Camera

6

Before Using Camera

940P features approximately 8.1 Mega Pixel CMOS Auto-focus Camera capable of capturing still images and videos.

Use Album-Touch (☞P.6-15) to view or search still images captured by Touch Panel operations. View images in slideshow.

Method	Description	Album-Touch
Camera mode	Capture still images in Portrait/ Landscape View Continuous shooting also available	○
Video camera mode	Record videos in Portrait/Landscape View	–
Camera-Touch (☞P.6-13)	Capture still images in Landscape View Camera settings and focus function also available by Touch Panel operations	○

● Open/close handset in Camera mode/Video camera mode to switch Landscape/Portrait View.
● In Camera-Touch mode or Camera mode (excluding Continuous shooting), captured images are saved right side up regardless of Handset orientation during shooting (some exceptions may apply).

Image File Formats

Still images/videos are saved to Data Folder.

Image Type	File Format	Save Location
Still images	JPEG (.jpg)	Data Folder (Pictures)
Videos	MPEG-4 (.3gp), ASF (.asf)	Data Folder (Videos)

● To save to microSD Card, change Storage setting (☞P.18-16, P.18-17)

Notes

- Remove dust/debris from lens cover with a soft cloth.
- Handset movement may blur images especially in dark places; hold handset firmly.
- Capturing/saving images immediately after handset has been left in a hot place may affect image quality.
- Exposing lens to direct sunlight may affect image quality.
- While Camera is active, Photo light illuminates or flashes. When Inside Camera is used, Notification Light/Charging Indicator flashes. Photo light or Notification Light/Charging Indicator cannot be turned off.
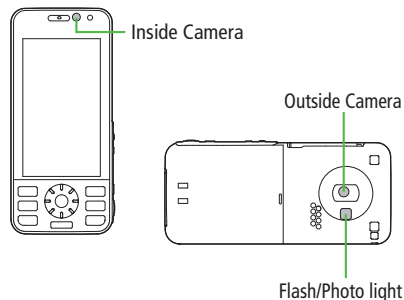
Shutter Click

Shutter click sounds at fixed volume even in Manner Mode.

- To change shutter click sound: ☞P.18-16, P.18-17

Inside & Outside Camera

Use Inside or Outside Camera. Flash/Photo Light is available.

Inside Camera

Outside Camera

Flash/Photo light

6

Camera

Note

- Camera is not available when battery is low.
- Incoming calls, Alarm and low battery cancel Camera. Captured images/ recorded videos are retained. Save data when Camera restarts.
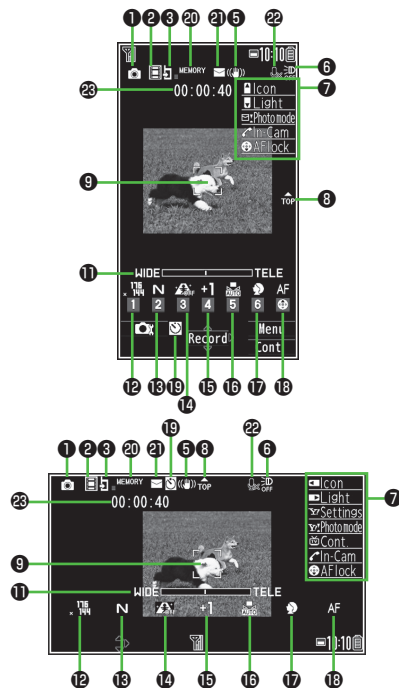- When left in Viewfinder for three minutes, Camera is canceled and previous window returns.

Camera Display Indicators

● Images shown below are for reference only.

