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7

Camera & Imaging



Getting Started

Capture still images or record video.

Various Image Sizes

Select small sizes to send captured images/recorded video via S! Mail*; select larger sizes for higher resolutions.

Multiple Shooting Modes

Apply effect or add frame, capture sequential/panoramic or scan images, or use long exposure.

Auto Focus

Measures the distance between subjects and camera to adjust focus.

Imaging Functions

Edit captured images or print on a compatible printer.

*May not be delivered as sent depending on image/recording size or recipient device.

Precautions

- Clean dust/smudges from lens cover with a soft 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.
- Subjecting the lens to direct sunlight will damage the camera's color filter.

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 describe External Camera.

Sizes are limited and shooting modes are not available for Internal Camera.

Camera Key

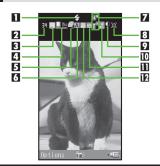
Press • in Standby to activate mobile camera. (Last used Viewfinder appears first.)

Press 'Y' to toggle Photo Viewfinder and Video Viewfinder.

Display Indicators

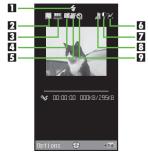
The following indicators appear at the top of Display.

Photo Viewfinder



ĺ	1	Mobile Light	8	Focus
ĺ	2	Memory	9	Exposure
ĺ	3	Picture Quality	10	Background Save
ĺ	4	Picture Size	Ш	Save to
Ī	5	Continuous Shoot	Ш	White Balance
ĺ	6	Scene	ISO Sensitivity	
	U	Long Exposure	Ľ	Self-timer
ĺ	7	Remote Shutter		

Video Viewfinder



1	Mobile Light	5	Record Time
2			Focus
3	Record Size	7	Exposure
4	Memory for still image capture	8	Save to
4	image capture	9	Self-timer



Capturing Still Images





Photo Viewfinder

- Frames appear on detected faces. (Face Auto Focus)
- Viewfinder orientation changes with Display orientation.



Frame image on Display **▶ ●**





⇒ Camera shuts down

• Detection may fail depending on face angle, distance from subject or environment.

Sending Captured Images via S! Mail After ②, ▼ → Complete message

■ May not be delivered as sent depending on image size or recipient device.

Image Save Window

 Shutter clicks and the captured image appears. (To discard file and start over, press ...)





- Image is saved. (Viewfinder returns for another shot.)
- Open saved images via Data Folder.

Pre-Image Capture Operations

Zoom In/Out	()
Toggle Mode	\\\Y?
Adjust Image Brightness	⊙ /⊙
Change Image Size	≈5 €
Toggle Mobile Light Mode	\$ # [@] / ¥0
Toggle Internal Camera and External Camera	A B
Open Help	20



- - Adjusting camera's light sensitivity
 Correcting Face Auto Focus images
 Changing image size
 Changing mode according to lighting or subject

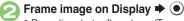
Recording Video





Video Viewfinder

• For pre-recording operations, see P.7-4 "Pre-Image Capture Operations."



· Recording starts after a tone. (To start over, press .)







Video Save Menu

 Recording stops with a tone. (To discard file and start over, press [355].)



- Video is saved. (Viewfinder returns for another shot.)
- Play saved video via Data Folder or Media Player.



Pausing Recording

After @, \(\mathbb{Y} \) (press repeatedly to pause/resume)

■ May be unavailable depending on recording size.

Playing Unsaved Video

In ②, Preview

●

Sending Recorded Video via S! Mail In ②, Send ▶ (•) ▶ Save and Send

♦ Complete message

™

■ May not be delivered as sent depending on recording size or recipient device.

Capturing Images while Recording Video (Still Image Capture)

After 2,

■ Captured images are saved when saving recorded clip; open them via Data Folder.

Incoming Calls

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

When Battery Runs Low

Recording stops. (Recorded clip is saved.)





Opening Saved Files







Review Window

 Last saved mobile camera file opens/ plays. For still images, press to zoom in.

Pausing/Resuming Video
After ②, ● (press repeatedly to

pause/resume)

Reviewing Immediately After Saving

(Long)

Opening Help

[Review Window]

→ Help → ●

Accessing Older Files

- በ In Review window, 👻
 - List appears; press repeatedly to toggle lists.
- Select file 🕈 💿

Accessing Files from Viewfinder

- In Photo/Video Viewfinder,

 ☑ ▶ Data Folder ▶ ●
- Select file > •

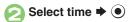


Using Shooting Modes

May be unavailable depending on selected image/recording size.

Self-timer







Frame image on Display

◆ After selected time elapses, captured image appears or recording starts.

• To stop recording, press .

Releasing Shutter during Countdown After ②, •

Incoming Calls/Alarm during Countdown

Countdown stops. (Self-timer remains active.)

Continuous Shoot (Photo Camera)

Available Modes:

4 Pictures	Capture four separate images with Index Image
9 Pictures	Capture nine separate images with Index Image
Overlapped	Capture five images to create a composite image



Mode Menu

- Continuous Shoot → ●
- Select mode → Select speed → ●
- Frame image on Display

 After image capture, Index Image or a composite image appears.
 - When shooting speed is set to Manual (4 Pictures and 9 Pictures modes), repeat for each frame.



