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# 8

## Camera & Imaging



## Getting Started

Capture still images or record video.

### Detect Personal

Register faces; related information appears in Viewfinder upon face detection.

### Continuous AF

Focus continuously adjusts as the framed subject's position changes.

### Tailored Cameras

941SH is preloaded with cameras tailored for various purposes/occasions; select a specific camera for a particular subject/environment.

### Album

Sort saved images into up to 500 albums; create original albums as needed.

### Important Mobile Camera Usage Notes

- Clean dust/smudges from lens cover with soft dry cloth before use.
- Mobile camera is a precision instrument, however, some pixels may appear brighter or darker.
- Shooting/saving images while handset is hot may affect the image quality.
- Exposing lens to direct sunlight may damage color filter and affect image color.

### Auto Shut-off

- Before image capture/recording, mobile camera shuts down after a period of inactivity and handset returns to Standby.

### Shutter Click

- Shutter click and Self-timer tone sound at fixed volume regardless of handset settings.

### Advanced

-  ● Changing function assigned to Camera Key () Long Press ● Opening Help (P.8-28)



## Photo Camera & Video Camera Overview

Focus modes and sizes shown below are defaults; those with \* are fixed.

		Description	Focus Mode	Size
Standard Shooting	Easy Auto Camera	Capture nearby subjects easily (settings partially changeable)	Normal(Portrait)*	8M
	Pro Auto Camera	Capture nearby subjects easily (settings mostly changeable)	Normal(Portrait)	8M
	Quick Camera	Capture distant scenery quickly	Manual Focus*	3M
Subject Type & Environment	Scene Cameras	Select one according to subject/environment	Normal(Portrait)*	8M
	Monochrome Camera	Capture black and white images	Normal(Portrait)*	8M
	Sepia Camera	Capture sepia images	Normal(Portrait)*	8M
	Long Exposure Camera	Capture images in low light (fireworks, night scenes, etc.)	Normal(Portrait)*	8M
Specific Objectives	Wallpaper Camera	Show mock Clock/Calendar in Viewfinder to capture image and set it as Wallpaper	Normal(Portrait)	Wallpaper*
	Auction Camera	Capture up to three images in a session	Center Auto Focus	VGA
	Messaging Camera	Capture and send images via mail easily	Normal(Portrait)*	VGA
	Blog Camera	Capture and post images to blogs easily	Normal(Portrait)	VGA



## Auto Shutter Release

## Look Back Camera

Play attention-getting sound and release shutter automatically when subject turns face to camera

Normal(Portrait)\*

8M

## Smile Camera

Release shutter automatically when subject smiles

Normal(Portrait)\*

8M

## Self Timer Camera

Release shutter automatically after selected time elapses

Normal(Portrait)\*

8M

## Special Shooting

## Shooting Camera

Capture up to nine images consecutively

Normal(Portrait)

QVGA

## Panorama Camera

Capture panoramic images of scenery, etc.

Center Auto Focus

—

## Scanner Camera

Move handset to scan the area to capture

Center Auto Focus

Free

## Additional Cameras

## Drawable Camera

Drag finger on captured image to scribble or sketch

Normal(Portrait)\*

Wallpaper

## Pretty Arrange Camera

Touch up faces in captured images

Normal(Portrait)\*

3M

## Self Portrait Camera

Use guide to capture self portraits

Normal(Portrait)\*

3M

## Face Register Camera

Register name and note for faces

Normal(Portrait)\*

VGA\*

## Video Camera

## Fine Video Camera

Record long high quality video

Auto Focus

Wide

## Video Camera for Mail

Record short video easily to send it via mail

Auto Focus

QCIF



## Capturing Still Images

### Slider Closed

Follow these steps to capture someone's image using **Pro Auto Camera**: (Descriptions are for operation with Touch Panel, with Display in landscape orientation.)

**1**  (Long)

**2**  ➔ **Swipe finger to choose Pro Auto Cam**



**3** **Tap Pro Auto Camera**

- Pro Auto Camera activates.

**4** **Frame subject on Display**

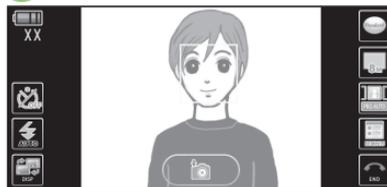


Photo Viewfinder  
(face detected)

- Focus is locked on faces automatically for Pro Auto Camera, Easy Auto Camera, etc. (Portrait auto focus)
- When multiple faces are detected, frame appears on each face; tap one on which to lock focus.
- Register name, note, etc. for faces; entered information appears in Viewfinder upon face detection, and captured images are sorted into albums (Person) when saved. (Detect Personal)
  - Detection may fail depending on face angle, distance from subject or environment.

**5** 



Captured Image Window

- Shutter clicks; captured image appears.

**6** 

- Image is saved. (Viewfinder returns.)
- Open saved images via Album, Review or Data Folder.

**7** **END** ➔ **Camera shuts down**

### Mobile Light

- Mobile Light may illuminate automatically depending on ambient light level or camera type. Follow these steps to turn setting off:

[Photo Viewfinder]  ➔ 

- Tap **MENU** first for some cameras.

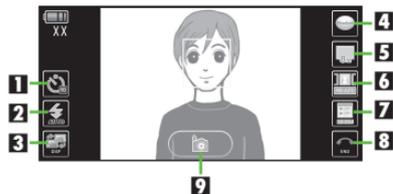
### Advanced

- Selecting Self-timer/repeat interval
- Setting image size
- Setting focus frame design
- Setting shutter click sound
- Setting save location
- Changing Mobile Light mode (And more on P.8-28 - 8-29)



## Pre-Image Capture Operations (Touch Panel)

Indicators appear on Display. Tap one to adjust the corresponding setting or execute the assigned command. Indicators vary by camera type.



1 Self-timer	6 Switch cameras
2 Mobile Light	7 MENU
3 Toggle indicator view	8 Exit
4 Scene	9 Release shutter
5 Picture Size	

### Toggle Indicator View [Photo Viewfinder] DISP Opening Status Icon List

- When indicators (signal strength, battery strength, etc.) appear at Display top, tap indicator area to check active indicators and their descriptions.

## Additional Operations

Shortcuts:

Zoom In/Out	Drag finger up or down across image
Adjust Brightness	Drag finger left or right across image
Focus Lock	Tap image

Tap **MENU** for more functions/settings.

### Opening Help

[Photo Viewfinder] MENU ➔ Help

### Slider Open

Follow these steps to capture distant scenery using **Quick Camera**: (Descriptions are for operation with handset keys, with Display in portrait orientation.)