6
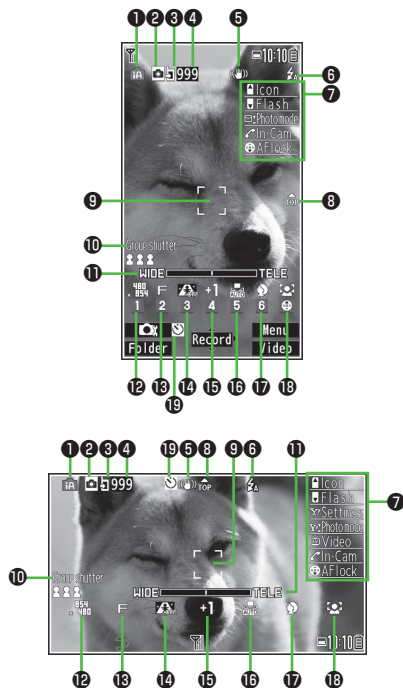
Camera

	Item	Description	Operation
❶	Photo mode (☞P.6-9)	🅰 Intelligent Auto 📷 Normal 🎬 Scene 📷 My original set. (For Scene/My original set., indicators vary depending on setting.)	Press and hold ⊠[📷] → Select a mode (→ For Scene/My original set., select an item)
❷	CHG Camera-mode	📷 Camera mode 🎬 Video camera mode 🅰 / 🅰 / 🅼 Action mode (Auto/ Auto bracket/Manual) (Cont. shooting set.: ☞P.6-6)	📷[Video/Cont./Camera] ● Toggle Action mode (☞P.6-10)
❸	Storage setting	📱 Phone 🗂 microSD Card	⑨
❹	No. of frames	Show number of remaining frames	—
❺	Img. stabilizer	Correct camera shake (Available in Outside Camera only)	(☞P.18-16, P.18-17)
❻	Flash setting (Still image)	🔆 Auto 🔆 Forced ON 🔆 Always light ON 🔆 Forced OFF	▾
	Photo light setting (Action/Video)	🔆 ON 🔆 OFF	
❼	Key Guidance	Show key operation guidance	—
❽	Top indicator	Indicate vertical direction	—
❾	Focus Guide	⬚ Auto focus guide ⬚ AF tracking guide	—
❿	Auto shutter[1] (☞P.6-7)	👫 Love shutter (Sweetheart) 👫 Love shutter (Friends) 👫👫 Group shutter (Group)	⌗
⓫	Zoom bar	Indicate zoom level (☞P.6-8)	⊙/⊙ zoom in/out ● Long press: continuous zoom
⓬	Image size[2]	Show image size (☞P.6-8)	① → Select a size
⓭	Image quality[2]	Ⓝ Normal Ⓕ Fine Ⓢ Super fine	② → Select a mode
⓮	High sensitiv.[2]	🅰 ON 🅰 OFF	③ → Select ON/OFF
⓯	Brightness[2]	Adjust brightness (Level -3 to +3)	④ → Select a level
⓰	White balance[2]	🅰 Auto ☀ Fine ☁ Cloudy 💡 Light bulb 🔆 Fluorescent light	⑤ → Select a mode
⓱	Scene[2]	👤 Portrait 🏃 Sports 🍴 Food 🏔 Scenery 🌙 Night mode 🔆 Backlight 📝 Character ❄ Snow 🌅 Sunset 🐾 Pet	⑥ → Select a scene
⓲	Focus[2] (☞P.6-11)	😊 Face Detection 🆎 Auto 🌷 Close-up 🏔 Landscape 🔲 AF tracking	⊙ → Select a mode
⓳	Auto timer	(☞P.6-7)	⑦ → Toggle ON/OFF
⓴	Memory capacity bar	Indicate memory status (appears in red when memory is full)	—
㉑	File size setting	✉ Mail restrict'n(S) 🔳 Long time	(☞P.18-17)
㉒	Movie type set	Record video without audio	(☞P.18-17)
㉓	Recordable time	Indicate recordable time	—

[1] Key Guidance appears when Photo mode is set to **Intelligent Auto** and Auto shutter is not set.

[2] Alternatively, ⊠[📷] → ⊙ to highlight an item → ⊙ to select a setting

6-5

Pictures/Videos

- Confirm battery strength (☞P.1-12) and memory (☞P.18-16, P.18-17) before recording. When battery is low, video cannot be recorded.
- Captured images and videos are automatically saved to Data Folder. To select save location each time, turn **Auto save set** to **OFF** (☞P.18-16, P.18-17).
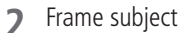- Operation descriptions are based on Portrait View.

Note
- When using Inside Camera, mirror image appears on Viewfinder. Captured images appear correctly.
- For capturing images by ◯(📷), press firmly.

Capturing Still Images (Camera Mode)

1 📷

Picture Viewfinder appears.

