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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.

Select Camera

942SH is loaded with preset camera modes tailored for various purposes/occasions; select a camera mode to suit subject/shooting conditions.

Review

Open/play last saved mobile camera file quickly with a single key; access older files 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.

Internal & External Cameras

- Use Internal Camera or External Camera; unless noted otherwise, operations in this chapter are described for External Camera.
 - May be unavailable depending on camera mode, etc.

Advanced

- Changing function assigned to Camera Key ()
- Opening Help (P.8-24)



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 & Conditions	Scene Cameras	Select one according to subject/shooting conditions	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



		Description	Focus Mode	Size
Auto Shutter Release	Look Back Camera	Play whistle 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)	Wallpaper
	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	In Camera	Capture with Internal Camera	—	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

Follow these steps to capture someone's image using **Easy Auto Camera**:

1 ➔ Frame subject on Display

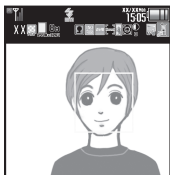



Photo Viewfinder

- Focus is locked on faces automatically for Easy Auto Camera, Pro Auto Camera, etc. (Portrait auto focus)
 - When multiple faces are detected, frame appears on each face; use  to select one on which to lock focus.
 - Detection may fail depending on face angle, distance from subject or environment.

2



Captured Image Window



- Shutter clicks; captured image is saved.
- Open saved images via Review or Data Folder.

3



- Viewfinder returns.

4 ➔ Camera shuts down

Sending Captured Images at High Speed via Infrared

[Captured Image Window]  (Long)
➔ Yes ➔ 

- Set recipient device to ready beforehand.

Sending Captured Images via Mail
[Captured Image Window]  ➔
Complete message ➔ 

Detect Personal

- Register name, note, etc. for faces; entered information appears in Viewfinder upon face detection.

Mobile Light

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

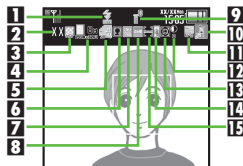
[Photo Viewfinder]  ➔ **Mobile Light** ➔  ➔ **Off** ➔ 

Advanced

-  ● Selecting Self-timer time/repeat interval ● Changing image size ● Changing focus frame design ● Changing shutter click sound ● Changing save location ● Changing Mobile Light mode (And more on P.8-24 - 8-25)




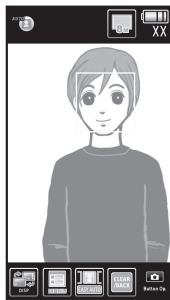
Photo Viewfinder Indicators




1	Mobile Light	8	White Balance
2	Memory	9	Remote Shutter
3	Picture Quality	10	Background Save
4	Picture Size		Save to
5	Continuous Type	11	Auto Save
	Long Exposure	12	Exposure
6	Scene	13	Focus
7	ISO Sensitivity	14	Shake Reducing
	Self-timer	15	Shutter Mode

Showing Large Indicators


Press  in Photo Viewfinder to show large indicators along the edges of Display.









Press  to toggle indicator view (Icon On, Icon Off and Guidance).


Accessing Settings via Indicators

While indicators appear, use  to select function .

- Press  to toggle functions.

Pre-Image Capture Operations

Zoom In/Out	
Toggle Mode	 (Long)*
Adjust Brightness	
Change Image Size	
Toggle Mobile Light Mode	
Open Help	

*Toggle between External Video Camera, Internal Photo Camera, Internal Video Camera and External Photo Camera. Press  to open Options menu for more functions/settings.

Advanced

-  ● Correcting portrait auto focus images (And more on P.8-26)

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



- Focus Lock is set.



- Captured image appears.
- Press  to return to Viewfinder.

Canceling Focus Lock

- 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

942SH Picture Size & Corresponding Print/Display Size:

8M	A4 prints
5M	B5 prints
3M	L to 2L prints
Full HD	Full HD display wallpaper*
Wallpaper	942SH Wallpaper
VGA	VGA display wallpaper*
QVGA	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.