#### 1 (Long)

- Photo Viewfinder appears.

#### 2 ➔ Switch Camera ➔ Quick Cam

#### 3 Frame subject on Display

- Faces are not detected automatically for Quick Camera. For close-up portrait shots, press and use to adjust focus. (Manual Focus)

#### 4

- Shutter clicks; captured image is saved. (Viewfinder returns.)
- Open saved images via Album, Review or Data Folder.

#### 5 ➔ Camera shuts down

### Mobile Light

- Mobile Light may illuminate automatically depending on ambient light level or camera type. Follow these steps to turn setting off: [Photo Viewfinder] ➔ Mobile Light ➔ Off

## Advanced

- Correcting portrait auto focus images (And more on P.8-30)

## Pre-Image Capture Operations (Handset Keys)

Zoom In/Out	
Adjust Brightness	
Toggle Mobile Light Mode	
Open Help	

Press to open Options menu for more functions/settings.

## Focus Lock

Lock focus on subject; camera continuously focuses on the subject even if it moves. Chase Focus tracks the subject's movement, and Continuous AF adjusts focus as the distance to the subject changes.

### 1 In Photo Viewfinder, frame subject in center of Display

### 2 Tap subject

- Focus Lock is set.

### 3

- Captured image appears.
- Tap **OK** to return to Viewfinder.

## Using Handset Keys

[Photo Viewfinder] Frame subject in center of Display

### Canceling Focus Lock

- Tap image or press .

### Chase Focus

- Camera distinguishes the subject by color; light-colored subjects or subjects having the same color as the background may not be tracked correctly.

## Image Size & Print/Display Size

941SH Picture Size & Corresponding Print/Display Size:

<b>8M</b>	A4 prints
<b>5M</b>	B5 prints
<b>3M</b>	L to 2L prints
<b>Full HD</b>	Full HD display wallpaper*
<b>Wallpaper</b>	941SH Wallpaper
<b>VGA</b>	VGA display wallpaper*
<b>QVGA</b>	QVGA display wallpaper*

\*For image specifications, see P.17-20 "Photo Camera."

### Auto Resize Zoom

- At **8M**, Picture Size changes with zoom scale (print quality may be affected); check the size on indicator before image capture.



## Using Various Cameras

### Activating Cameras

(Descriptions are for operation with Touch Panel, with Display in landscape orientation.)

#### 1 In Photo Viewfinder,



#### 2 Swipe finger to choose camera



#### 3 Tap camera

- Selected camera activates.
- For subsequent operations, see "Using Tailored Cameras" below.

### Using Tailored Cameras

(Descriptions are for operation with Touch Panel, with Display in landscape orientation.)

#### Shooting Camera

#### 1

#### 2 Select mode

#### 3 Frame subject on Display



- After image capture, the first preview image appears.

#### 4 Long Touch Hold: Save All

- All captured images are saved.

### Saving Selected Images

After , drag image left or right to choose one 

#### Look Back Camera

#### 1 Frame subject on Display



- Attention-getting sound plays.

#### 2 Shutter is released upon face detection; image is saved

#### 3 OK

- Viewfinder returns.

### Advanced

-  ● Setting continuous shooting mode ● Setting Look Back Camera sound (P.8-29)

### Smile Camera

- 1 Frame subject on Display
- 2 Shutter is released upon smile detection; image is saved
- 3 OK
  - Viewfinder returns.

### Self Timer Camera

- 1 Frame subject on Display
  - ➔ 
  - Countdown starts.
- 2 Shutter is released after approximately ten seconds; image is saved
- 3 OK
  - Viewfinder returns.

### Wallpaper Camera

- 1 Frame subject on Display
    - ➔ 
- 
- Wallpaper preview appears.

- 2 **Setting**
  - Image is set as Wallpaper. (Viewfinder returns.)

### Auction Camera

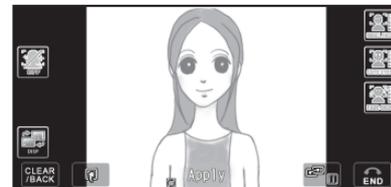
- 1 Frame subject on Display
  - ➔ 
  - First preview image appears.
- 2 
  - Repeat 1 - 2 to capture two more images following onscreen instructions.
- 3 **Yes**

### Messaging Camera

- 1 Frame subject on Display
  - ➔ 
- 2 
  - Mail Composition window opens. Complete and send message.

### Pretty Arrange Camera

- 1 Frame subject on Display
  - ➔ 
- 2 



- Face is touched up.
- 3 **Apply** ➔ 
    - Viewfinder returns.

**Adjusting Each Effect Separately**  
After 2, tap corresponding indicator (Apply, etc.)

- Tap the same indicator repeatedly for further adjustment.

### Editing Images

- After 1,  ➔ **Select effect**
- For more, see P.8-22 "Picture Editor."

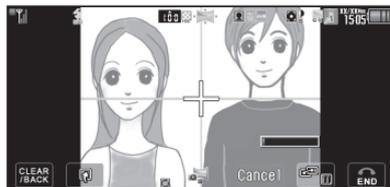
## Advanced

-   Selecting Self-timer time/repeat interval (P.8-28)
-  Adjusting smile detection level  Setting Clock/Calendar type for Wallpaper Camera (P.8-29)



## ■ Panorama Camera

### 1 Frame subject on Display



### 2 Move handset slowly to keep + aligned with either of yellow lines



- Captured image is saved.
- Image is captured automatically when the bar (  ) turns blue.

## ■ Additional Cameras

Scene Cameras	
Monochrome Camera	Frame subject on Display ➔ 
Sepia Camera	
Long Exposure Camera	Frame subject on Display ➔  • Shutter is left open for approximately 30 seconds before image capture.
Blog Camera	Frame subject on Display ➔  ➔  ➔ Proceed with blogging
Drawable Camera	Frame subject on Display ➔  ➔  ➔ Drag finger on image ➔ <b>Assign</b>
Self Portrait Camera	Turn handset around and look into the lens ➔  • Shutter is released after approximately two seconds upon face detection.
Scanner Camera	Frame subject on Display ➔  ➔ Move handset slowly to scan the area to capture ➔ 

## Advanced

-   Changing panorama settings
-  Previewing panorama image
-  Setting panorama image preview method
-  Setting exposure time for Long Exposure Camera (P.8-30)

## Changing & Saving Camera Settings

Change settings according to purpose/environment; save frequently used settings as **My Camera** for future use.

