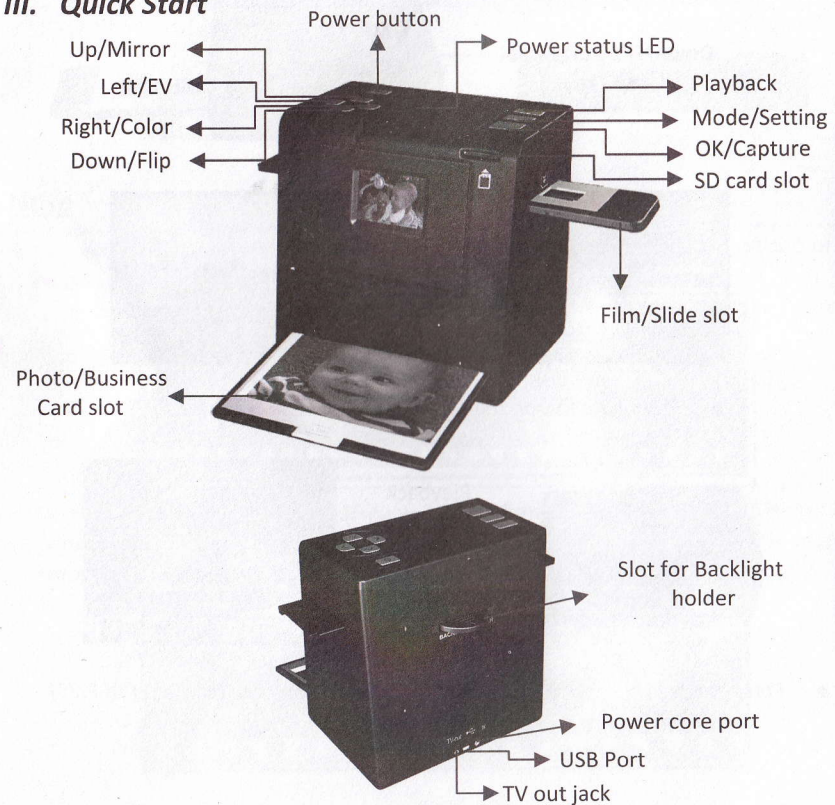


Playback
button



- Press Playback button → Mode/Setting to select Flip function (Refer to P.25) [Figure 2.4]

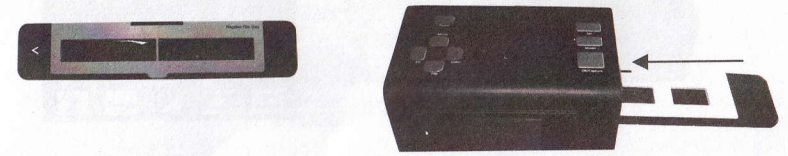
III. Quick Start



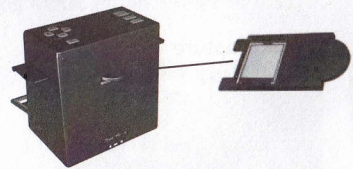
How to use Combo Scan II

Scanning Film/Slide

1. Put Film into Film holder, and Insert the film holder into the right side of the unit.



2. Insert the back light holder at the rear side of the unit.



3. Plug in power cable to the power port on the unit and one end to the power outlet (Figure 3.1).

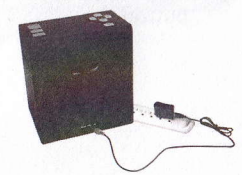
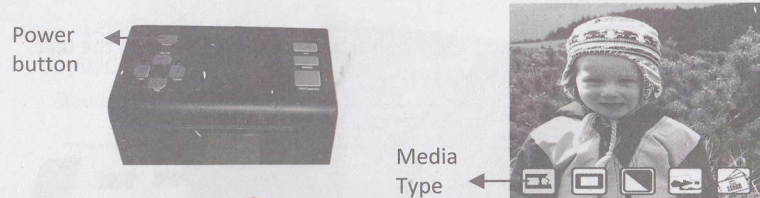
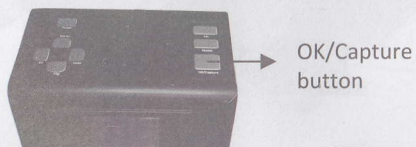