Selecting Camera by Use

Switching Cameras

- 1 In Photo Viewfinder,   **Switch Camera**  



- Press  to toggle lists.
- Alternatively, in Main Menu, **Camera**  **Various Cameras** to select camera.

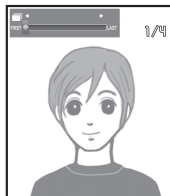
- 2 **Select camera**  

- Selected camera activates.
- For subsequent operations, see "Using Selected Camera."


Using Selected Camera

Shooting Camera



- 1 **Frame subject on Display**  





- After image capture, the first preview image appears.

- 2  **(Long)**
- All captured images are saved.

Saving Selected Images

- After 1,  (select image)  

Look Back Camera

- 1 **Frame subject on Display**  
- Whistle sound plays.

- 2 **Shutter is released upon face detection; image is saved**

- 3 
- Viewfinder returns.





Smile Camera

- 1 **Frame subject on Display**

- 2 **Shutter is released upon smile detection; image is saved**

- 3 
- Viewfinder returns.

Advanced

-   Adjusting smile detection level  Changing continuous shooting mode  Changing Look Back Camera sound (P.8-25)

Self Timer Camera

1 Frame subject on Display



- Countdown starts.

2 Shutter is released after approximately ten seconds; image is saved



- Viewfinder returns.

Wallpaper Camera

1 Frame subject on Display



- Wallpaper preview appears.



- Image is set as Wallpaper. (Viewfinder returns.)

Auction Camera

1 Frame subject on Display



- First preview image appears.



- Repeat 1 - 2 to capture two more images following onscreen instructions.



Messaging Camera

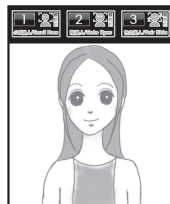
1 Frame subject on Display



- Mail Composition window opens. Complete and send message.

Pretty Arrange Camera

1 Frame subject on Display



- Face is touched up.



- Viewfinder returns.

Adjusting Each Effect Separately

After 2, 1 (Small Face), 2 (Cute Eyes) or 3 (Fair Skin) → 3

- Press the same key repeatedly for further adjustment.

Editing Images

After 1, 1

- For more, see P.8-19 "Picture Editor."

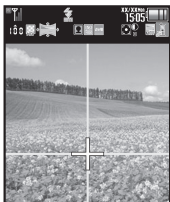
Advanced

- Selecting Self-timer time/repeat interval (P.8-24)
- Changing Clock/Calendar type for Wallpaper Camera (P.8-25)




■ Panorama Camera

1 Frame subject on Display ➔ ●



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

3 ●

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

■ Self Portrait Camera

1 Frame your face on Display ➔ Face is detected

2 Shutter is released after approximately two seconds; image is saved

3 ●

- Viewfinder returns.

Advanced

- Changing panorama/scanner settings
- Previewing panorama image
- Changing panorama image preview method
- Changing exposure time for Long Exposure Camera (P.8-26)

■ 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
Scanner Camera	Frame subject on Display ➔ ● ➔ Move handset slowly to scan the area to capture ➔ ●



Changing & Saving Camera Settings


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

- Some settings may be unavailable depending on camera mode (no corresponding indicators appear).
- For setting procedures, see **P.8-24 - 8-25**. In addition to these, there are settings unique to each tailored camera.