- Some settings may be unavailable depending on camera type (no corresponding indicators appear).
- For setting procedures, see **P.8-28 - 8-29**. In addition to these, there are settings unique to each tailored camera.

### Major Items

		Description
Focus	Focus Mode	Select from <b>Normal(Portrait)</b> , <b>Center Auto Focus</b> , <b>Low Light</b> and <b>Manual Focus</b>
	Continuous AF	Select whether to adjust focus continuously as focus-locked subject's position changes
	Chase Focus	Select whether to track focus-locked subject automatically as it moves within framed image
	Focus Mark	Select focus frame design from <b>pattern 1</b> to <b>pattern 6</b>
Shutter	Self-timer	Select <b>10 sec.</b> , <b>5 sec.</b> , <b>2 sec.</b> or <b>Off</b>
	Shutter Mode	Select from <b>Normal</b> (manual), <b>Egao</b> (smile detection) and <b>Furimuki</b> (face detection)
	Shutter Sound	Select shutter click sound from <b>pattern 1</b> to <b>pattern 3</b>
Image Size & Quality	Picture Size	Select image size from <b>8M(2448x3264)</b> to <b>QVGA(240x320)</b>
	Picture Quality	Select image quality from <b>High Quality</b> , <b>Fine</b> and <b>Normal</b>



## Environment

ISO Sensitivity

Select light sensitivity from **Auto**(~800) to **Auto(High)**(~12800) and **100** to **12800**

White Balance

Select **Auto**, **Daylight**, **Cloud/Shade**, **Tungsten** or **Fluorescent** according to lighting conditions

Exposure

Select amount of light received by camera from **-2** to **+2**

Mobile Light

Select Mobile Light mode from **On**, **Automatic**, **Low Light** and **Off**

Save Pictures to

Select **Phone Memory**, **Memory Card**, **DCIM** or **Ask Each Time**

Auto Save

Select **ON(Preview Off)**, **On(Preview 2 sec.)**, **On(Preview Manual)** or **Off**

Background Save

Select whether to enable quick transition to Viewfinder after saving images

Shake Reducing

Select shake reduction option from **Auto**, **Auto(Strong)** and **off**

Display Setting

Select indicator view from **Icon On**, **Icon Off** and **Guidance**

Set Send Key

Select send option assigned to Softkey (& )

## Description

## Save Settings

## Other



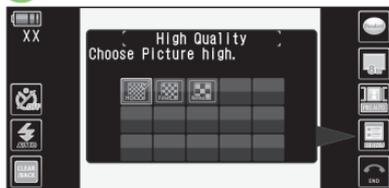
## Changing Settings

Example: Picture Quality  
(Descriptions are for operation with Touch Panel, with Display in landscape orientation.)

### 1 In Photo Viewfinder, **MENU**



### 2 Picture Quality



### 3 Select quality

- Viewfinder returns.
- For some settings, current status appears in their indicators.

## Saving Changed Settings

After image capture, save changed settings with a name and captured image; load saved settings in the same manner as switching cameras.

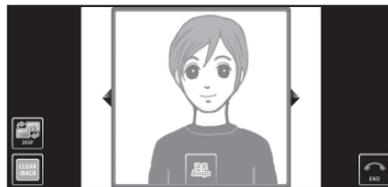
(Descriptions are for operation with Touch Panel, with Display in landscape orientation.)

### Saving as My Camera

#### 1 In captured image window, **Options** → **My Camera Entry**

- Messages appear.

#### 2 Drag frame to specify image area



- The specified portion will be used as the camera's icon.

### 3 Assign



#### 4 My Camera Name:

#### 5 Enter name → Done

#### 6 Assign

- My Camera is created.

#### Entering Information

After **⊖**, **Note:** → Enter text → **Done**  
→ **⊖**

#### Using My Cameras

#### 1 In Photo Viewfinder, tap camera selection indicator (**⊖**), etc.)

#### 2 Swipe finger to choose My Camera

#### 3 Tap My Camera

## Advanced

- 👉 ● Deleting My Cameras ● Editing My Cameras (P.8-30)



## Registering Faces (Detect Personal)

Register faces; related information appears in Viewfinder upon face detection, and captured images are sorted into albums (Person) when saved.

- Register name, note and priority for up to ten faces.
- When multiple registered faces are detected, focus is locked to one with highest priority.



Information in Viewfinder

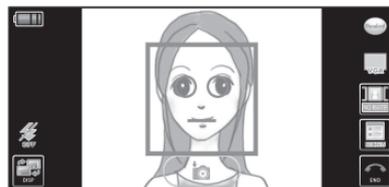
### Saving Entries

(Descriptions are for operation with Touch Panel, with Display in landscape orientation.)

- 1 In Photo Viewfinder, **MENU**
- 2 **Detect Personal**
- 3 **Register Face**



- 4 Use guide to find best position



- Guide turns red when face is detected.

5



- Window shown above opens when face is recognized correctly; if not, repeat 4 - 5.

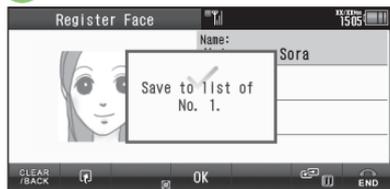
6 **Empty**

7 **Name:**

8 Enter name → **Done**



## 9 Assign



- Entry is saved.
- The lower the entry number the higher the priority.

### Entering Information

After **9**, **Note** → Enter text → Done  
→ **9**

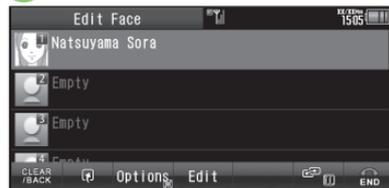
### Setting Text Color

After **9**, **Font Color** → Select color  
→ **9**

- Upon face detection, information in Viewfinder appears in the selected color.

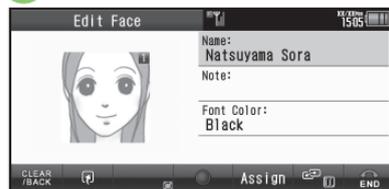
## Editing Entries

- 1 In Photo Viewfinder, **MENU**
- 2 **Detect Personal** → **Edit Face**



Edit Face Window

- 3 Select entry



- 4 Select item → Edit in the same manner as saving entries
- 5 **Assign**
  - Entry is overwritten.

## Deleting/Moving Entries

Follow these steps to delete an entry:

- 1 In Edit Face window, highlight entry
- 2 **Options**



- 3 **Delete** → **Yes**
  - Entry is deleted.