Figure 3.1

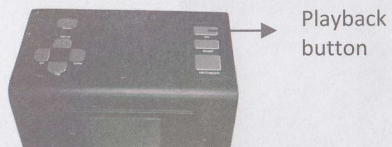
4. Press Power button to power on the unit. Enter media type menu to select the correct media for scanning. (Refer to P.29)



5. Press OK/Capture button to capture the image.



6. Press on Playback button to playback the saved images.



7. After capturing, take out the SD card which stored the saved images.

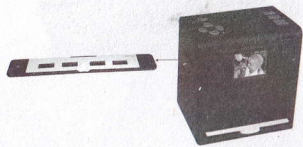


8. Alternative to 7, saved picture can be read directly, without taking out the SD card, from PC by entering MSDC mode. (Refer to P.31)

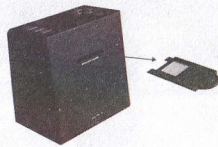


Scanning Photo

1. Remove the film/slide holder as well as the back light holder from the unit if either one is attached.

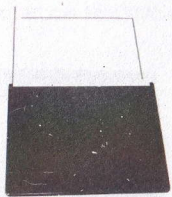


Remove film/slide holder by exiting the sliding to the left hand side.



Remove backlight holder by pressing down the handle and pull it out.

2. Open the photo holder frame as illustrated, place the photo on the base of the photo holder and close the photo holder frame.



3. Insert the photo holder into the photo slot of the unit.



4. Enter Media Type Mode to select the correct media for scanning. (Refer to P.29)



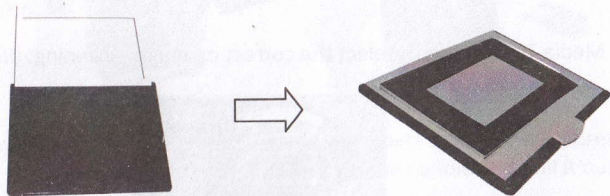
5. Press OK/Capture button to capture the image.



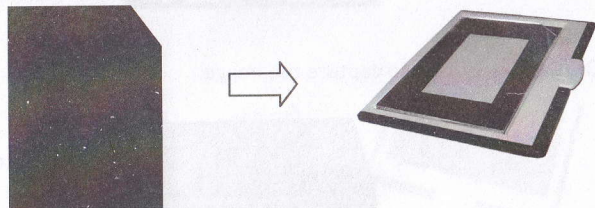
OK/Capture button

Scanning Business Card

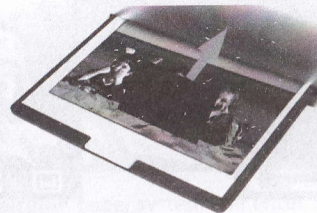
1. Follow step 1 from scanning photo to remove the film/slide holder as well as the back light holder in the previous pages.
2. Open the photo holder frame and place the business card on the base of the photo holder following the engraved guide line.



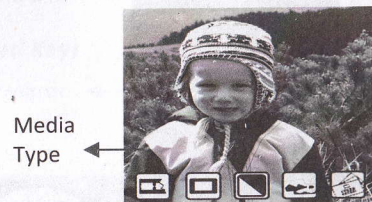
3. Put the business card fixture on the top of photo holder.



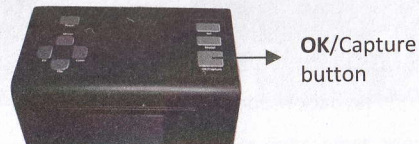
4. Insert the photo holder with business card fixture into the photo slot of the unit.



5. Enter media type menu to select the correct media for scanning. (Refer to P.29)



6. Press OK/Capture button to capture the image.



IV. Operation Guide



Live View Mode



Capture Mode



Playback Mode



Setting Mode

1. Live View Mode

Live View indicator
(flashing at 0.5sec rate)



After a quick display of welcome page, system will enter the Live View mode. A flashing red dot appears on the top left hand corner indicating the state in Live View. (Note: select correct media type (Refer to P.29) before capturing. By default the setting is at Negative Film. Unit will reset back to the default setting after power off)

1.1 Mirror (Hard Key)

Up/Mirror



Save & Exit
OK/Capture

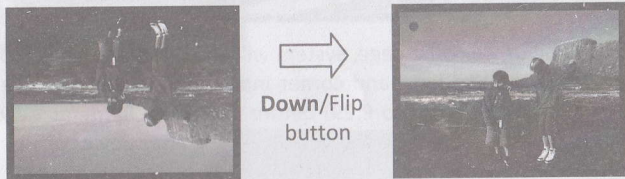
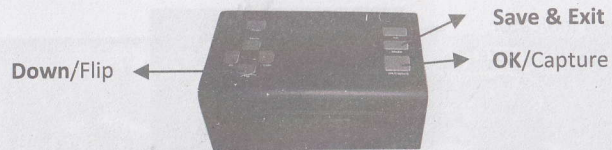


