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6

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 successive/panoramic or scan images.

Auto Focus

Measures the distance between subjects and camera to adjust focus.

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.

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

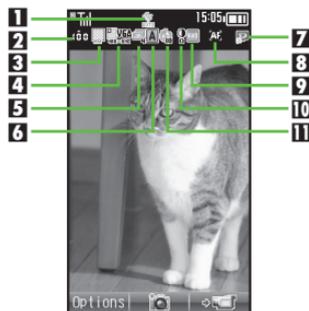
- Shutter click and Self-timer tone sound at fixed volume regardless of handset settings.



Display Indicators

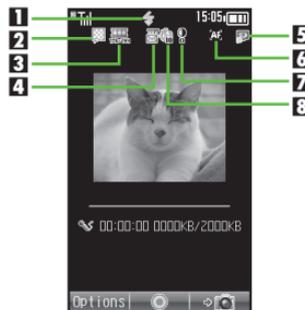
The following indicators appear at the top of Display.

Photo Viewfinder



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

Video Viewfinder



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

Advanced

Opening Help (P.6-14)



Capturing Still Images

1 ➔ Frame subject on Display



Photo Viewfinder

2



Captured Image Window

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

3

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

4 ➔ Camera shuts down

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

Mobile Light

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

■ Pre-Image Capture Operations

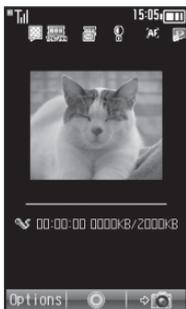
Zoom In/Out	
Toggle Mode	
Adjust Brightness	
Change Image Size	
Toggle Mobile Light Mode	
Open Help	

Advanced

- Adjusting brightness
- Adjusting focus quickly for close-up shots
- Changing Mobile Light mode
- Changing shutter click sound
- Changing image size
- Changing mode according to lighting or subject
- Adjusting image color to lighting conditions (And more on P.6-14 - 6-15)



Recording Video



Video Viewfinder

2 Frame subject on Display



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



Video Save Menu

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

4 Save →

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

5 → Camera shuts down

■ Pre-Recording Operations

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

Playing Unsaved Video

In 4, *Preview* → 

Sending Recorded Video via Mail

In 4, *Send* →  → *Save and Send*

→  → *Complete message* → 

- 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.

If Battery Runs Low

- Recording stops. (Recorded clip is saved.)

Advanced

-   Adjusting focus quickly for close-up shots
-  Changing Mobile Light mode (And more on [P.6-14](#))
-  Changing recording time/size
-  Enlarging Viewfinder size
-  Recording video without sound ([P.6-15](#))



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

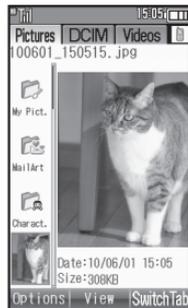
After , (press to pause/resume)

Opening Help

[Review Window]

Accessing Older Files

- 1 In Review window,



Review File List

- File list appears.
- Press to toggle lists.

- 2 **Select file** ➔

- File opens/plays.



Using Shooting Modes

May be unavailable depending on selected image/recording size.

Self-timer

1 In Photo/Video Viewfinder,

➔ **Self-timer** ➔

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.6-4 or P.6-5.

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 (Long)

- All captured images are saved.

Saving the Selected Image

After 4, (select image) ➔

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** ➔ ➔ ➔ **Frame subject on Display** ➔



Panorama Picture (Photo Camera)

- 1 In mode menu, **Panorama/Scanner** → ●



Panorama/Scanner Menu

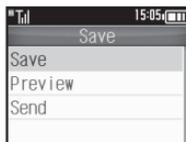
- 2 **Panorama Picture On** → ● → ●

- 3 **Frame subject on Display** → ●

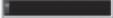


- 4 Move handset slowly to keep + aligned with either of yellow lines

5 ●



Save Menu

- Image is captured and Save menu opens.
- Image is captured automatically when the bar () turns blue.

6 **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 4, **Preview** → ●

Advanced

- Changing panorama/scanner settings ● Changing panorama/scanner image preview method (P.6-15)



Picture Editor

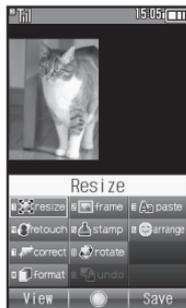
Picture Editor Options

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 .

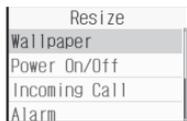


Changing Image Size

Select from preset sizes or crop image.

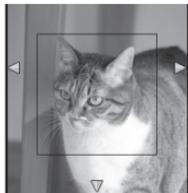
Resize to Preset Size

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



Resize Window

- 2 Select size ➔ ●
- 3 ● Move + to the upper left corner of the portion to crop



● If crop frame does not appear, omit ●.