**Moving Entries (Changing Priorities)**  
After **2**, **Change Priority** → Select target location



## Recording Video

### Slider Closed

Follow these steps to record long video using **Fine Video Camera**: (Descriptions are for operation with Touch Panel, with Display in landscape orientation.)

**1 MENU** ➔ **Camera**

**2 Fine Video Camera**



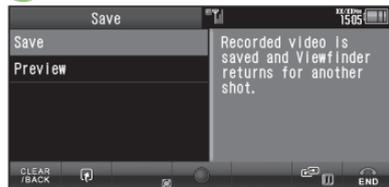
Video Viewfinder  
(Fine Video Camera)

**3 Frame subject on Display**



- Recording starts after a tone.
- If Memory Card is not inserted, storage media options appears.

**4**



**5 Save**

- Video is saved. (Viewfinder returns.)
- Play saved video via Review, Data Folder or Media Player.

### Playing Unsaved Video

In **Preview**

### Incoming Calls

- If a call arrives before video is saved, recorded clip is temporarily saved. End the call to return.

### If Battery Runs Low

- Recording stops. (Recorded clip is saved.)

### Switching Video Cameras

[Video Viewfinder] **Options** ➔ **Simple Setting** ➔ **Select video camera**

### Operations in Video Viewfinder (Touch Panel)

Indicators appear on Display. Tap one to adjust the corresponding setting or execute the assigned command.



<b>1</b>	Start recording	<b>4</b>	Mobile Light
<b>2</b>	Zoom in/out	<b>5</b>	Exit
<b>3</b>	Adjust brightness	<b>6</b>	Switch cameras

### Opening Status Icon List

- Tap indicator area (Display top) to check active indicators and their descriptions.

### Advanced

- Adjusting focus quickly for close-up shots
- Setting image quality
- Activating Mobile Light
- Capturing images while recording video (still image capture)
- Setting recording size (And more on **P.8-30 - 8-31**)



## Additional Operations

Zoom In/Out	<b>Zoom</b> ➔ Drag slider
Adjust Brightness	<b>Exposure</b> ➔ Drag slider
Toggle Mobile Light Mode	Tap <b>Light</b>
Focus Lock	Tap image
Pause/Resume Recording	Tap <b>Pause</b> or <b>Restart</b> <sup>1</sup>
Capture Still Images	Tap <b>Capture Image</b>
Cancel Recording (Start Over)	Tap <b>CLEAR/BACK</b>

<sup>1</sup>May be unavailable depending on recording size. Tap **Options** to open Options menu for more functions/settings.

### Opening Help

[Video Viewfinder] **Options** ➔ **Help**

### Switching Cameras

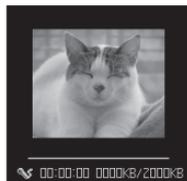
[Video Viewfinder] **Options** ➔

**Switch Camera** ➔ Swipe finger to choose camera ➔ Tap camera

## Slider Open

Follow these steps to send recorded video via mail using **Video Camera for Mail**. (Descriptions are for operation with handset keys, with Display in portrait orientation.)

- MENU** ➔ **Camera**
- Video Camera for Mail**



Video Viewfinder  
(Video Camera for Mail)

- Frame subject on Display**



- Recording starts after a tone.

- 



- Recording stops with a tone.

- Send**

- Save and Send**

- Mail Composition window opens.

- Complete message** ➔

### Switching Video Cameras

[Video Viewfinder] ➔ **Simple Setting** ➔ Select video camera

### Operations in Video Viewfinder (Handset Keys)

Zoom In/Out	
Adjust Brightness	
Toggle Mobile Light Mode	
Change Quality	
Pause/Resume Recording	While Recording,
Capture Still Images	While Recording,
Cancel Recording (Start Over)	
Open Help	

<sup>1</sup>May be unavailable depending on recording size. Press to open Options menu for more functions/settings.



## Opening Saved Images via Album

### Basics

Handset sorts saved images into up to 500 albums of the following preloaded categories automatically; create original albums as needed.

<b>Person</b>	Stores portraits sorted into albums by face registered via Detect Personal
<b>Event</b>	Stores images sorted into albums by period scheduled in Calendar
<b>By Camera</b>	Stores images sorted into albums by camera type
<b>By Date</b>	Stores images sorted into albums by captured date

### Album Images & Source Files

- Album stores only file locations. (Source files are saved in Data Folder.) Images disappear from Album if source files are deleted, moved or renamed.



A single image can be sorted into multiple categories (e.g., a portrait captured using a specific camera is stored in **By Camera** and **Person**). In addition, a single image with multiple registered faces will be stored in each subject's album in **Person**.

### Opening Albums

#### 1 MENU → Camera → Album



Album Window

- **Recommend** shows a recently updated album.
- **Popular Top 10** stores ten most frequently opened albums.

#### 2 Select category



Album List

- Albums within appear.



### 3 Select album



Image List

### 4 Highlight image

- To scroll quickly, swipe finger up or down across Display.

### 5 View

- Image appears.

#### Opening Latest Album

After 1, **New**

#### Slide Show

After 2, highlight album → **Options**  
→ **Slide Show**

#### Copying/Moving Images to Other Albums

After 3, **Options** → **Past Other Album (or Re-Past Other Album)** →  
**Select category** → **Select album**

- Images in By Date or By Camera albums cannot be moved (**Re-Past Other Album** does not appear).

### Creating Original Albums

Create new albums by selecting sort keys (from Person, Event and By Camera) and specifying date and time. Follow these steps to create an album by selecting sort keys from By Camera and Person:

#### 1 In Album window, **Options** → **Create Original Album**



#### 2 Choose Portrait

#### 3 Select entry



- Repeat 3 to complete selection.

#### 4 OK

### 5 Select Camera Type

### 6 Select camera



- Repeat 6 to complete selection.

### 7 OK

### 8 Create Album

### 9 Enter name → Done

### 10 Yes

#### Previewing Created Album

After 7, **Album Preview**

- To return, tap **CLEAR/BACK**.

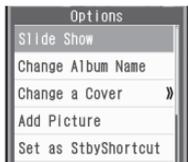


## Editing Albums

Some albums may not be edited.

## Renaming Albums

- 1 In Album window or album list, highlight album ➔ *Options*



- 2 Change Album Name
- 3 Enter name ➔ *Done*

## Adding Images

Not available for By Date or By Camera albums.