Major Items

		Description
Focus	Focus Mode	Select from Normal(Portrait) , Center Auto Focus , Spot Auto Focus , Macro and Manual Focus
	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 Pattern 1 to Pattern 6
Shutter	Self-timer	Select 10 sec. , 5 sec. , 2 sec. or Off
	Shutter Mode	Select from Normal (manual), Egao (smile detection) and Furimuki (face detection)
	Shutter Sound	Select shutter click sound from Pattern 1 to Pattern 3
Image Size & Quality	Picture Size	Select image size from 8M(2448x3264) to QVGA(240x320)
	Picture Quality	Select image quality from High Quality , Fine and Normal



		Description
Conditions	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 Settings	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
Other	Shake Reducing	Select shake reduction option from Auto , Auto(Strong) and Off
	Display Setting	Select indicator view from Guidance , Icon On and Icon Off
	Set Send Key	Select send option assigned to 



Changing Settings

Example: Picture Size

1 In Photo Viewfinder,



2 Picture Size

3 Select size

- Viewfinder returns.

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.

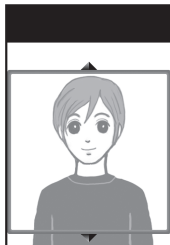
Saving as My Camera

1 In captured image window,

➔ Save as My Camera

- Messages appear.

2 Specify image area



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

3

4 My Camera Name:

5 Enter name

6

- My Camera is created.

Entering Information

After 5, Note:  ➔ Enter text 

 ➔ 6

Using My Cameras

1 In Photo Viewfinder, ➔

Switch Camera 

2 ➔ Select My Camera

Advanced

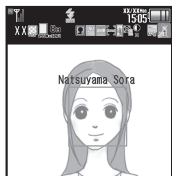
-   Deleting My Cameras
-  Editing My Cameras (P.8-26)



Registering Faces (Detect Personal)

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

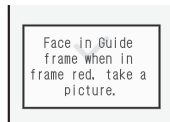
- Register name, note and priority for up to ten faces.
- When multiple registered faces are detected, focus is locked to one with highest priority.



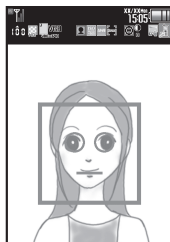
Viewfinder Information

Saving Entries

- 1 In Photo Viewfinder,
- 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*





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

Entering Information

After ⑧, **Note:** → ● → Enter text → ● → ⑨

Setting Text Color

After ⑧, **Font Color:** → ● → Select color → ● → ⑨

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

Editing Entries

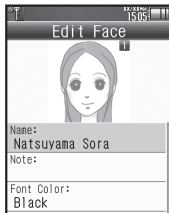
1 In Photo Viewfinder, ①

2 **Detect Personal** → ● → **Edit Face** → ●



Edit Face Window

3 Select entry → ●



4 Select item → ● → Edit in the same manner as saving entries

5 ②

- Entry is overwritten.

Deleting/Moving Entries

Follow these steps to delete an entry:

1 In Edit Face window, select entry → ①

2 **Delete** → ● → **Yes** → ●

- Entry is deleted.

Moving Entries (Changing Priorities)

After ①, **Change Priority** → ● → Select target location → ●

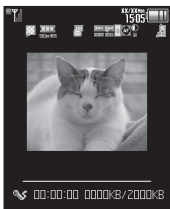


Recording Video

Follow these steps to record short video using *Video Camera for Mail*:

1 → **Camera** →

2 **Video Camera for Mail** →



Video Viewfinder
(Video Camera for Mail)

3 **Frame subject on Display**
→

- Recording starts after a tone.

4



5 **Save** →

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

6 → **Camera shuts down**

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] → **Simple Setting** → → **Select video camera** →

Using Fine Video Camera without Memory Card

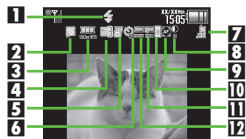
- Storage media options appear when is pressed to start recording; select **To Phone Memory** and press .