2 Frame subject
- To toggle Inside/Outside Camera: 📞

3 ●[**Record**], ⓪ or ◯(📷) to capture the image

Shutter click sounds at fixed volume.
Image is automatically saved.
- When **Focus** is set to **Face Detection, Auto** or **AF tracking**, Outside Camera automatically focuses on subject before capturing image.

Picture Viewfinder

4 ◠ to exit

Return to Standby.

Continuous Shooting

Capture a succession of up to 20 still images automatically with a single press.
- Number of captured images differs depending on image size and Continuous shooting setting (☞P.6-10).

1 In Picture Viewfinder, 📷[**Video**] → 📷[**Cont.**]
🔲 appears (Indicators vary by Action mode).

2 Frame subject → ●[**Record**], ⓪ or ◯(📷)
Images are automatically saved.
- When **Focus** is set to **Auto**, Outside Camera automatically focuses on subject before capturing image.
- To stop shooting halfway: ヴリア

Recording Videos (Video Camera Mode)

1 Press and hold 🔘
Video Viewfinder appears.

2 Frame subject
 ● To toggle Inside/Outside Camera: 📞

3 ⊙**[Record]**, ⓪ or ☐(📷) to start recording

Tone sounds and ●REC appears.

 ● When **Focus** is set to **Face Detection** or **Auto**, Outside Camera automatically focuses on subject before recording begins. During recording, auto focus functions regardless of Focus setting.

Video Viewfinder

4 ⊙**[Stop]**, ⓪ or ☐(📷) to end recording

Tone sounds.
Video is automatically saved.

 ● Recording stops automatically at maximum recording time.

5 📞 to exit
Return to Standby.

Note

 ● Alternatively, 🔘 → 🔘**[Video]** to activate Video Camera

Functions Available while Shooting

From ► Camera mode: 🔘
Action mode: 🔘 ► 🔘**[Video]** ► 🔘**[Cont.]**
Video camera mode: Press and hold 🔘

■ Auto Timer

 > 🔘**[Menu]** → **Auto timer** → **ON** → Enter time (seconds) →
⊙**[Record]**, ⓪ or ☐(📷) (→ For video, ⊙**[Stop]**, ⓪ or ☐(📷))

 ● Auto timer tone sounds. After set period of time, shutter is released and recording starts.

 ● When Auto timer is active, ☐**[Quit]** or 🔘 to return to Viewfinder without canceling Auto timer.

 ● Auto timer is not available when **Cont. shooting set.** is set to **Manual**.

■ Auto Shutter (Camera Mode Only)

Shutter automatically releases upon detecting number of people or distance between people (When Photo mode is set to **Intelligent Auto** or **Focus** is set to **Face Detection**).

 > 🔘**[Menu]** → **Auto shutter** → Select an item (See below)

Item	Operation/Description
OFF	Cancel Auto shutter setting
Love shutter	Shutter releases when two faces move close together. **>Friends** or **Sweetheart** ● When **Sweetheart** is set, distance between two faces is closer than **Friends**.
Group shutter	Camera detects up to five faces. When more people are in frame, Auto timer activates and shutter releases in three seconds. **>**Select number of people

 ● Alternatively, capture still images by ⊙**[Record]**, ⓪ or ☐(📷) even when Auto shutter is set (Auto timer activates for Group shutter.).

■ Zoom

> ⊙ (zoom in) or ⊙ (zoom out) to adjust zoom → ⊙**[Record]**,
⚪ or ◯(📷)

● For continuous zoom: Press and hold ⊙ or rotate Speed Selector
● Zoom is available during video recording.
● Zoom is disabled when **Image size** is set as follows:
  · Inside Camera: **VGA**, **HVGA Wide** or **QVGA** (individual mode)
● Zoom may change image quality.
● Maximum zoom levels per image size are as follows.
  Maximum zoom levels in Landscape View are indicated in ( ) if different
  from those in Portrait View.