- 1 In album list, highlight album ➔ *Options*

## 2 Add Picture



- 3 Select folder
- 4 Select image

## Adding Images via Data Folder

*MENU* ➔ *Data Folder* ➔ *Pictures* or *DCIM* ➔ Highlight image ➔ *Options*  
 ➔ *Save to Album* ➔ Select category  
 ➔ Select album

## Deleting Albums

- 1 In album list, highlight album ➔ *Options*
- 2 *Delete*
- 3 *Yes*

## Adding Comments to Images

- 1 In image list, highlight image ➔ *Options*
- 2 *Edit Comment*
- 3 Enter text ➔ *Done*



- Entered text appears in image list.

## Other Editing Options

- Album image handling is similar to that of Data Folder. For more information, see the chapter "Data Folder & Memory Card."

## Advanced

- Changing album covers
- Sorting albums
- Opening album properties (P.8-31)

## Opening Saved File via Review

### Opening Last Saved File

Open/play last saved mobile camera file;  
access older files as needed.

1 **MENU** → **Camera**

2 **Review**



Review Window

- To end Review, tap **END**.

### Enlarging Images

After **Z**, **Zoom**

### Pausing/Resuming Video

After **Z**, **||** or **▶**

### Opening Help

[Review Window] **Options** → **Help**

### Opening from Video Viewfinder

[Video Viewfinder] **Options** → **Review**

### Accessing Older Files

1 In Review window, **List**



Review File List

- File list appears.
- Tap **SwitchTab** to toggle lists.

2 **Select file**

- File opens/plays.



## Picture Editor

### Picture Editor Options

The following options are available. Some images may not be editable depending on file type and size.

Resize	Select from preset sizes or crop image
Frame	Add Frame to images
Paste	Add text/dates to images
Retouch	Dress up images with preloaded visual effects
Stamp	Add stamps to images
Face Arrange	Make smiley, angry or sad faces
Correction	Correct images
Rotate	Rotate images
Paint Pen	Scribble or sketch
File Format	Convert file format and change file size

### Basic Operation

- 1 MENU → Data Folder
- 2 Pictures → Highlight image
- 3 Options → Edit
- 4 Picture Editor



Picture Editor Menu

- 5 Select effect → Edit



- To start over, tap **CLEAR/BACK**.

- 6 When finished, Save



- 7 Save as New

- To overwrite, tap **Overwrite**. (Omit Ⓢ.)

- 8 Enter name → Done → Save here

### Canceling Effects

After Ⓢ, **undo**

- To restore effect immediately after canceling, tap **redo**.



## Changing Image Size

Select from preset sizes or crop image.

### Resize to Preset Size

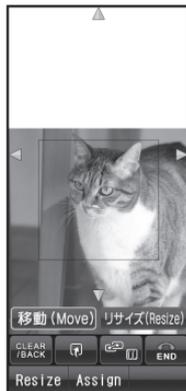
- 1 In Picture Editor menu, *resize*



Resize Window

- 2 Select size

- 3 Drag image to specify image area



- If crop frame does not appear, omit ③.

- 4 *Assign*

- Editing is complete.

### Zooming In/Out

After ③, *Resize* ➔ Drag slider ➔ ④

## Cropping Images

- 1 In Resize window, *Cut*
- 2 Drag + to the upper left corner of the portion to crop  
➔ *Switch*



- 3 Drag + to the lower right corner of the portion to crop  
➔ *Assign*

- 4 *Assign*

- Editing is complete.

### Specifying Image Area

After ③, drag image ➔ ④

### Zooming In/Out

After ③, *Resize* ➔ Drag slider ➔ ④



## Applying Visual Effects

Render in sepia tones or add blur, etc.

- 1 In Picture Editor menu, *retouch*



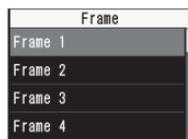
- 2 Select effect



- 3 Assign
  - Editing is complete.

## Adding Frames

- 1 In Picture Editor menu, *frame*



- 2 Select frame



- 3 Assign
  - Editing is complete.

## Scribbling

Drag finger on Display to scribble or sketch.

- 1 In Picture Editor menu, *paint pen*

- 2 Drag finger freely on image



- 3 Assign
  - Editing is complete.

**Changing Line Thickness & Color**  
In **☺**, **Set** → **Select thickness** →  
**Select color** → **Done**

**Using Pictograms**  
In **☺**, **Set** → **Pict** → **Select size** →  
**Select Pictogram** → **Done**

**Canceling Last Action**

- Tap **UNDO**.

**Zooming In**

In **☺**, **ZoomIn**

**Viewing Portions Outside Display**

In **☺**, drag arrows at the corners

## Advanced

- ☺ Using additional editing options (P.8-32)

## Face Arrange

Make faces smiley, sad, etc.

- 1 In **Picture Editor** menu, *arrange*



Face Arrange Menu

- 2 Select type

- 3 **Assign**

- Editing is complete.

### Important Face Arrange Usage Note

- When using Face Arrange, take care not to create images that may embarrass or offend others. Always obtain permission before photographing others.

## Adjusting Positions

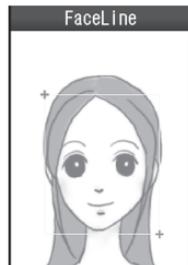
Change the default positions and sizes of targets to fit the image.

- 1 In **Face Arrange** menu, *Parts* ➔ *Modify*

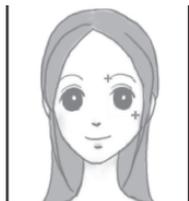
- A rectangle appears with + in the upper left corner.

- 2 Drag + to top left of face ➔ *Switch*

- 3 Drag + to bottom right of face



- 4 **Assign**



- Face line is set. Set the eyes and then mouth in the same way.

- 5 **Assign** ➔ **Yes** ➔ **Save here**

- Image is saved as a new entry with Face Arrange positions adjusted. Complete Face Arrange. Face Arrange is applied to the adjusted positions.



## Composite

### Composite Options

The following options are available. Some images may not be editable depending on file type and size.

<b>Split Picture</b>	Combine up to four images into one
<b>Merge Panorama</b>	Combine two still images into one

### Panorama Images

Panorama Image Effects:

<b>Near View</b>	Best suited for close-up shots
<b>Document</b>	Use for images with text
<b>Standard</b>	Apply to other images

- 1 **MENU** ➔ **Data Folder**
- 2 **Pictures** ➔ **Highlight image**
- 3 **Options** ➔ **Edit**
- 4 **Composite**

### 5 **panorama**



- File highlighted in 2 is set as left image.

### 6 **<Empty>** ➔ **Select image**

### 7 **EFFECT** ➔ **Select effect**

- Editing is complete.

### 8 **When finished, Save**



- Merged image appears.