Advanced

- Adjusting focus quickly for close-up shots
- Changing image quality
- Activating Mobile Light
- Capturing images while recording video (still image capture)
- Changing recording size (And more on **P.8-27**)



Video Viewfinder Indicators



1	Mobile Light	7	Save to
2	Video Quality	8	Exposure
3	Record Size	9	Focus
4	Memory for still image capture	10	Shake Reducing
5	Record Time	11	Audio Encode
6	Self-timer	12	Video Encode

Operations in Video Viewfinder

Zoom In/Out	
Toggle Mode	(Long) ¹
Adjust Brightness	
Toggle External Camera and Internal Camera	
Toggle Mobile Light Mode	
Change Quality	
Pause/Resume Recording	While Recording,
Capture Still Images	While Recording,
Cancel Recording (Start Over)	
Open Help	

¹Toggle between Internal Photo Camera, Internal Video Camera, External Photo Camera and External Video Camera.

²Fine Video Camera only. (May be unavailable depending on recording size.) Press to open Options menu for more functions/settings.



Opening Saved Files via Review

Opening Last Saved File

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

- 1 → **Camera** →
- 2 **Review** →



Review Window

- To end Review, press .

Enlarging Images

After ,

Pausing/Resuming Video

After , (press to pause/resume)

Opening Help

[Review Window]

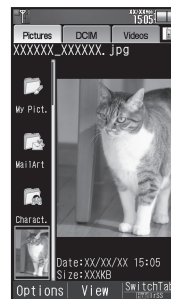
Opening from Viewfinder

[Photo Viewfinder]/[Video Viewfinder]

(Long)

Accessing Older Files

- 1 In Review window,



Review File List

- File list appears.
- Press to toggle lists.

- 2 **Select file** →

- File opens/plays.



Picture Editor

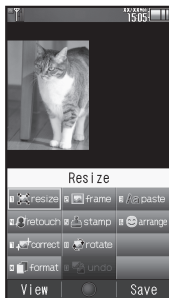
Picture Editor Options

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
File Format	Convert file format and change file size

Basic Operation

- 1 → **Data Folder** →
- 2 **Pictures** → → **Select image** →
- 3 → **Edit** →
- 4 **Picture Editor** →



Picture Editor Menu

- 5 **Select effect** → → **Edit**
 - To start over, press .
- 6 **When finished,**
- 7 **Save as New** →
 - To overwrite, select **Overwrite** and press . (Omit .)
- 8 **Enter name** → → **Save here** →

Canceling Effects

- After , **Undo** →
 - To restore effect immediately after canceling, select **Redo** and press .

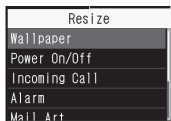


Changing Image Size

Select from preset sizes or crop image.

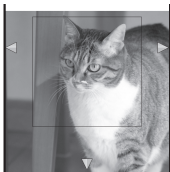
Resize to Preset Size

- 1 In Picture Editor menu, **Resize** ➔ ●



Resize Window

- 2 Select size ➔ ●
- 3 Specify image area



• If crop frame does not appear, omit 3.

- 4 ●

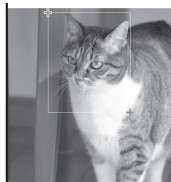
• Editing is complete.

Zooming In/Out

After ③, ④ ➔ ④ ➔ ④

Cropping Images

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



- 3 Move + to the lower right corner of the portion to crop ➔ ●

- 4 ●

• Editing is complete.

Specifying Image Area

After ③, ④ ➔ ④

Zooming In/Out

After ③, ④ ➔ ④ ➔ ④

Applying Visual Effects

Render in sepia tones or add blur, etc.

- 1 In Picture Editor menu, **Retouch** ➔ ●
 - 2 Select effect ➔ ●
 - 3 ●
- Editing is complete.

Adding Frames

- 1 In Picture Editor menu, **Frame** ➔ ●
 - 2 Select frame ➔ ●
 - 3 ●
- Editing is complete.

Advanced

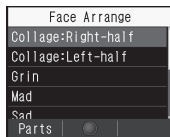
● Using additional editing options (P.8-28)



Face Arrange

Make faces smiley, sad, etc.

