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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.

Auto Focus

Measures the distance between subjects and camera to adjust focus.

Multiple Shooting Modes

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

Review

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

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

Precautions

- Clean dust/smudges from lens cover with a dry, 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.

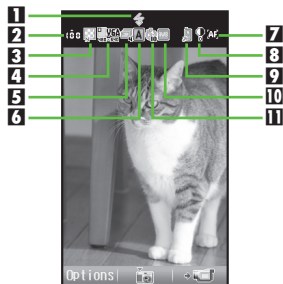
Shutter Click

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

Display Indicators

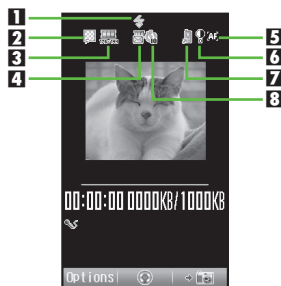
The following indicators appear at the top of Display.

Photo Viewfinder



1	Mobile Light	7	Focus
2	Memory	8	Exposure
3	Picture Quality	9	Save to
4	Picture Size	10	White Balance
5	Continuous Shoot	11	Self-timer
6	Scene		

Video Viewfinder



1	Mobile Light	5	Focus
2	Video Quality	6	Exposure
3	Record Size	7	Save to
4	Record Time	8	Self-timer

Advanced

Opening Help (P.7-15)



Capturing Still Images

1 ➔ **Camera** ➔

2 **Photo Camera** ➔

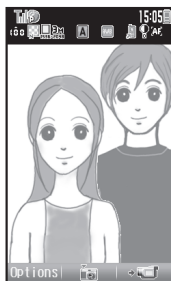


Photo Viewfinder

3 **Frame subject on Display** ➔

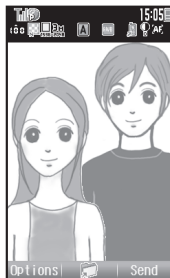


Image Save Window

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

4

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

5 ➔ **Camera shuts down**

Sending Captured Images via S! Mail

After , ➔ **Complete message** ➔

- After pressing , message size confirmation appears depending on image size or handset settings; select message size limit and press . Images may be resized automatically.
- To make selection the default setting hereafter, press to check **From now on too.** check-box.

Sending Captured Images via Infrared

After , (Long) ➔ **Yes** ➔

- Set recipient device to ready beforehand.

Pre-Image Capture Operations

Zoom In/Out	/
Toggle Mode	
Adjust Brightness	/
Change Image Size	5
Toggle Mobile Light Mode	
Open Help	0

Advanced

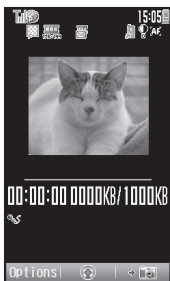
- Activating Mobile Light ● Adjusting brightness ● Adjusting focus quickly for close-up shots ● Changing shutter click sound ● Changing image size
- Changing mode according to lighting or subject ● Adjusting color balance according to lighting conditions (And more on P.7-15)



Recording Video

1 ➔ **Camera** ➔

2 **Video Camera** ➔

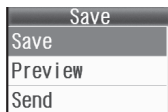


Video Viewfinder

3 **Frame subject on Display**
➔

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

4



Video Save Menu

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

5 **Save** ➔

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

6 ➔ **Camera shuts down**

Pre-Recording Operations

Zoom In/Out	/
Toggle Mode	
Adjust Brightness	/
Change Record Size	5
Toggle Mobile Light Mode	
Open Help	0

Playing Unsaved Video

In , **Preview** ➔

Sending Recorded Video via S! Mail

In , **Send** ➔ ➔ **Save and Send**

➔ ➔ **Complete message** ➔

- Message creation confirmation appears depending on file size; choose **Yes** and press to proceed. (Choose **No** to cancel attachment.)
- To make selection the default setting hereafter, press to check **From now on too.** check-box.
- May not be delivered as sent depending on recording size or recipient device.

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.)

Advanced

- Activating Mobile Light
- Adjusting focus quickly for close-up shots (And more on **P.7-15**)
- Changing recording time/size
- Enlarging Viewfinder size
- Recording video without sound (And more on **P.7-16**)





Opening Saved Files

Opening Last Saved File

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

- 1 ➔ **Camera** ➔
- 2 **Review** ➔



Review Window

- To end, press .

Enlarging Images

After ,

Pausing/Resuming Video

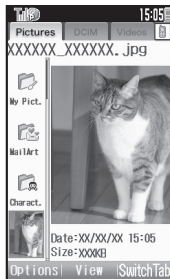
After , (press repeatedly to pause/resume)

Opening Help

[Review Window] 0%

Accessing Older Files

- 1 In Review window,



Review File List

- File list appears; press repeatedly to toggle lists.

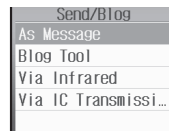
- 2 **Select file** ➔

- File opens/plays.

Sending Images

Send images to blogs, etc. via mail. Infrared and other options can also be used for sending images to other devices. To send images to blogs, complete Blog Setting beforehand.