### 9 **OK**

### 10 **Enter name** ➔ **Done** ➔ **Save here**

#### Changing Images

After 2, select image ➔ **Change** ➔ Select image

#### Switching Image Positions

After 3, **Flip**

### Advanced

- Combining reduced images (P.8-32)



## Printing Images

### Digital Print Order Format (DPOF)

Select images from Memory Card and specify the number of copies to print on DPOF-compatible printers, or at digital printing services.

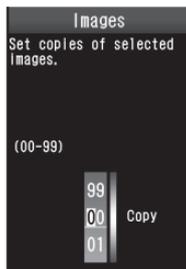
DPOF settings made on other devices are unusable; delete existing settings to create new ones on handset.

- MENU** ➔ **Settings** ➔ **Phone/**  **tab**
- Memory Card** ➔ **DPOF**
- Number of Copies**



- For Each Picture** ➔ **Select folder**

- Select image** ➔ **Count**



- Enter a number of copies to print** ➔ **Accept**

- For more settings, repeat 5 - 6.

- Save**

#### Applying a Number to All Images

In 4, **For All Pictures** ➔ Enter a number of copies to print ➔ **Accept**

#### Canceling Specified Number

In 6, enter **00** ➔ **Accept** ➔ 

#### Viewing Current Print Settings

In 3, **Check Settings**

### Using Printers

Connect handset to a Bluetooth®-compatible printer and print images in Pictures folder.

- Activate Bluetooth® on the printer.
- Some images may not be sent depending on file type and size.

- MENU** ➔ **Data Folder** ➔ **Pictures**
- Highlight image** ➔ **Options** ➔ **Print**
- Via Bluetooth** ➔ **Select printer**
- Yes**
  - To cancel, tap **Cancel**.

**When Authorization Code is Required**  
Enter Authorization Code ➔ **OK**

### Advanced

-  Changing print settings (P.8-32)



## General

Changing function assigned to Camera Key (  ) Long Press	<b>MENU</b> ➤ <b>Camera</b> ➤ <b>Set Camera Key</b> ➤ Select function
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## Photo Camera

- Some functions may be unavailable or accessible via a different menu path depending on camera type. (If available, tap an indicator in Viewfinder to access the corresponding function directly.)
- If **Options** does not appear, tap **DISP** until it does.

Opening Help	In Photo Viewfinder, <b>Options</b> ➤ <b>Help</b> <ul style="list-style-type: none"> <li>Tap <b>Switch</b> to toggle Help window for Touch Panel and key assignments.</li> </ul>
Locking focus	In Photo Viewfinder, tap area on which to lock focus
Releasing shutter remotely with a Bluetooth® watch	In Photo Viewfinder, press the corresponding button on Bluetooth® watch <ul style="list-style-type: none"> <li>Connect handset to a Bluetooth® watch and set Set Remote Shutter to <b>On</b> beforehand. For details, see the Bluetooth® watch guide.</li> </ul>
Disabling remote shutter control via Bluetooth® watches	In Photo Viewfinder, <b>Options</b> ➤ <b>Shutter Settings</b> ➤ <b>Set Remote Shutter</b> ➤ <b>Off</b> <ul style="list-style-type: none"> <li>Available when a Bluetooth® watch is registered.</li> </ul>

## Photo Camera Settings (General)

Selecting Self-timer time/repeat interval	In Photo Viewfinder, <b>Options</b> ➤ <b>Self-timer</b> ➤ <b>Select time</b> <ul style="list-style-type: none"> <li>For Self Timer Camera, select time or repeat interval.</li> </ul>
Setting image size	In Photo Viewfinder, <b>Options</b> ➤ <b>Size</b> ➤ <b>Select size</b>
Setting Center Auto Focus	In Photo Viewfinder, <b>Options</b> ➤ <b>Focus</b> ➤ <b>Center Auto Focus</b>
Adjusting focus quickly for close-up shots	In Photo Viewfinder, <b>Options</b> ➤ <b>Focus</b> ➤ <b>Low Light</b>
Adjusting focus manually	In Photo Viewfinder, <b>Options</b> ➤ <b>Focus</b> ➤ <b>Manual Focus</b> ➤ <b>Adjust focus</b> <ul style="list-style-type: none"> <li>To readjust focus, tap image.</li> </ul>
Canceling Continuous AF	In Photo Viewfinder, <b>Options</b> ➤ <b>Focus</b> ➤ <b>Continuous AF</b> ➤ <b>Off</b>
Canceling Chase Focus	In Photo Viewfinder, <b>Options</b> ➤ <b>Focus</b> ➤ <b>Chase Focus</b> ➤ <b>Off</b>
Setting focus frame design	In Photo Viewfinder, <b>Options</b> ➤ <b>Focus</b> ➤ <b>Focus Mark</b> ➤ <b>Select pattern</b>
Releasing shutter when subject smiles	In Photo Viewfinder, <b>Options</b> ➤ <b>Shutter Settings</b> ➤ <b>Shutter Mode</b> ➤ <b>Egao</b>



Adjusting smile detection level	In Photo Viewfinder, <i>Options</i> ➔ <i>Shutter Settings</i> ➔ <i>Egao level</i> ➔ Select level <ul style="list-style-type: none"> <li>Lower the level when detection is slow.</li> </ul>
Releasing shutter when subject turns face to camera	In Photo Viewfinder, <i>Options</i> ➔ <i>Shutter Settings</i> ➔ <i>Shutter Mode</i> ➔ <i>Furimuki</i>
Setting shutter click sound	In Photo Viewfinder, <i>Options</i> ➔ <i>Shutter Settings</i> ➔ <i>Shutter Sound</i> ➔ Select pattern <ul style="list-style-type: none"> <li>Shutter click sounds for continuous shooting and panorama/scanner image capture are fixed.</li> </ul>
Setting image quality	In Photo Viewfinder, <i>Options</i> ➔ <i>Settings</i> ➔ <i>Picture Quality</i> ➔ Select quality
Adjusting light sensitivity	In Photo Viewfinder, <i>Options</i> ➔ <i>Settings</i> ➔ <i>ISO Sensitivity</i> ➔ Select level
Adjusting image color to lighting conditions	In Photo Viewfinder, <i>Options</i> ➔ <i>Settings</i> ➔ <i>White Balance</i> ➔ Select mode
Adjusting brightness	In Photo Viewfinder, <i>Options</i> ➔ <i>Settings</i> ➔ <i>Exposure</i> ➔ Adjust level
Selecting shake reduction option	In Photo Viewfinder, <i>Options</i> ➔ <i>Settings</i> ➔ <i>Shake Reducing</i> ➔ Select option
Capturing images in low light	In Photo Viewfinder, <i>Options</i> ➔ <i>Settings</i> ➔ <i>Long Exposure</i> ➔ Select time
Switching indicator view	In Photo Viewfinder, <i>Options</i> ➔ <i>Settings</i> ➔ <i>Display Setting</i> ➔ Select option