Up/Mirror
button



- Press Up/Mirror button to turn the image left to right, press again vice versa

1.2 Flip (Hard Key)



- Press **Down/Flip** button to turn the image upside down, press again vice versa

1.3 EV (Hard Key)



- Press **Left/EV** button to enter EV(Brightness) control



Up/+
button



- Press **Up/+** button to increase exposure(brightness) with ranges of -3 to 3



Down/-
button



- Press **Down/-** button to decrease exposure(brightness) with ranges of -3 to 3

1.4 Color (Hard Key)

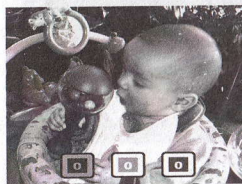


- Press **Right/Color** button to enter color control



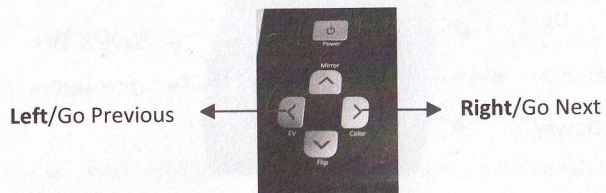
Up/+
button

- Press **Up/+** button to increase Color with ranges of -3 to 3



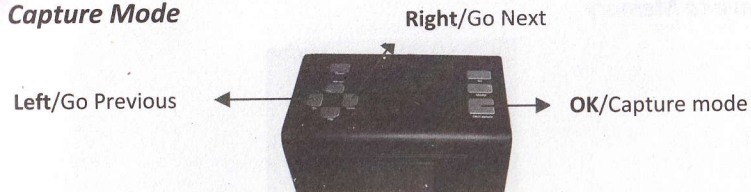
Down/-
button

- Press **Down/-** button to decrease Color with ranges of -3 to 3

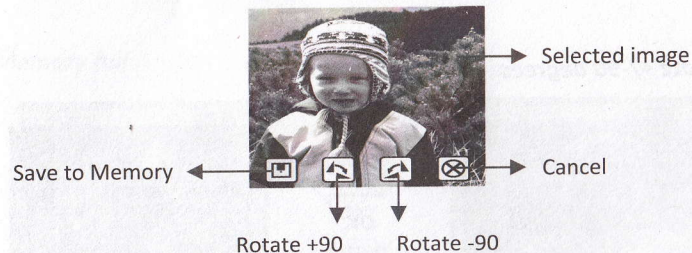


- Press arrow hard key **Left** and **Right** to move between R, G, B

2. Capture Mode



Once user presses the OK/Capture hard key, the live view image is selected and wait for 2-3 seconds to enter the Capture mode shown with four icons on the display.



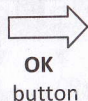
- **Save to Memory**: save selected image to memory
- **Rotate +90**: rotate +90 degrees
- **Rotate -90**: continue rotate -90 degrees
(this is for adjusting the user who took the portrait picture)
- **Cancel**: cancel all action and return to Live View

2.1 Save to Memory



Save icon will be highlighted for user to confirm the saving by pressing the OK/Capture button. After save action the display returns back to Live View.

2.2 Rotate +/-90 degrees



OK
button



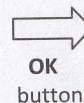
User can manipulate rotate +90 or rotate -90 with the Left or Right button to highlight on the rotate +90/-90 icon. Press OK/Capture button to do a clockwise or anti-clockwise rotation and move to Save and Exit screen page. Press again the OK/Capture button to save the rotated image or exit without save. The screen will return back to Live View.

2.3 Cancel



With Cancel icon highlighted, pressing the OK/Capture button to cancel all action and return back to the state of Live View. Nothing will be saved onto the SD card.

2.4 Memory full

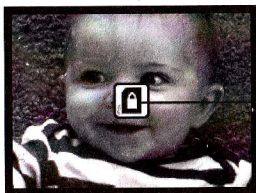


OK
button



Once the internal memory or SD card is full, user can see a FULL icon showing on the display. User can either upload the saved images to PC or replace with another SD card for continuing capture.