1 In Picture Editor menu, **Face Arrange** → ●



Face Arrange Menu

2 Select type → ●

3 ●

- 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, ●

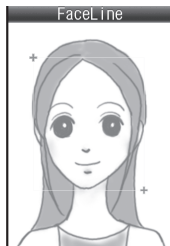


- A rectangle appears with + in the upper left corner.

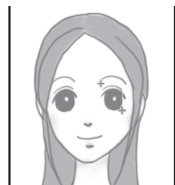
2 ● Move + to top left of face



3 ● Move + to bottom right of face



4 ●



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

5 ● → 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.

Split Picture	Combine up to four images into one
Merge Panorama	Combine two still images into one

Panorama Images

Panorama Image Effects:

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

- 1 → **Data Folder** →
- 2 **Pictures** → → **Select image** →
- 3 → **Edit** →
- 4 **Composite** →

5 Merge Panorama →



- File selected in 2 is set as left image.

6 <Empty> → → **Select image** →

7 EFFECT → → **Select effect** →

- Editing is complete.

8 When finished,

- Merged image appears.

9

10 Enter name → → **Save here** →

Changing Images

After , select image → → → →

Select image →

Switching Image Positions

After 6,

Advanced

- Combining reduced images (P.8-28)



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.

- 1 → **Settings** → → → → **Phone**
- 2 **Memory Card** → → → **DPOF** →
- 3 **Number of Copies** →
- 4 **For Each Picture** → → → **Select folder** →

5 Select image →



6 Enter a number of copies to print →

- For more settings, repeat 5 - 6.

7

Applying a Number to All Images
 In 4, **For All Pictures** → → Enter a number of copies to print →

Canceling Specified Number
 In 6, enter 00 → →

Viewing Current Print Settings
 In 6, **Check Settings** →

Advanced

Changing print settings (P.8-28)

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.

- 1 → **Data Folder** → → **Pictures** →
- 2 **Select image** → → **Print** →
- 3 **Via Bluetooth** → → **Select printer** →
- 4 **Yes** →
 - To cancel, press .

When Authorization Code is Required
 Enter Authorization Code →



General

Changing function assigned to Camera Key ()	<ul style="list-style-type: none"> ● ➔ <i>Camera</i> ➔ ● ➔ <i>Set Camera Key</i> ➔ ● ➔ <i>Select function</i> ➔ ●
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Photo Camera

Some functions may be unavailable or accessible via a different menu path depending on camera mode.














Opening Help	In Photo Viewfinder,  ➔ <i>Help</i> ➔ ●
Releasing shutter remotely with a Bluetooth® watch	<p>In Photo Viewfinder, press the corresponding button on Bluetooth® watch</p> <ul style="list-style-type: none"> ● Connect handset to a Bluetooth® watch and set Set Remote Shutter to <i>On</i> beforehand. For details, see the Bluetooth® watch guide.
Disabling remote shutter control via Bluetooth® watches	<p>In Photo Viewfinder,  ➔ <i>Shutter Setting</i> ➔ ● ➔ <i>Set Remote Shutter</i> ➔ ● ➔ <i>Off</i> ➔ ●</p> <ul style="list-style-type: none"> ● Available when a Bluetooth® watch is registered.

Photo Camera Settings (General)