Selecting send option assigned to Softkey (&  )	In Photo Viewfinder, <i>Options</i> ➔ <i>Settings</i> ➔ <i>Set Send Key</i> ➔ <i>Short press</i> or <i>Long press</i> ➔ Select option <ul style="list-style-type: none"> <li>Select send option separately for each key press method.</li> </ul>
Setting save location	In Photo Viewfinder, <i>Options</i> ➔ <i>Save Settings</i> ➔ <i>Save Pictures to</i> ➔ Select option
Selecting automatic save option	In Photo Viewfinder, <i>Options</i> ➔ <i>Save Settings</i> ➔ <i>Auto Save</i> ➔ Select option <ul style="list-style-type: none"> <li>When <i>Off</i>, tap  after image capture to save.</li> </ul>
Disabling quick transition to Viewfinder after saving images	In Photo Viewfinder, <i>Options</i> ➔ <i>Save Settings</i> ➔ <i>Background Save</i> ➔ <i>Off</i>
Changing Mobile Light mode	In Photo Viewfinder, <i>Options</i> ➔ <i>Light</i> ➔ Select mode <ul style="list-style-type: none"> <li>Mobile Light goes out automatically after three minutes. Reactivate mobile camera to re-illuminate it.</li> <li>Do not use Mobile Light near people's faces or look into the light yourself.</li> </ul>

### ■ Photo Camera Settings (Tailored Cameras)

Setting continuous shooting mode	In Shooting Camera Viewfinder, <i>Options</i> ➔ <i>Continuous Type</i> ➔ Select mode
Setting Look Back Camera sound	In Look Back Camera Viewfinder, <i>Options</i> ➔ <i>Turn Sound</i> ➔ <i>Button 1</i> or <i>Button 2</i> ➔ Select sound
Setting Clock/Calendar type for Wallpaper Camera	In Wallpaper Camera Viewfinder, <i>Options</i> ➔ <i>Clock/Calendar</i> ➔ Select type



Changing panorama settings	<small>[Start Here]</small> In Panorama Camera or Scanner Camera Viewfinder, <i>Options</i> ➔ See below
	<b>Hiding Guides</b> <i>Assisting Lines</i> ➔ <i>Off</i>
	<b>Locking Display Brightness during Image Capture</b> <i>AE-Lock</i> ➔ <i>Enable</i>
Previewing panorama image	After panorama image capture, <i>Preview</i> • Available when Auto Save is <i>Off</i> .
Setting panorama image preview method	After panorama image capture, <i>Preview</i> ➔ <i>Options</i> ➔ Select method • Available when Auto Save is <i>Off</i> .
Setting exposure time for Long Exposure Camera	In Long Exposure Camera Viewfinder, <i>Options</i> ➔ <i>Long Exposure</i> ➔ Select time

### ■ Correction & Preview

Correcting portrait auto focus images	<small>[Start Here]</small> After image capture, <i>Options</i> ➔ <i>Correlate to Face</i> ➔ See below • Available when Auto Save is <i>Off</i> .
	<b>Adjusting Face/Background Brightness</b> <i>Against sun</i> ➔ <i>Apply</i>
	<b>Blurring Out-of-Focus Portions</b> <i>Portrait</i> ➔ <i>Apply</i>
Brightening backlit subjects (Dynamic Range Adjustment)	After image capture, <i>D-Range Adjustment</i> • May be unavailable or require access via Options menu depending on Auto Save setting.

Seeking guidance for better shots	After image capture,  • Follow onscreen instructions. • May be unavailable depending on Auto Save setting.
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### ■ My Camera

Deleting My Cameras	In Photo Viewfinder, <i>Options</i> ➔ <i>Switch Camera</i> ➔ <i>Highlight My Camera</i> ➔ <i>Options</i> ➔ <i>Delete My Camera</i> ➔ <i>Yes</i>
Editing My Cameras	In Photo Viewfinder, <i>Options</i> ➔ <i>Switch Camera</i> ➔ <i>Highlight My Camera</i> ➔ <i>Options</i> ➔ <i>Edit My Camera</i> ➔ <i>My Camera Name: or Note:</i> ➔ <i>Edit</i> ➔ <i>Done</i> ➔ <i>Assign</i>

### Video Camera

Opening Help	In Video Viewfinder, <i>Options</i> ➔ <i>Help</i> • Tap <i>Switch</i> to toggle Help window for indicator descriptions and key assignments.
Selecting Self-timer time	In Video Viewfinder, <i>Options</i> ➔ <i>Self-timer</i> ➔ Select time
Adjusting brightness	In Video Viewfinder, <i>Options</i> ➔ <i>Settings</i> ➔ <i>Exposure</i> ➔ Adjust level
Adjusting focus quickly for close-up shots	In Video Viewfinder, <i>Options</i> ➔ <i>Focus</i> ➔ <i>Macro</i>
Adjusting focus manually	In Video Viewfinder, <i>Options</i> ➔ <i>Focus</i> ➔ <i>Manual Focus</i> ➔ Adjust focus ➔ <i>OK</i> • To readjust focus, tap image.



Locking focus	In Video Viewfinder, frame subject in center of Display ➤ Tap subject <ul style="list-style-type: none"> <li>To start over, tap image.</li> </ul>
Setting image quality	In Video Viewfinder, <i>Options</i> ➤ <i>Settings</i> ➤ <i>Video Quality</i> ➤ Select quality
Activating automatic saving	In Video Viewfinder, <i>Options</i> ➤ <i>Save Settings</i> ➤ <i>Auto Save</i> ➤ <i>On</i>
Setting save location	In Video Viewfinder, <i>Options</i> ➤ <i>Save Settings</i> ➤ <i>Save Videos to</i> ➤ Select option
Activating Mobile Light	In Video Viewfinder, <i>Options</i> ➤ <i>Light</i> ➤ <i>On</i> <ul style="list-style-type: none"> <li>Mobile Light goes out automatically after three minutes. Reactivate mobile camera to re-illuminate it.</li> <li>Do not use Mobile Light near people's faces or look into the light yourself.</li> </ul>
Capturing images while recording video (still image capture)	While recording, <i>Capture Image</i> <ul style="list-style-type: none"> <li>Captured images are saved when saving recorded clip; open them via Review or Data Folder.</li> </ul>
Setting recording size	In Video Viewfinder, <i>Options</i> ➤ <i>Time/Size</i> ➤ <i>For Message</i> or <i>Extended Video</i> ➤ Select size <ul style="list-style-type: none"> <li>Selectable item depends on camera type.</li> </ul>
Enlarging Viewfinder size	In Video Viewfinder, <i>Options</i> ➤ <i>Display Size</i> ➤ <i>Enlarge</i>