2.5 SD card locked



SD card locked icon

If the SD card is locked, press the OK/Capture button will show up a SD Card Locked icon at the center of screen. Unlock the SD card by switching the bar to unlock position to continue use of the SD card.

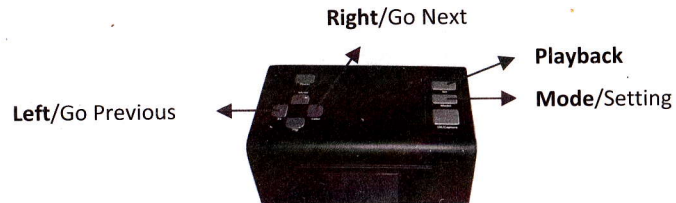
2.6 SD card error



SD card error indicator

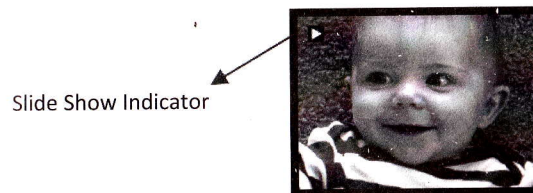
If scanner cannot detect a good working SD card in the SD slot, a warning icon with question mark will appear at the center of screen. Either format the SD card (Refer to P.30) or replace with another good SD card for continue operation.

3. Playback Mode



Press the Playback button to enter the Playback Mode.

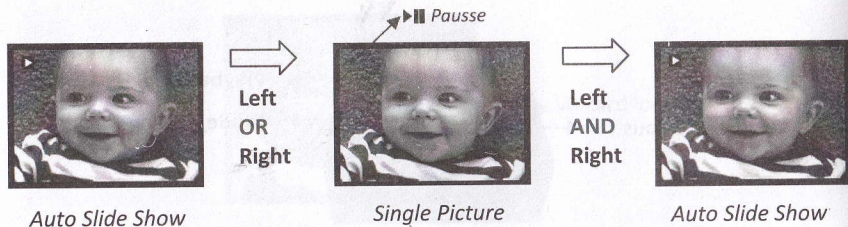
3.1 Playback Auto Slide Show



Slide Show Indicator

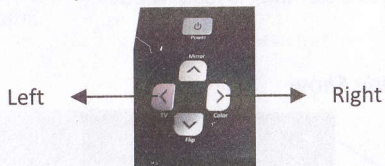
Once user enters the playback mode, a slide show indicator is showing at the top left hand corner of screen. The display will start playing all images stored in SD card or internal memory with 2 seconds interval between saved images. User can pause the slide show by pressing either the Left or Right or Mode hard key.

3.2 Playback Manual Control

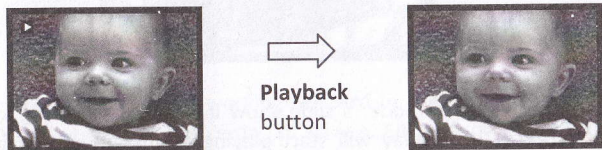


Press Left OR Right button to scroll picture

Press Left AND Right button together to resume to Slide Show



3.3 Playback Exit



Press the Playback button to exit the Playback Mode to return to Live View Mode.

3.4 Playback Edit: Rotate+90/Rotate-90/Mirror/Flip/Delete



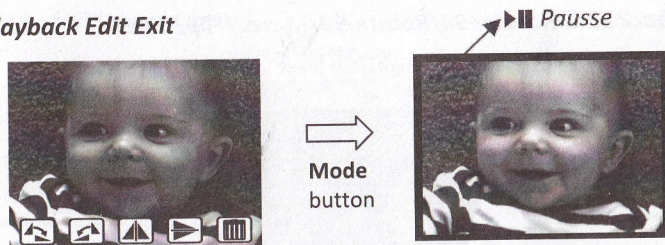
While at the Playback Mode, press the Mode button to enter Playback Manual Control Mode. Press the Mode button one more time to enter Playback Edit. Use Left and Right button to move to the desired icons and press OK button to confirm the action.