- 1 In Review file list, select image ➔
- 2 **Send/Blog** ➔



- 3 **Select option** ➔
 - Follow onscreen instructions.

Using Shooting Modes

May be unavailable depending on selected image/recording size.

Self-timer

1 In Photo/Video Viewfinder,



2 Select time ➡



3 Frame subject on Display



- After selected time elapses, captured image appears or recording starts.
- To stop recording, press .
- For more, see operation descriptions on P.7-4 or P.7-5.

Releasing Shutter during Countdown

After ,

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

1 In Photo Viewfinder, ➡ Modes ➡



Mode Menu

2 Continuous Shoot ➡

3 Select mode ➡ ➡ Select speed ➡

4 Frame subject 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 4 for each frame.

5

6 All Pictures ➡

- All captured images are saved.

Saving the Selected Image

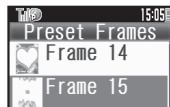
After 4, (select image) ➡ ➡ Selected Picture ➡

Adding Frames (Photo Camera)

1 In mode menu, Add Frame



2 Preset Frames ➡



3 Select frame ➡

4 Frame subject on Display



- Captured image appears.
- Press to save image. (Viewfinder returns.)

Using Frames in Data Folder

In 2, Data Folder ➡ ➡ Select frame ➡ ➡



Camera Effects (Photo Camera)

- 1 In mode menu, **Camera Effects** ➡



- 2 Select effect ➡

- 3 Frame subject on Display



- Captured image appears.
- Press to save image. (Viewfinder returns.)

Panorama Picture (Photo Camera)

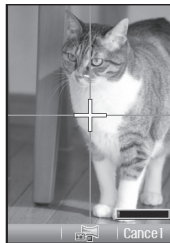
- 1 In mode menu, **Panorama/Scanner** ➡



Panorama/Scanner Menu

- 2 **Panorama Picture** ➡ ➡

- 3 **Frame subject on Display**



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

- 4



Save Menu

- Image is captured and Save menu opens.

- 5 **Save** ➡

- Image is saved.

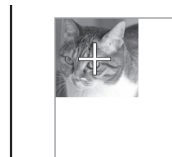
Checking Unsaved Images

In 6, **Preview** ➡

Scanning Images (Photo Camera)

- 1 In Panorama/Scanner menu, **Scanner** ➡

- 2 Select size ➡ ➡ **Frame subject on Display** ➡



- Move handset slowly to scan the area to capture. (Refer to indicators on Display.)

- 3

- Image is captured and Save menu opens.

- 4 **Save** ➡

- Image is saved.

Checking Unsaved Images

In 6, **Preview** ➡

Advanced

- Changing Panorama settings ● Changing Panorama image preview method (P.7-16)



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

Basics Operations

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 .

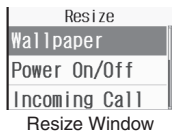


Changing Image Size

Select from preset sizes or crop image.

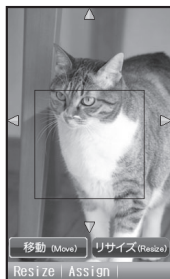
Resize to Preset Size

- 1 In Picture Editor menu,
Resize ➡



- 2 Select size ➡

- 3 Specify display area



- Omit 3 if there is no rectangle on the image.

- 4
- Editing is completed.

Zooming In/Out

After , ➡ ➡ ➡ 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 completed.

Specifying Display Area

After , ➡ 4

Zooming In/Out

After , ➡ ➡ ➡ 4

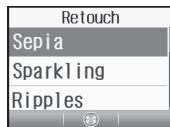
Advanced

Using additional editing options (P.7-16 - 7-17)

Applying Visual Effects

Render in sepia tones or add blur, etc.

- 1 In Picture Editor menu, **Retouch** ➔ ☐



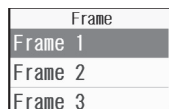
- 2 Select effect ➔ ☐



- 3 ☐
 - Editing is completed.

Adding Frames

- 1 In Picture Editor menu, **Frame** ➔ ☐



- 2 Select frame ➔ ☐



- 3 ☐
 - Editing is completed.



Face Arrange

Make faces smiley, sad, etc.

- 1 In Picture Editor menu, **Face Arrange** ➡ 



Face Arrange Menu

- 2 Select type ➡ 

- 3 



- 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.

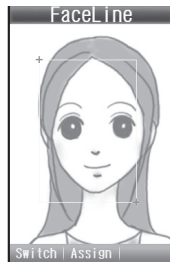
Adjusting Positions

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

- 1 In Face Arrange menu,  ➡ 
 - A rectangle appears with + in the upper left corner.

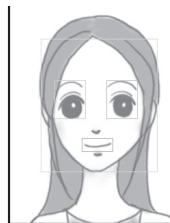
- 2  Move + to top left of face
➡ 

- 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

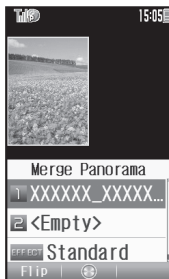
Panorama Images

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 ➔



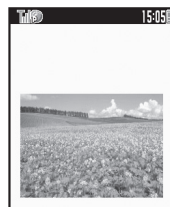
- File selected in 2 is set as left image.