Recording video without sound	In Video Viewfinder, <i>Options</i> ➤ <i>Settings</i> ➤ <i>Microphone</i> ➤ <i>Off</i>
Setting video encoding	In Video Viewfinder, <i>Options</i> ➤ <i>Save Settings</i> ➤ <i>Video Encode</i> or <i>Audio Encode</i> ➤ Select option <ul style="list-style-type: none"> <li>Selectable item depends on camera type.</li> </ul>
Disabling shake reduction	In Video Viewfinder, <i>Options</i> ➤ <i>Shake Reducing</i> ➤ <i>Off</i>
Prioritizing video frame rate	In Video Viewfinder, <i>Options</i> ➤ <i>Save Settings</i> ➤ <i>Picture Setting</i> ➤ <i>Prio Motion</i>

## Album

Changing album covers	<small>Start Here</small> <i>MENU</i> ➤ <i>Camera</i> ➤ <i>Album</i> ➤ Select category ➤ Highlight album ➤ <i>Options</i> ➤ <i>Change a Cover</i> ➤ See below
	Selecting from All Images Within <i>Select Picture List</i> ➤ Select image
	Using Latest Image <i>Latest Picture</i>
Sorting albums	<i>MENU</i> ➤ <i>Camera</i> ➤ <i>Album</i> ➤ Select category ➤ Select album ➤ <i>Options</i> ➤ <i>Sort</i> ➤ Select option
Opening album properties	<i>MENU</i> ➤ <i>Camera</i> ➤ <i>Album</i> ➤ Select category ➤ Highlight album ➤ <i>Options</i> ➤ <i>Details</i>



## Editing Images

## Picture Editor

Using additional editing options	[Start Here] MENU ➔ Data Folder ➔ Pictures ➔ Highlight file ➔ Options ➔ Edit ➔ Picture Editor ➔ See below
	<b>Changing Text/Outline Color</b> paste ➔ Color ➔ Select text color ➔ Select outline color ➔ Done
	<b>Adding Text</b> paste ➔ Free Text ➔ Enter text ➔ Done ➔ Adjust position ➔ Assign
	<b>Adding Dates</b> paste ➔ Date ➔ Adjust position ➔ Assign
	<b>Adding Stamps</b> stamp ➔ Select stamp ➔ Adjust position ➔ Assign
	<b>Correcting Image Parameters</b> correct ➔ Select type ➔ Assign
	<b>Rotating Images</b> rotate ➔ Select type ➔ Assign
	<b>Converting File Format</b> format ➔ File Format ➔ Select format <ul style="list-style-type: none"> <li>Changing file format may affect file size/image quality.</li> <li>To return to Picture Editor menu, tap <b>CLEAR/BACK</b>.</li> </ul>
	<b>Changing File Size</b> format ➔ File Size ➔ Select size <ul style="list-style-type: none"> <li>Changing file size may affect image quality.</li> <li>To return to Picture Editor menu, tap <b>CLEAR/BACK</b>.</li> </ul>

## Composite

Combining reduced images	[Start Here] MENU ➔ Data Folder ➔ Pictures ➔ Highlight file ➔ Options ➔ Edit ➔ Composite ➔ See below
	<b>Creating Split Picture</b> SplitPicture 480x1024 or SplitPicture 240x320 <ul style="list-style-type: none"> <li>&lt;Empty&gt; ➔ Select file ➔ When finished, Save ➔ Enter name ➔ Done ➔ Save here</li> <li>Repeat from selecting &lt;Empty&gt; as needed.</li> </ul>
	<b>Previewing Split Picture</b> While creating Split Picture, Options ➔ View Composite
	<b>Changing Images</b> While creating Split Picture, select file ➔ Change ➔ Select another
	<b>Deleting Images</b> While creating Split Picture, highlight file ➔ Options ➔ Remove ➔ Yes
<b>DPOF</b>	
Changing print settings	[Start Here] MENU ➔ Settings ➔ Phone/📱 tab ➔ Memory Card ➔ DPOF ➔ See below
	<b>Adding Dates to Prints</b> Settings ➔ Add Date ➔ On
	<b>Creating an Index Print</b> Settings ➔ Index Print ➔ On
	<b>Resetting</b> Reset Settings ➔ Yes



## Mobile Camera

### Mobile camera won't activate/ shuts down automatically

- Battery may be low. Charge battery or install a charged battery.
- Leaving handset at high temperature may cause camera area to heat up, disabling mobile camera activation; wait a while and retry.
- Prolonged camera use may cause camera area to heat up, resulting in automatic shutdown; wait a while and retry.

### Cannot use Background Save or Auto Save

- Background Save/Auto Save is not available when Save Pictures to is set to **Ask Each Time**.

### Display went dark during image capture

- 941SH camera has built-in mechanical shutter and ND filter. Strong shocks to handset during image capture may close mechanical shutter for camera protection, resulting in blank Viewfinder. Reactivate mobile camera to reopen the shutter.

### Image is dark or distorted

- Avoid capturing strong light sources (sun, lamps, etc.) in the background.

### Captured image appears all white

- When Long Exposure is active, images captured in daylight or good light appear all white.

## Editing Images

### Cannot save/send edited images

- Edited images may be too large to save or send via mail.

## DPOF

### Cannot specify print settings properly

- If Memory Card image files have been deleted or renamed on PCs or other devices, reset print settings and start over with settings.



## Photo Camera Terms

### ? Center Auto Focus

- Camera automatically selects center of the framed image as point of focus (P.8-28).

### ? Continuous AF

- Focus continuously adjusts as focus-locked subject's position changes (P.8-7, P.8-28).

### ? Chase Focus

- Focus tracks focus-locked subject as it moves within framed image (P.8-7, P.8-28).

### ? Self-timer

- Releases shutter automatically after selected time elapses (P.8-28).

### ? Long Exposure

- Capture images in low light (fireworks, night scenes, etc.) (P.8-10). Stabilize handset to reduce camera shake.

### ? ISO Sensitivity

- Adjust light sensitivity (P.8-29). Higher ISO brightens low light images, but increases noise, making images grainy.

### ? White Balance

- Select a mode (Daylight, Tungsten, Fluorescent, etc.) to adjust image color to lighting conditions (P.8-29).