- **Rotate +90:** rotate image +90 degrees
- **Rotate -90:** rotate image -90 degrees
- **Mirror:** turn image left to right
- **Flip:** turn image upside down
- **Delete:** delete selected image stored in memory

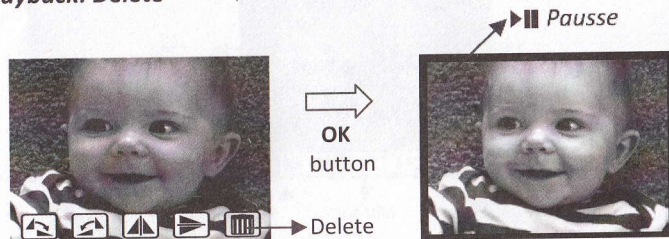
Press the Mode button to resume back to Playback Manual Control Mode.

3.5 Playback Edit Exit



Press the Mode button while at the Playback Edit Mode the display will go back to Playback Manual Control Mode on current selected picture.

3.6 Playback: Delete



With highlight on the Delete icon press OK button will delete the current selected picture and resume back to Playback Manual Control Mode. If user intends to continue to delete the images, repeat the process by pressing the Mode button and move to delete icon again and press OK button to confirm.

3.7 Playback: No Picture



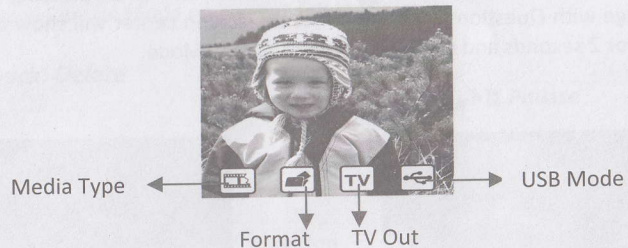
If there is no picture inside the internal memory or SD card when pressing the Playback button, a page with Question Mark symbol at the screen center will show up. The page will remain for 2 seconds and resume back to Live View Mode.

4. Setting Mode



Mode (Hard Key)

While in Live View Mode, press the Mode hard key to enter the Setting Mode.

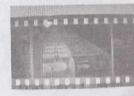


- **Media Type:** Select the type of media loaded in holder
- **Format:** Format Internal memory or SD card
- **TV out:** select NTSC or PAL according to TV system
- **USB mode:** MSDC (Mass Storage Device Class)

4.1 Setting: Media Type



Color Negative film



Photo



B&W Negative film



Business Card
Plastic Card



Slide



4.2 Setting: Format



If the internal memory or SD card requires format by scanner, user can enter Format Mode by pressing the Mode button while under the Live View Mode. Scroll to the second icon from the left and press OK button to enter format confirmation page. The highlight is at the Cancel icon by default. User can press Left or Right button to move to Confirm or Cancel icon and press the OK button.

Note

If there is no SD card inside the unit, the internal memory will be formatted once processing the Formatting action. Vice versa, the SD card will be formatted

4.3 Setting: TV out



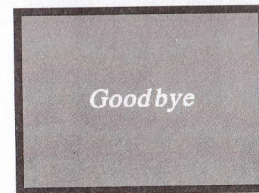
User is able to view the images from a TV display instead of the unit's own LCD display for bigger viewing pleasure. By connecting the AV cable to unit's TV out jet and one end to TV, confirm by pressing OK button to select PAL or NTSC matching to TV system. The TV is now working as an alternative display to perform all tasks like scan, capture, edit and playback.

4.4 Setting: USB Mode



After capture user can upload the saved images from internal memory or SD card to PC by selecting USB Mode. Make sure the USB cable is connected between the unit and PC. Scroll to the USB Mode icon and press the OK button. The display is showing a USB status icon at the center of screen confirming the unit is now becoming a mass storage device. User can review or edit images on the external storage device. Or just take out the SD card from device into PC to read the images directly.

Good bye page



V. Specification

Image Sensor:	5 mega CMOS sensor
Lens:	F no.=2.0, 4 Glass elements,
LCD:	2.4" Color TFT LCD
Internal memory:	24MB NAND Flash (for saving images)
Focus Range:	2x Predefined Focuses
Exposure Control:	6 levels of control
Color Balance:	6 levels of control
Scan Quality:	1,800 dpi
Data Conversion:	10 bit per color channel
Scan Method:	Single pass
Light Source:	Film/Slide scanning: Light bar (3 white LEDs) Photo/Business Card scanning: Light bar (8 white LEDs)
Interface:	USB 2.0, TV-out (video 3.5mm jack)
USB Configuration:	Mass Storage Device Class/MSDC
Power:	5V adapter, or USB power
Dimensions:	190x145x205mm
Weight:	0.90kg
External memory:	SD/SDHC compatible