Camera mode	Size	Zoom level	Zoom Ratio*
Outside Camera			
Camera (High sensitiv.: OFF)	8M	1-21	2.6x
	6M Wide	1-21	2.6x
	5M	1-21	2.6x
	3M	1-21	2.6x
	2M Wide	1-21	2.6x
	2M	1-21	2.6x
	Stand-by	1-21	2.6x
	VGA	1-21	2.6x
	QVGA	1-31	5.1x
	QCIF	1-31	8.5x
	Sub-QCIF	1-31	12.8x
Camera (High sensitiv.: ON)	2M	1-21	2.6x
	Stand-by	1-21	2.6x
	VGA	1-21	2.6x
	QVGA	1-31	5.1x
	QCIF	1-31	8.5x
	Sub-QCIF	1-31	12.8x

Camera mode	Size	Zoom level	Zoom Ratio*
Continuous shooting	VGA	1-21	2.6x
	QVGA	1-31	5.1x
	QCIF	1-31	8.5x
	Sub-QCIF	1-31	12.8x
Video camera (Img. stabilizer: Auto)	VGA	1-21	1.9x
	HVGA Wide	1-21	1.9x
	QVGA	1-31	2.9 (3.8)x
	QCIF	1-31	5.2 (6.4)x
	Sub-QCIF	1-31	7.2 (9.6)x
Video camera (Img. stabilizer: OFF)	VGA	1-21	2.6x
	HVGA Wide	1-21	2.6x
	QVGA	1-31	3.8 (5.1)x
	QCIF	1-31	7.0 (8.5)x
	Sub-QCIF	1-31	9.6 (12.8)x
Inside Camera			
Camera/ Continuous shooting	VGA	1	1.0x
	QVGA	1	1.0x
	QCIF	1-6	1.6x
	Sub-QCIF	1-21	2.1x
Video camera	VGA	1	1.0x
	HVGA Wide	1	1.0x
	QVGA	1	1.0x
	QCIF	1-6	1.9 (1.6)x
	Sub-QCIF	1-21	2.8 (2.1)x

* Values are approximates.

■ Use Flash/Photo Light

Select a Flash/Photo Light setting for Outside Camera.

> In Picture Viewfinder, [ＹＲ]**[Menu]** → **Flash setting** → Select an item (See below)

Item	Operation/Description
Auto	Flash goes off automatically in low-light situations.
Forced ON	Flash always goes off when capturing images.
Always light ON	Photo Light illuminates.
Forced OFF	Flash/Photo Light is disabled.

> In Continuous Shooting/Video Viewfinder, [ＹＲ]**[Menu]** → **Photo light set.** → **ON** or **OFF**

● Flash/Photo light is not available when battery is low.
● When Camera is ended or changed to Inside Camera while a setting other than **Forced OFF** is set, Flash setting is changed to **Auto** next time Camera activates or Outside Camera is used. When **Forced OFF** is set, setting remains.
● Even if **Forced OFF** (Flash setting) or **OFF** (Photo light set.) is set, Photo light illuminates or flashes when Camera is active or during shooting.
● When Photo mode is set to **Intelligent Auto**, **Forced ON** cannot be set.
● When using flash, maintain an appropriate distance from subject of 40 to 100 cm.
● When image is captured at close range or your hand is too close to Flash/Photo Light, image color and brightness may differ in appearance from actual subject.

■ Set Photo Mode According to Scene

> [ＹＲ]**[Menu]** → **Photo mode** → Select an item (See below)

Item	Operation/Description
Intelligent Auto	Automatically switch Photo mode according to occasion (in Camera mode) ● Indicator is animated when mode changes (Example: ▓▓ Close-up). ● Mode does not change after Auto Focus Lock. Cancel Auto Focus Lock.
Normal	Capture an image in normal mode
Scene	Adjust brightness and color tone according to scene > Select an item
My original set.	(☞P.6-10)

■ **Change Continuous Shooting Settings**

> [Menu] → **Cont. shooting set.** → Select an item (See below)

Item	Operation/Description
Action mode	**>** Select an item · **Auto**: Capture multiple still images automatically* · **Manual**: Capture one by one manually · **Auto bracket**: Capture nine different still images automatically
Shot interval	Select an interval when **Action mode** is set to **Auto** **>** Select an interval
Shot number	Set number of images when **Action mode** is set to **Auto** or **Manual** **>** Select a number

* Savable number of images is as follows:

· VGA (480×640): 4
· QVGA (240×320): 5 to 10
· QCIF (144×176): 5 to 20
· Sub-QCIF (96×128): 5 to 20

■ **Save as Original Setting**

> Press and hold [⊠] → **Photo mode MyOriginal** → Follow the steps (See below)

Item	Operation/Description
Save setting	**>** Highlight a setting → [Save] (→ **YES**) → Edit title
Open setting	**>** Select a setting
Edit title	**>** Highlight a setting → [⊠][Edit] → Edit title
View detail	**>** Highlight a setting → [Detail]
Delete setting	**>** Highlight a setting → [Delete] → **YES**

● Save up to three settings each in Camera mode and Action mode.