Selecting Self-timer time/ repeat interval	<p>In Photo Viewfinder,  ➔ <i>Self-timer</i> ➔ ● ➔ <i>Select time</i> ➔ ●</p> <ul style="list-style-type: none"> ● For Self Timer Camera, select time or repeat interval.
Changing image size	<p>In Photo Viewfinder,  ➔ <i>Picture Size</i> ➔ ● ➔ <i>Select size</i> ➔ ●</p>
Setting Center Auto Focus	<p>In Photo Viewfinder,  ➔ <i>Focus Setting</i> ➔ ● ➔ <i>Center Auto Focus</i> ➔ ●</p>
Specifying point of focus manually	<p>In Photo Viewfinder,  ➔ <i>Focus Setting</i> ➔ ● ➔ <i>Spot Auto Focus</i> ➔ ●</p> <ul style="list-style-type: none"> ● A frame appears on Display; use  to move frame over target point of focus.
Adjusting focus quickly for close-up shots	<p>In Photo Viewfinder,  ➔ <i>Focus Setting</i> ➔ ● ➔ <i>Macro</i> ➔ ●</p>
Adjusting focus manually	<p>In Photo Viewfinder,  ➔ <i>Focus Setting</i> ➔ ● ➔ <i>Manual Focus</i> ➔ ● ➔ <i>Adjust focus</i> ➔ ●</p> <ul style="list-style-type: none"> ● To readjust focus, press .
Canceling Continuous AF	<p>In Photo Viewfinder,  ➔ <i>Focus Setting</i> ➔ ● ➔ <i>Continuous AF</i> ➔ ● ➔ <i>Off</i> ➔ ●</p>
Canceling Chase Focus	<p>In Photo Viewfinder,  ➔ <i>Focus Setting</i> ➔ ● ➔ <i>Chase Focus</i> ➔ ● ➔ <i>Off</i> ➔ ●</p>
Changing focus frame design	<p>In Photo Viewfinder,  ➔ <i>Focus Setting</i> ➔ ● ➔ <i>Focus Mark</i> ➔ ● ➔ <i>Select pattern</i> ➔ ●</p>



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

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

■ Photo Camera Settings (Selected Camera)

Changing continuous shooting mode	In Shooting Camera Viewfinder, \rightarrow Continuous Type \rightarrow \rightarrow Select mode \rightarrow
Changing Look Back Camera sound	In Look Back Camera Viewfinder, \rightarrow Turn Sound \rightarrow \rightarrow Select sound \rightarrow
Changing Clock/Calendar type for Wallpaper Camera	In Wallpaper Camera Viewfinder, \rightarrow Clock/Calendar \rightarrow \rightarrow Select type \rightarrow



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

■ Correction & Preview

Correcting portrait auto focus images	[Start Here] After image capture, ➔ <i>Correlate to Face</i> ➔ ➔ See below • Available when Auto Save is <i>Off</i> .
	Adjusting Face/Background Brightness <i>Against sun</i> ➔ ➔
	Blurring Out-of-Focus Portions <i>Portrait</i> ➔ ➔
Brightening backlit subjects (Dynamic Range Adjustment)	After image capture, • 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.
Checking image details before saving	After image capture, [1-9] - [2-9] (Long) • Available when Auto Save is <i>Off</i> or <i>On(Preview Manual)</i> . • Use to see other portions enlarged. Press to enlarge further. Press to cancel. • Key Assignments: ■ Portrait [1-3] (Upper Left) [2-4] (Upper Center) [3-5] (Upper Right) [4-6] (Center Left) [5-7] (Center) [6-8] (Center Right) [7-9] (Lower Left) [8-3] (Lower Center) [9-2] (Lower Right) ■ Landscape (rotated 90 degrees counterclockwise) [3-5] (Upper Left) [6-2] (Upper Center) [9-3] (Upper Right) [2-5] (Center Left) [5-3] (Center) [8-2] (Center Right) [1-3] (Lower Left) [4-2] (Lower Center) [7-2] (Lower Right) • May be unavailable depending on image size, etc.

