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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.

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 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

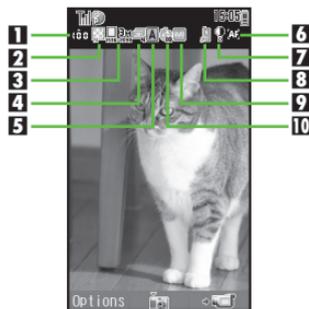
- Shutter click and Self-timer tone sound at fixed volume regardless of handset settings.



Display Indicators

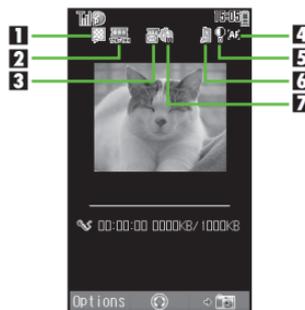
The following indicators appear at the top of Display.

Photo Viewfinder



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

Video Viewfinder



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

Advanced

Opening Help (P.6-15)



Capturing Still Images

1 → Camera →

2 Photo Camera →

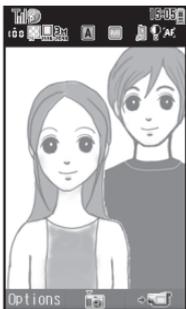
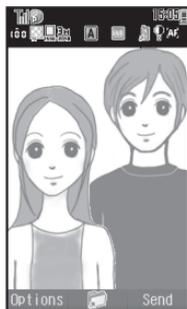


Photo Viewfinder

3 Frame image on Display →



Captured Image Window

- Shutter clicks; 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 | |
| Open Help | |

Advanced

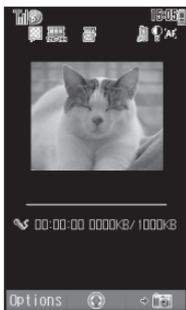
- Accessing files from Viewfinder
- Adjusting brightness
- Adjusting focus quickly for close-up shots
- Changing shutter click sound
- Changing image size
- Changing mode according to lighting or subject
- Adjusting color balance according to lighting conditions (And more on P.6-15)



Recording Video

1 ➔ **Camera** ➔

2 **Video Camera** ➔

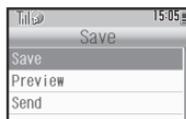


Video Viewfinder

3 **Frame image 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 | |
| Open Help | |

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

- Accessing files from Viewfinder
- Adjusting focus quickly for close-up shots (And more on P.6-15)
- Changing recording time/size
- Enlarging Viewfinder size
- Recording video without sound (And more on P.6-16)



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 Review, press .

Enlarging Images

After ,

Pausing/Resuming Video

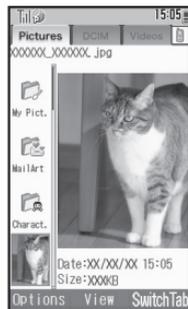
After , (press to pause/resume)

Opening Help

[Review Window]

Accessing Older Files

- 1 In Review window,



Review File List

- File list appears; press to toggle lists.

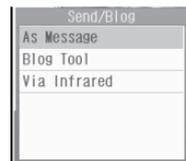
- 2 **Select file** ➔

- File opens/plays.

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 image 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 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.

5

6 All Pictures →

- All captured images are saved.

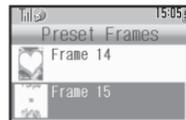
Saving the Selected Image

After  (select image) →  → Selected Picture → 

Adding Frames (Photo Camera)

1 In mode menu, Add Frame →

2 Preset Frames →



3 Select frame →

4 Frame image on Display →

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

Using Frames in Data Folder

In , **Data Folder** →  → Select frame →  →  → Frame image on Display → 



Camera Effects (Photo Camera)

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



- 2 Select effect ➔

- 3 Frame image on Display ➔

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

Panorama Picture (Photo Camera)

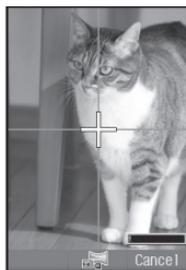
- 1 In mode menu, **Panorama/Scanner** ➔



Panorama/Scanner Menu

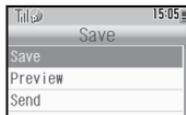
- 2 **Panorama Picture On** ➔ ➔

- 3 **Frame image on Display** ➔



- Move handset slowly to keep \oplus 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 5, **Preview** ➔

Scanning Images (Photo Camera)

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

- 2 Select size ➔ ➔ **Frame image 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 settings Changing Panorama image preview method (P.6-16)

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 .

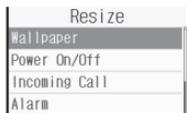


Changing Image Size

Select from preset sizes or crop image.

Resize to Preset Size

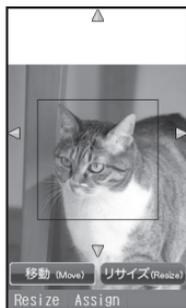
- In Picture Editor menu, **Resize** ➔



Resize Window

- Select size ➔

- Specify image area



- If crop frame does not appear, omit ③.