Focus Functions (Outside Camera)

Changing Focus Settings

<Default> Camera mode/Video camera mode: Face Detection
Action mode: Auto

Select a focus setting according to occasion (Except When Photo mode is set to Intelligent Auto).
Focus on Individual scenes automatically.

● Face Detection (Camera mode/Video camera mode only): For portraits
● Auto: Auto detection
● Close-up: For nearby objects
● Landscape: For distant landscapes
● AF tracking (Camera mode only): Tracks subject automatically

1 In Picture/Video Viewfinder, ⓞ

2 ⓠ to select a setting → ⓞ

Note

● Camera focuses on subject at a distance of over 10 cm.
● When Photo mode is set to **Intelligent Auto**, toggle current focus setting and AF tracking by ⓞ.
● While Camera is focusing, Focus sound is heard in the following situations:
  ・ When Focus setting is set to **AF tracking**
  ・ When Photo mode is set to **Intelligent Auto**
  ・ During video recording

Face Detection

● Detect up to five faces within 2.5 meters.
● Show yellow Focus Guide when a face is detected.
● Automatically focus on one face when more than one is detected (Focus guide turns yellow once focus is on the face.).
● Faces may not be detected in following conditions:
  ・ Face is tilted.
  ・ A part of face is covered by glasses, hat, mask or shadow.
  ・ Face is too small, big or dark for screen.
  ・ Face is at edge of screen.
  ・ Subject or handset moves too fast.
● Shoot with Auto focus if detection fails.

AF Tracking

Position AF tracking guide on subject and press ⓠ. Yellow AF tracking guide appears and tracks moving subject while adjusting focus and exposure for subject. During AF tracking, press ⓞ**[Record]**, ⓪ or ☐(📷) to lock focus on subject and capture an image.

● Alternatively, press ☐(📷) halfway to lock focus, then ☐(📷) to capture an image
● To cancel AF tracking: ⓠ or ⏻
● When Camera is unable to track subject (e.g. when subject is out of Viewfinder), AF tracking is canceled.
● Depending on situation, AF tracking may track unintended subject.
● AF tracking is not available when Auto shutter is in use or certain image size is set.

Auto Focus Lock

Bring focus on subject at center of display automatically. Lock focus on subject, and recompose your picture.

1 In Picture/Video Viewfinder, (◎), (✳) or ☐(📷) halfway

　① When in focus, handset sounds.
　② Focus Guide turns green, and focus is locked.
　● When out of focus, Focus Guide turns red.
　● To cancel focus locked by (◎) or (✳): クリア
　● To cancel focus locked by ☐(📷): Release finger from ☐(📷)

2 Determine composition

3 Capture image in selected camera mode (Camera mode: ☞P.6-6/Action mode: ☞P.6-6/Video camera mode: ☞P.6-7)

　● In Step 1, press ☐(📷) halfway to lock focus, then press ☐(📷) firmly to shoot.

Viewing Saved Images

1 **Open Pictures**
Pictures

Open Videos
Videos

2 Select a folder

3 Select a file

Example: Pictures

■ **Open Pictures Saved on microSD Card**
> In Step 1, *Pictures* → 📷**[microSD]** → Select a folder

■ **Open Videos Saved on microSD Card**
> In Step 1, *Videos* → 📷**[microSD]** → Select a folder

■ **Check Still Images in Picture Viewfinder**
> In Picture Viewfinder, 📷**[Folder]**
● To return to Picture Viewfinder: クリア

Tip •

●Editing Still Images (☞P.10-12)

Camera-Touch

Activate Camera-Touch from Standby to capture still images. Touch Panel operations enable camera settings and focus adjustment.