6 <Empty> ➔ ➔ **Select image** ➔

7 EFFECT ➔ ➔ **Select effect** ➔

- Editing is completed.

8 When finished,



- Merged image appears.

9

10 Enter name ➔ ➔ **Save here** ➔

Changing Images

After 7, select image ➔ ➔ ➔

Select image ➔

Switching Image Positions

After 6,

Advanced

- Combining reduced images (P.7-17)



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.

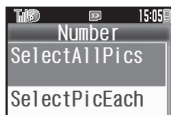
7

Camera & Imaging

1 ➔ **Settings** ➔ ➔ **Connectivity**

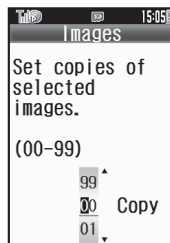
2 **Memory Card** ➔ ➔ **DPOF** ➔

3 **Num. of Copies** ➔



4 **SelectPicEach** ➔ ➔ **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**, **SelectAllPics** ➔ ➔ Enter a number of copies to print ➔

Canceling Specified Number

In **6**, enter **00** ➔ ➔

Viewing Current Print Settings

In **3**, **Check Settings** ➔

Advanced

Changing print settings (P.7-17)

Photo Camera & Video Camera

■ General

Opening Help	In Photo/Video Viewfinder, → Help → <ul style="list-style-type: none"> Press to toggle Help window for key assignments and indicator descriptions.
--------------	---

■ Capturing

Activating Mobile Light	In Photo/Video Viewfinder, → Mobile Light → → On or Automatic → <ul style="list-style-type: none"> Low Light is also available for still image capture. Do not use Mobile Light near people's faces or look into the light yourself.
Adjusting brightness	In Photo/Video Viewfinder, → Shooting Settings or Record Settings → → Exposure → → Adjust level
Adjusting focus quickly for close-up shots	In Photo/Video Viewfinder, → Shooting Settings or Record Settings → → Focus Setting → → Macro →
Adjusting focus manually	In Photo/Video Viewfinder, → Shooting Settings or Record Settings → → Focus Setting → → Manual Focus → → <ul style="list-style-type: none"> To readjust focus, press .
Locking focus	In Photo/Video Viewfinder, <ul style="list-style-type: none"> Frame subject in center of Display first. To start over, press again.
Changing image quality	In Photo/Video Viewfinder, → Picture Quality or Video Quality → → Select quality →

■ Saving

Activating automatic saving	In Photo/Video Viewfinder, → Settings → → Auto Save → → On →
Changing save location	In Photo/Video Viewfinder, → Settings → → Save Pictures to or Save Videos to → → Select location →

Photo Camera

■ General

Changing shutter click sound	In Photo Viewfinder, → Settings → → Shutter Sound → → Select pattern → <ul style="list-style-type: none"> Shutter click sounds for Continuous Shoot, Panorama Picture and Scanner are fixed.
Hiding indicators	In Photo Viewfinder, → Settings → → Display Indicators → → Hide Indicators →
Changing send option assigned to	In Photo Viewfinder, → Settings → → Set Send Key → → Short press or Long press → → Select option → <ul style="list-style-type: none"> Change send option separately for each key press method.

■ Capturing

Changing image size	In Photo Viewfinder, → Picture Size → → Select size →
Changing mode according to lighting or subject	In Photo Viewfinder, → Scene → → Select mode →
Adjusting color balance according to lighting conditions	In Photo Viewfinder, → Shooting Settings → → White Balance → → Select mode →



■ Panorama Picture

Changing Panorama settings	(Start Here) In Photo Viewfinder, ➔ Settings ➔ ➔ Panorama Settings ➔ ➔ See below
	Hiding Guides Assisting Lines ➔ ➔ Off ➔
	Locking Display Brightness during Image Capture AE-Lock ➔ ➔ Enable ➔
Changing Panorama image preview method	In Panorama preview, ➔ Manual Scroll or Full Image ➔

Video Camera

■ Recording

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, ➔ Microphone ➔ ➔ Off ➔

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 ➔
	<ul style="list-style-type: none"> Changing file format may affect file size/image quality. To return to Picture Editor menu, press [RECALL].



Using additional editing options	Start Here Data Folder Pictures Select file Edit Picture Editor See below
	Changing File Size File Format File Size Select size <ul style="list-style-type: none"> Changing file size may affect image quality. To return to Picture Editor menu, press .

■ Composite

Combining reduced images	Start Here Data Folder Pictures Select file Edit Composite See below
	Creating Split Picture SplitPicture 240x400 or SplitPicture 240x320 <Empty> Select file When finished, Enter name Save here <ul style="list-style-type: none"> 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

DPOF

Changing print settings	Start Here Settings Connectivity 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



Mobile Camera



Mobile camera won't activate/ shuts down automatically

- Battery may be low. Charge battery or install a charged battery.



Cannot use Auto 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.