All Pictures **→** ●

• All captured images are saved.

Saving the Selected Image

After ②, ⓒ (select image) ▶ ● ▶

Selected Picture ▶ ●

Adding Frames (Photo Camera)

- In mode menu, *Add Frame*→ (•)
- Preset Frames

 Select frame

 O

 O
- Frame image on Display •

Captured image appears.

Using Frames in Data Folder In ②, Data Folder → ③ → Select frame → ⑥ → ⑥

Camera Effects (Photo Camera)

- In mode menu, Camera

 Effects

 ●
- Select effect → ●
- Frame image on Display 🕈 💿
 - Captured image appears.





Long Exposure (Photo Camera)

Capture low-light shots (fireworks, night scenes, etc.) clearly.

- In mode menu, Long Exposure **→ ●**
- *On* **⇒ (•)**
 - Frame image on Display **→**



 Shutter is left open for an extended period of time, then captured image appears.

Panorama Picture (Photo Camera)

In mode menu. Panorama/ Scanner

◆ (●)



Panorama/Scanner Menu

- Panorama Picture

 ◆

 ◆ On **⇒** (•)
- Frame image on Display **→**



- Move handset slowly to keep ☆ aligned with either of yellow lines.
- Image is captured automatically when the bar () turns blue.





Save Menu

- Image is captured and Save menu opens.
- Save **→** (•)
 - Image is saved.

Checking Unsaved Images

[Save Menu] Preview

●

Sending Captured Images via S! Mail [Save Menu] Send → ● Save and

Scanning Images (Photo Camera)

- In Panorama/Scanner menu, Scanner **→** (●)
- Select size **→** (•) **→** Frame image on Display

 ◆

 ●



- Move handset slowly to scan the area to capture. (Refer to indicators on Display.)
- - Image is captured and Save menu opens.
- *Save* **→** (•)
 - Image is saved.

Handling Captured Images

 Preview or send them via S! Mail in the same way as Panorama Picture images.



Editing Images

Getting Started

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

■ Picture Editor

Resize	Select from preset sizes or crop image for size
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

■ Composite

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

Picture Editor

- 🚺 ➡ Data Folder ➡ ●
- Pictures

 Select image

 ●
- Picture Editor → ●



Picture Editor Menu

- When finished, 🗹



- Save as New ▶
 - To overwrite, select *Overwrite* and press ●. (Omit ⑤.)
- Enter name → → Save here → ●

Canceling Effects

After ⑤, Undo ▶ ⑥

■ To restore effect immediately after canceling, select *Redo* and press **.**



- Changing Image Size
- Resize to Preset Size
- In Picture Editor menu,

 Resize ▶ ●
- Select size → ●
- 💽 🚱 Specify display area



- Omit if there is no rectangle on the image.
- 40
 - Editing is completed.

- Cropping Images
- In Picture Editor menu,

 Resize
 ●
- Cut → ●



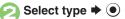
- Move + to the lower right corner of the portion to crop♠ ●
- Specify display area
- 30
 - Editing is completed.



Face Arrange



Face Arrange Menu





• Editing is completed.

Important Face Arrange Usage Note

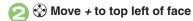
 When using Face Arrange, take care not to create images that may embarrass or offend others. Always obtain permission before photographing others.

■ Adjusting Positions

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



 A rectangle appears with + in the upper left corner.









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





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



Composite

Panorama Images

Panorama Image Effects:

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

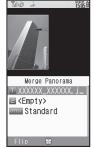












- File selected in ② is set as left image.
- *<Empty>* → Select image → ●
- EFFECT → Select effect →
 - Editing is completed.
- When finished, 🗹
 - Merged image appears.



Changing Images

After , select image → ● → □ →

Select image → ●

Switching Image Positions

After , □



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.

- Memory Card → →
 DPOF → ●
- R Number of Copies ▶ ●



- Select image ▶ ☑



- Enter a number of copies to print

 ●
 - For more settings, repeat 🕣 🙃.



Applying a Number to All Images
In ②, For All Pictures → ● ➤ Enter
a number of copies to print → ●

Canceling Specified Number

In ⑤, enter 00 → ⑥ → ☑ Viewing Current Print Settings In ⑥, Check Settings → ⑥

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.
- Data Folder Description● Data Folder● Data Folder●
- Select image → Print

 Select image → Print
- Via Bluetooth → → Select printer → ●
- Yes

 To cancel, press

 ☑.