● Camera-Touch is available only in Landscape View.
● Touch Panel operations: ☞P.1-21

Note

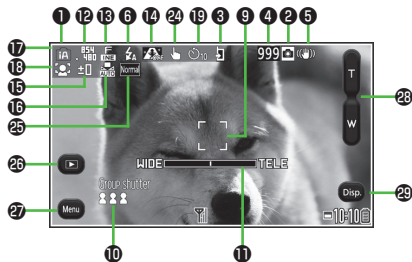● Press ☐ (🔳) firmly to activate Camera-Touch or capture still images.

Activating Camera-Touch

1 ☐ (🔳)

Viewfinder appears.

■ Viewfinder

● Image shown below is for reference only.

	Item	Operation/Description
❶ to ⓲	(☞P.6-5)	(☞P.6-5)
㉔	Touch AF/AE (☞P.6-14)	🖐 Valid 🖐off Invalid
㉕	Color mode set	Normal Normal Sepia Sepia Mono Monochrome Vivid Vivid Natural Natural White Whitening Suntan Suntan
㉖	Activate Album-Touch	Activate Album-Touch to view captured images ● Use as a slideshow (☞P.6-18) ● Touch ◙ on Display to return to Viewfinder
㉗	Menu	View function menu
㉘	Zoom	Change zoom level ● Use 🔘 or Speed Selector to change level
㉙	Show Indicator	Show/hide indicators ● Toggle by ▲

● Operations in ❶ - ⓲ are the same as Camera mode/Video camera mode. Toggling settings by key press is not available.
● To change capture settings: ☞P.6-15
● ▼ to toggle flash settings (❻)

Note

● Alternatively, activate Camera-Touch from **Main Menu** ▶ **Camera** ▶ **Camera-Touch**

Capturing Still Images

1 ☐(🔲) → Frame subject

2 ⊙ or ☐(🔲) to release shutter

Camera auto-focuses on subject.
Shutter click sounds at fixed volume.
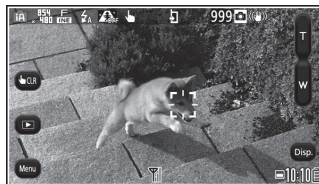Image is automatically saved.

3 🔚 to exit

Touch AF/AE

Touch subject to activate AF tracking. Camera adjusts focus and exposure while tracking subject.

● Available only when Touch AF/AE (☞P.6-15) is set to **Valid**.

1 Touch subject in Viewfinder

When subject is recognized, AF tracking guide turns yellow and begins tracking subject.

● To cancel: 🔲 or 🔲 on Display

2 ⊙ or ☐(🔲) to capture the image

Note
● AF tracking is canceled when subject moves out of Viewfinder.
● Camera may track another subject depending on situation.
● AF tracking is not available while Auto shutter is active or depending on image size.

Functions Available while Shooting

Touch ⊕ in Viewfinder or indicators at upper left of Display to open window below. Follow onscreen instructions.

Note
- Photo mode returns to **Intelligent Auto** next time Camera-Touch activates.
- Focus setting returns to **Face Detection** once Album-Touch is opened from Viewfinder.

Album-Touch

View still images saved in Pictures folder (Data Folder) using Album-Touch. View or search images by Touch Panel operations. Slideshows are also available with a variety of effects.

- Only JPEG files are supported by Album-Touch.
- Touch Panel operations: ☞P.1-21, P.6-17

Viewing Still Images

1 Press and hold ▲
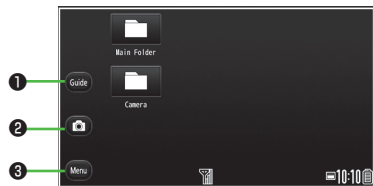Folder list appears.

Folder List Window

2 Touch a folder
File list appears.

3 Touch a file
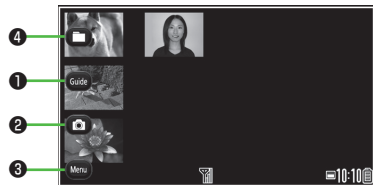File detail appears.

Note
- Alternatively, activate Album-Touch from **Main Menu** ▶ **Camera**
  ▶ **Album-Touch** or **Main Menu** ▶ **Data Folder** ▶ **Pictures**
  ▶ **Album-Touch**
- View Album-Touch window on TV set (☞P.11-13).
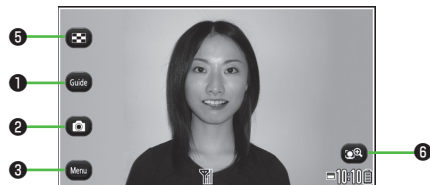
Album-Touch Functions

Touch Display for following functions. Follow onscreen instructions.