- Editing is complete.

Zooming In/Out

After ③, ➔ ➔ ➔ ④

Cropping Images

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



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

- Editing is complete.

Specifying Image Area

After ③, ➔ ④

Zooming In/Out

After ③, ➔ ➔ ➔ ④

Advanced

- Using additional editing options (P.6-16 - 6-17)

Applying Visual Effects

Render in sepia tones or add blur, etc.

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



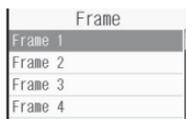
- 2 Select effect ➔



- 3
 - Editing is complete.

Adding Frames

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



- 2 Select frame ➔



- 3
 - Editing is complete.



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.

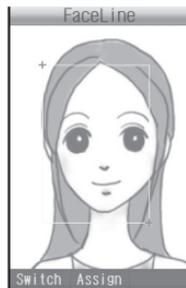
- 1 In Face Arrange menu, ➔

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

- 2 Move + to top left of face

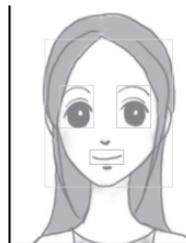


- 3 Move + to bottom right of face



- 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** ➔



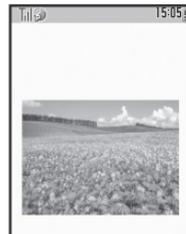
• File selected in 2 is set as left image.

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 7, select image ➔ ➔ ➔

Select image ➔

Switching Image Positions

After 8,

Advanced

• Combining reduced images (P.6-17)



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.

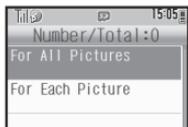
1 → **Settings** → → →

Connectivity

2 **Memory Card** → →

DPOF →

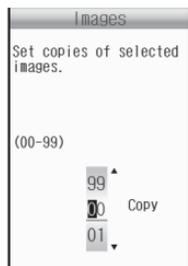
3 **Number of Copies** →



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 5, enter 00 → →

Viewing Current Print Settings

In 3, **Check Settings** →

Advanced

Changing print settings (P.6-17)

Photo Camera & Video Camera

■ General

| | |
|---------------------------------|--|
| Accessing files from Viewfinder | In Photo/Video Viewfinder, → <i>Data Folder</i> → → <i>Select file</i> → |
| Opening Help | In Photo/Video Viewfinder, → <i>Help</i> → <ul style="list-style-type: none"> Press to toggle Help window for key assignments and indicator descriptions. |

■ Capturing

| | |
|--|--|
| Adjusting brightness | In Photo/Video Viewfinder, → <i>Shooting Settings</i> or <i>Record Settings</i> → → <i>Exposure</i> → → <i>Adjust level</i> |
| Adjusting focus quickly for close-up shots | In Photo/Video Viewfinder, → <i>Shooting Settings</i> or <i>Record Settings</i> → → <i>Focus Setting</i> → → <i>Macro</i> → |
| Adjusting focus manually | In Photo/Video Viewfinder, → <i>Shooting Settings</i> or <i>Record Settings</i> → → <i>Focus Setting</i> → → <i>Manual Focus</i> → → → <i>Adjust focus</i> → <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, → <i>Picture Quality</i> or <i>Video Quality</i> → → <i>Select quality</i> → |

■ Saving

| | |
|-----------------------------|--|
| Activating automatic saving | In Photo/Video Viewfinder, → <i>Settings</i> → → <i>Auto Save</i> → → <i>On</i> → |
| Changing save location | In Photo/Video Viewfinder, → <i>Settings</i> → → <i>Save Pictures to</i> or <i>Save Videos to</i> → → → <i>Select option</i> → |

Photo Camera

■ General

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

■ Capturing

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



■ Panorama Picture

| | |
|--|--|
| Changing Panorama settings | [Start Here] In Photo Viewfinder, [M] → <i>Settings</i> → [M] → <i>Panorama Settings</i> → [M] → See below |
| | Hiding Guides <i>Assisting Lines</i> → [M] → <i>Off</i> → [M] |
| | Locking Display Brightness during Image Capture <i>AE-Lock</i> → [M] → <i>Enable</i> → [M] |
| Changing Panorama image preview method | In Panorama preview, [M] → <i>Manual Scroll</i> or <i>Full Image</i> → [M] |

Video Camera

■ Recording

| | |
|-------------------------------|--|
| Changing recording time/size | In Video Viewfinder, [M] → <i>Record Time/Size</i> → [M] → <i>For Message</i> or <i>Extended Video</i> → [M] → Select size → [M] |
| Enlarging Viewfinder size | In Video Viewfinder, [M] → <i>Display Size</i> → [M] → <i>Enlarge</i> → [M] |
| Recording video without sound | In Video Viewfinder, [M] → <i>Microphone</i> → [M] → <i>Off</i> → [M] |

Editing Images

■ Picture Editor

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



| | |
|----------------------------------|---|
| 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.