■ My Camera

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



Video Camera	
Opening Help	In Video Viewfinder, → Help → ● <ul style="list-style-type: none"> Press to toggle Help window for indicator descriptions and key assignments.
Selecting Self-timer time	In Video Viewfinder, → Self-timer → ● → ● Select time → ●
Adjusting brightness	In Video Viewfinder, → Settings → ● → ● Exposure → ● → Adjust level
Adjusting focus quickly for close-up shots	In Video Viewfinder, → Focus Setting → ● → Macro → ●
Adjusting focus manually	In Video Viewfinder, → Focus Setting → ● → Manual Focus → ● → Adjust focus → ● <ul style="list-style-type: none"> To readjust focus, press again.
Locking focus	In Video Viewfinder, <ul style="list-style-type: none"> Frame subject in center of Viewfinder first. To start over, press again.
Changing image quality	In Video Viewfinder, → Settings → ● → ● Video Quality → ● → Select quality → ●
Activating automatic saving	In Video Viewfinder, → Save Setting → ● → Auto Save → ● → On → ●
Changing save location	In Video Viewfinder, → Save Setting → ● → Save Videos to → ● → Select option → ●

Activating Mobile Light	In Video Viewfinder, → Mobile Light → ● → On → ● <ul style="list-style-type: none"> Mobile Light goes out automatically after three minutes. Reactivate mobile camera to re-illuminate it. Do not use Mobile Light near people's faces or look into the light yourself.
Capturing images while recording video (still image capture)	While recording , <ul style="list-style-type: none"> Captured images are saved when saving recorded clip; open them via Review or Data Folder.
Changing recording size	In Video Viewfinder, → Record Time/Size → ● → For Message or Extended Video → ● → ● Select size → ● <ul style="list-style-type: none"> Selectable item depends on camera mode.
Enlarging Viewfinder size	In Video Viewfinder, → Display Size → ● → Enlarge → ●
Recording video without sound	In Video Viewfinder, → Settings → ● → ● Microphone → ● → Off → ●
Changing video encoding	In Video Viewfinder, → Save Setting → ● → Video Encode or Audio Encode → ● → ● Select option → ● <ul style="list-style-type: none"> Selectable item depends on camera mode.
Disabling shake reduction	In Video Viewfinder, → Shake Reducing → ● → Off → ●
Prioritizing video frame rate	In Video Viewfinder, → Save Setting → ● → Picture Setting → ● → Prio Motion → ●



Editing Images

Picture Editor

Using additional editing options

[Start Here] → Data Folder → Pictures →

Select file → Edit →

Picture Editor → See below

Changing Text/Outline Color

Paste → Select text color →

Select outline color →

Adding Text

Paste → Free Text → Enter text →

Move text →

Adding Dates

Paste → Date → Move date →

Adding Stamps

Stamp → Select stamp → Move

stamp →

Correcting Image Parameters

Correction → Select type →

Rotating Images

Rotate → Select type →

Converting File Format

File Format → File Format →

Select format →

- Changing file format may affect file size/image quality.

- To return to Picture Editor menu, press [Back].

Changing File Size

File Format → File Size → Select

size →

- Changing file size may affect image quality.

- To return to Picture Editor menu, press [Back].

Composite

[Start Here] → Data Folder → Pictures →

Select file → Edit →

Composite → See below

Creating Split Picture

SplitPicture 480x854 or SplitPicture 240x320 →

<Empty> → Select file →

When finished, Enter name → Save

here →

- Repeat from selecting <Empty> as needed.

Previewing Split Picture

While creating Split Picture, View

Composite →

Changing Images

While creating Split Picture, select image →

Select another →

Deleting Images

While creating Split Picture, select image →

Remove → Yes →

Combining reduced images

DPOF

[Start Here] → Settings → Phone/SP →

Memory Card → DPOF → See below

Adding Dates to Prints

Settings → Add Date → On →

Creating an Index Print

Settings → Index Print → On →

Resetting

Reset Settings → Yes →

Changing print settings



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

- 942SH 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.8-24).

? Continuous AF

- Focus continuously adjusts as focus-locked subject's position changes (P.8-7, P.8-24).

? Chase Focus

- Focus tracks focus-locked subject as it moves within framed image (P.8-7, P.8-24).

? Self-timer

- Releases shutter automatically after selected time elapses (P.8-24).

? 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.8-25). 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.8-25).