Folder List Window

File List Window

File Detail Window

	Item	Description
➊	Guide	View operating instructions
➋	Activate Camera-Touch[1]	Activate Camera-Touch
➌	Menu	View function menu
➍	Folder List	View folder list
➎	File List	View file list
➏	Face Zoom[2]	Enlarge faces ● When more than one face is detected, touch indicator to show one face after another.

[1] Available only when Album-Touch is activated by 🖻 in Camera-Touch viewfinder.

[2] Available only when faces are detected

Note

● Each touch in file detail window toggles indicators on/off.
● Face zoom may not be available depending on still image. Faces detected by Beauty plus (☞P.6-17) may not correspond with those detected by Face zoom.

■ Functions Available in Folder/File List Window

Touch **Menu** in folder/file list window for following functions. Follow onscreen instructions.

Item	Operation/Description
Slideshow	Start slideshow (☞P.6-18)
Kisekae*	Change theme for folder list
Icon	Toggle indicators on/off ● Alternatively, toggle by ▲

* Folder list window only

■ Functions Available in File Detail Window

Touch **Menu** in file detail window for following functions. Follow onscreen instructions.

| Item	Operation/Description
Slideshow	Start slideshow (☞P.6-18)
Zoom	Enlarge to 200%
Rotate	Each tap rotates image 90° clockwise
Attach to S! Mail	Send file via S! Mail (☞From Step 2 on P.14-4)
Post blog	Post file to a blog (☞P.8-7)
Effect	Set slideshow effects
Delete	Delete file
Icon	Toggle indicators on/off ● Alternatively, toggle by ▲
Beauty plus	Detect up to five faces to correct and save

Note

● Some files may not appear right side up when posted to a blog.

Touch Panel Operations

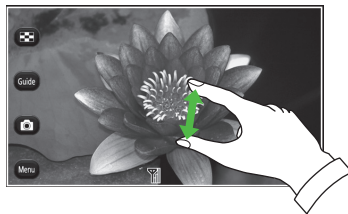**Use Touch Panel operations in Album-Touch.**

■ Scroll Page/Screen (Swipe)

● Swipe finger left/right to scroll pages in file list window.
● Swipe finger left/right to scroll screen in file detail window.
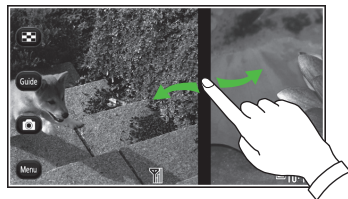
■ Zoom (Pinch)

Spread/pinch fingers in file detail window to enlarge/reduce images.

Slideshow-Touch

View files in succession.

1 Press and hold ▲

2 **Play All Images**
Menu → *Slideshow*

Play Selected Folder
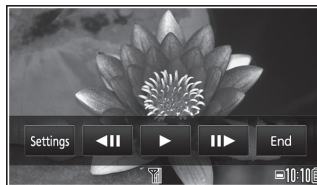Select a folder → *Menu* → *Slideshow*
Slideshow starts.

Note

● Press and hold ⊙ in Standby to show files in all folders.

Slideshow Operations

Touch Display during slideshow to pause and open menu. Follow onscreen instructions.

■ Change Slideshow Settings
Touch *Settings* during a pause to access following settings.
Follow onscreen instructions.

Item	Operation/Description
Time	Set time to show each file
Effect	Set effects
Face zoom	Enlarge faces
Random	Show files randomly
Repeat	Repeat slideshow
Icon	Toggle indicators on/off ● Alternatively, toggle by ▲

Note

● Face zoom may not be available depending on still image. Faces detected by Beauty plus (☞P.6-17) may not correspond with those detected by Face zoom.