- 4 ●

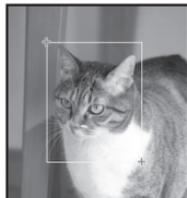
● Editing is complete.

Zooming In/Out

After ●, ● ➔ ● ➔ ●

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 ●, ● ➔ ●

Zooming In/Out

After ●, ● ➔ ● ➔ ●

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.6-15 - 6-16)



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 reduced 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 6, select image → → →

Select image →

Switching Image Positions

After 6,



Advanced

- Combining reduced images (P.6-16)

Printing Images

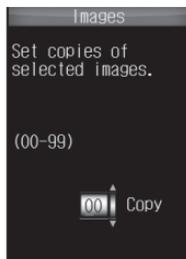
Digital Print Order Format (DPOF)

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** → →
- 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 - .

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** →

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 →

Advanced

- Changing print settings (P.6-16)



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.
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Capturing

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 →
Changing Mobile Light mode	In Photo/Video Viewfinder, → Mobile Light → → Select option → <ul style="list-style-type: none"> Mobile Light goes out automatically after ten minutes. Reactivate mobile camera to re-illuminate it. Do not shine Mobile Light in eyes.
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 option →

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 shooting and panorama/scanner image capture are fixed.
Hiding indicators	In Photo Viewfinder, → Settings → → Display Icons → → Icon Off →
Selecting send option assigned to	In Photo Viewfinder, → Settings → → Set Send Key → → Short Press or Long Press → → Select option → <ul style="list-style-type: none"> Select send option separately for each key press method.
Releasing shutter remotely with a Bluetooth® watch	In Photo Viewfinder, press the corresponding button on Bluetooth® watch <ul style="list-style-type: none"> Connect handset to a Bluetooth® watch and set Set Remote Shutter to On beforehand. For details, see the Bluetooth® watch guide.
Disabling remote shutter control via Bluetooth® watches	In Photo Viewfinder, → Settings → → Set Remote Shutter → → Off → <ul style="list-style-type: none"> Available when a Bluetooth® watch is registered.
Changing focus frame design	In Photo Viewfinder, → Shooting Settings → → Focus Setting → → Focus Mark → → Select pattern →



Capturing

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

Panorama/Scanner

Changing panorama/scanner settings	Start Here In Photo Viewfinder, → <i>Settings</i> → ● → <i>Panorama Settings</i> → ● → See below
	Hiding Guides <i>Assisting Lines</i> → ● → <i>Off</i> → ●
Changing panorama/scanner image preview method	Locking Display Brightness during Image Capture <i>AE-Lock</i> → ● → <i>Enable</i> → ●
	After panorama/scanner image capture, <i>Preview</i> → ● → → <i>Manual Scroll or Full Image</i> → ●

Video Camera

Recording

Changing recording time/size	In Video Viewfinder, → <i>Record Time/Size</i> → ● → <i>For Message or Extended</i> → ● → Select size → ●
Enlarging Viewfinder size	In Video Viewfinder, → <i>Display Size</i> → ● → <i>Enlarge</i> → ●

Recording video without sound	In Video Viewfinder, → <i>Microphone</i> → ● → <i>Off</i> → ●
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Editing Images

Picture Editor

Using additional editing options	Start Here ● → <i>Data Folder</i> → ● → <i>Pictures</i> → ● → Select file → ● → → <i>Edit</i> → ● → <i>Picture Editor</i> → ● → See below
	Changing Text/Outline Color <i>Paste</i> → ● → → Select text color → ● → → Select outline color → ● →
	Adding Text <i>Paste</i> → ● → <i>Free Text</i> → ● → Enter text → ● → → Move text → ●
	Adding Dates <i>Paste</i> → ● → <i>Date</i> → ● → → Move date → ●
	Adding Stamps <i>Stamp</i> → ● → Select stamp → ● → → Move stamp → ●
	Correcting Image Parameters <i>Correction</i> → ● → Select type → ● → ●
	Rotating Images <i>Rotate</i> → ● → Select type → ● → ●
	Converting File Format <i>File Format</i> → ● → <i>File Format</i> → ● → Select format → ●
	<ul style="list-style-type: none"> Changing file format may affect file size/image quality. To return to Picture Editor menu, press .



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** ●

- Changing file size may affect image quality.
- To return to Picture Editor menu, press **ESC**.

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, **Y** ● ➔ **Enter name** ● ➔ **Save here** ●

- Repeat from selecting **<Empty>** as needed.

Previewing Split Picture

While creating Split Picture, **ESC** ● ➔ **View Composite** ●

Changing Images

While creating Split Picture, select image ● ➔ **ESC** ● ➔ **Select another** ●

Deleting Images

While creating Split Picture, select image ● ➔ **ESC** ● ➔ **Remove** ● ➔ **Yes** ●

DPOF

Changing print settings

Start Here ● ➔ **Settings** ● ➔ **Phone/** ● ➔ **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.