When Authorization Code is Required Enter Authorization Code

● ●

Photo Camera & Video Camera Viewing key In Photo/Video Viewfinder, → Help → ● assignments → On or Automatic → O **Activating Mobile** • Low Light is also available for still image capture. Light • Do not use Mobile Light near people's faces or look into the light yourself. **Adjusting focus** quickly for close-up shots Setting ⇒ ● Macro ⇒ ● Settings or Record Settings → ● Focus **Adjusting focus** Setting ⇒ ● → Manual Focus ⇒ ● → ③ manually Adjust focus ⇒ ● To readjust focus, press ... In Photo/Video Viewfinder, Locking focus • To start over, press again. Changing image Quality or Video Quality → ● > Select quality quality **▶ ●**

	Panorama/Scanned Images After image capture (Save menu opens), Send ⇒ Select option ⇒ ● • Blog Tool is available as send option if Blog Setting is complete.
Sending files	Other Still Images After image capture (image appears), Send → ● → Select option → ● • Blog Tool is available as send option if Blog Setting is complete.
	Video After recording (Save menu opens), Send → ③ → Select option → ⑥
Adjusting brightness	In Photo/Video Viewfinder,
Activating automatic saving	In Photo/Video Viewfinder, → Settings → → Auto Save → ● → On → ●
Changing save location	Still Images Photo Camera Settings → Select location → Save Pictures to → Select location → Select Ocamera Settings → Select Iocation → Save Pictures to → Select Iocation → Save Video Camera Settings → Select Iocation → Save Videos to → Select Iocation → Select

Photo Camera		
Adjusting camera's light sensitivity	In Photo Viewfinder,	
	Start Here After image capture (image appears),	
Correcting Face Auto Focus images	Adjusting Face/Background Brightness Against sun	
	Blurring Out-of-Focus Portions Portrait	
Changing image size	In Photo Viewfinder, → Picture Size → → Select size → →	
Changing mode according to lighting or subject	In Photo Viewfinder, ${}^{\boxtimes}\!\!/\!$	
Setting Center Auto Focus	In Photo Viewfinder, → Shooting Settings → Focus Setting → ← CenterAutoFocus → ●	
Adjusting color balance according to lighting conditions	In Photo Viewfinder, → Shooting Settings → → White Balance → → Select mode → ●	
Changing shutter click sound	Camera Photo Camera Settings Settings Select pattern Shutter Sound Shutter Sound Shutter Sound Shutter Click sounds for Continuous Shoot, Panorama Picture and Scanner are fixed.	
Switching to Internal Camera	In Photo Viewfinder, → Shooting Settings → → Internal Camera → →	

Hiding indicators	icators In Photo Viewfinder,	
Zooming in to check image details	After image capture (image appears), *1" - *9] (Long) • Use * to see outside of enlarged portion. (Press • to zoom in further.) To return to captured image, press [##e]. • Key Assignments: • Portrait Orientation • 1" (Upper left) **[2] (Upper center) **[3] (Upper right) **[4] (Left) **[5] (Center) **[6] (Right) **[7] (Lower left) *[8] (Lower center) **[9] (Lower right) **[9] (Upper left) **[9] (Upper right) **[9] (Upper left) **[9] (Upper right) **[9] (Upper right) **[9] (Upper right) **[9] (Upper right) **[9] (Left) **[9] (Upper right) **[9] (Upper righ	
Releasing shutter remotely with a Bluetooth® watch	In Photo Viewfinder, press the corresponding button on Bluetooth® watch • Connect handset to a Bluetooth® watch and set Set Remote Shutter to On beforehand. For details, see the Bluetooth® watch guide.	
Changing send option assigned to ∑	● Camera ● Photo Camera Settings ● Settings ● Set Send Key ● Short press or Long press ● Select option ● Change send option separately for each key press method.	
Disabling quick transition to Viewfinder after saving images	Camera	



Camera
Q٥
Imagin
9

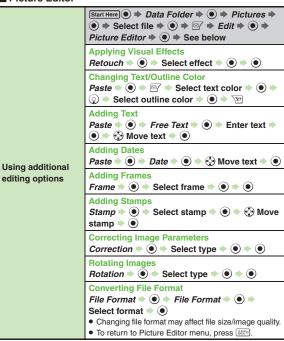
Disabling remote shutter control via Bluetooth® watches	Camera	
	Start Here In Photo Viewfinder, → Settings → Panorama Settings → ● See below	
Changing Panorama settings	Hiding Guides Assisting Lines	
	Locking Display Brightness during Image Capture AE-Lock	
Changing Panorama image preview method	In Panorama preview,	

Video Camera

Switching to Internal Camera	In Video Viewfinder,
Changing recording time/size	In Video Viewfinder, Record Time/Size For Message or Extended Video Select size
Enlarging Viewfinder size	In Video Viewfinder, → Display Size → ● → Enlarge → ●
Recording video without sound	In Video Viewfinder,

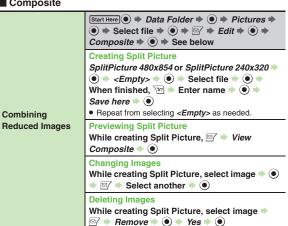
Editing Images

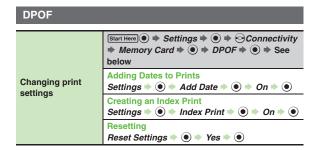
■ Picture Editor



	Start Here ● → Data Folder → ● → Pictures → ● → Select file → ● → □ → Edit → ● → Picture Editor → ● → See below
Using additional editing options	Changing File Size File Format

Composite





Mobile Camera



Display went dark during image capture

 For camera protection, Display may go dark when handset is subjected to strong shocks during image capture.
 Reactivate mobile camera to solve this.



Captured image appears all white

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



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.

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.

