

Camera

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Before Using Camera

832P features approximately 3.2 Mega Pixel CMOS Auto-focus Camera capable of capturing still images and videos.

Image File Formats

Captured images/videos are saved to Data Folder.

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

- To save files to microSD Card: Storage setting: P.6-8

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.

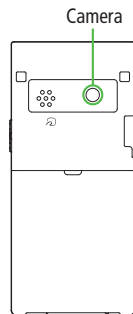
Shutter Click

Shutter click sounds at fixed volume even in Manner Mode.

- To change shutter click sound: P.6-8

Camera

Press in Standby to activate Camera, or press and hold in Standby to activate Video Camera.

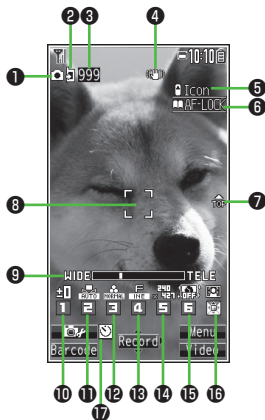


Note

- Alternatively, **Main Menu** ► **Camera** ► **Camera** or **Video Camera**
- 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 preview window for three minutes, Camera is canceled and previous window returns.

Camera Display Indicators

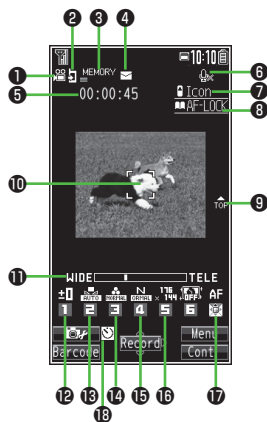
Picture Preview Window



	Item	Description	Operation
1	Toggle Camera mode	Camera mode / Action mode (Auto/Auto bracket/Manual) (Cont. shooting set.: P.6-8)	[Video/Cont./Camera] ● Switch Action mode: P.6-8
2	Storage setting	Phone microSD Card	9
3	No. of frames	Show number of remaining frames	—
4	Image stabilizer	Correct camera shake	(P.6-8)
5	Indicator	Turn indicators on/off	
6	Auto Focus Lock	Lock focus on the subject (P.6-10)	
7	Top indicator	Indicate vertical direction	—
8	Focus Guide	Adjust focus automatically	—
9	Zoom bar	Indicate zoom level (P.6-7)	zoom in / zoom out ● Long press: continuous zoom
10	Brightness*	Adjust brightness (Level -3 to +3)	1 → Select a level
11	White balance*	Auto Fine Cloudy Light bulb Fluorescent light	2 → Select a mode
12	Photo mode*	Normal Portrait Sports Food Scenery Night mode Backlight Character Snow Sunset Pet	3 → Select a mode
13	Image quality*	Normal FINE Super fine	4 → Select a mode
14	Image size*	3M 2M Wide 2M 1M VGA Stand-by QVGA QCIF Sub-QCIF	5 → Select a size
15	High Sensitive*	ON OFF	6 → Select on/off
16	Focus* (P.6-9)	Face Detection AF Auto Close-up Landscape	→ Select a mode
17	Auto timer	(P.6-6)	7 → Toggle on/off

* Alternatively, () → to highlight an item → to select a setting

Video Preview Window






	Item	Description	Operation
1	Toggle Camera mode	Video camera mode	[Video/Cont./Camera]
2	Storage setting	Phone microSD Card	9
3	Memory capacity bar	Indicate memory status (appears in red when memory is full)	—
4	File size setting	Mail restrict'n(S) Long time	(P.6-8)
5	Recordable time	Indicate recordable time	—
6	Movie type set	Records only video	(P.6-8)
7	Indicator	Turn indicators on/off	
8	Auto Focus Lock	Lock focus on the subject (P.6-10)	
9	Top indicator	Indicate vertical direction	—
10	Focus Guide	Adjust focus automatically	—
11	Zoom bar	Indicate zoom level (P.6-7)	zoom in/ zoom out ● Long press: continuous zoom
12	Brightness*	Adjust brightness (Level -3 to +3)	1 → Select a level
13	White balance*	Auto Fine Cloudy Light bulb Fluorescent light	2 → Select a mode
14	Photo mode*	Normal Portrait Sports Food Scenery Night mode Backlight Character Snow Sunset Pet	3 → Select a mode
15	Image quality*	Normal Fine Super fine	4 → Select a mode
16	Image size*	VGA HVGA Wide QVGA QCIF Sub-QCIF	5 → Select a size
17	Focus* (P.6-9)	AF Auto Close-up Landscape	→ Select a mode
18	Auto timer	(P.6-6)	7 → Toggle on/off

* Alternatively, → → to highlight an item → to select a setting

Pictures/Videos


- Confirm battery strength (☞P.1-9) and memory (☞P.6-8) 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.6-8).

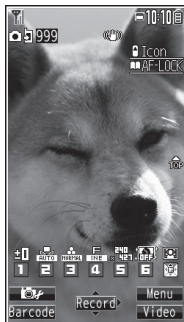
Capturing Still Images (Camera Mode)

- 1 Press  to activate Camera
- 2 Frame subject
- 3  [Record] or  to capture the image

Shutter click sounds at fixed volume.
Image is automatically saved.

- When **Focus** is set to **Auto** or **Face Detection**, Camera automatically focuses on subject before capturing image.






- 4  to exit
Return to Standby.



Picture Preview Window

Continuous Shooting



Capture a succession of up to 20 still images automatically with a single press.

- 1 In Picture Preview Window,
 [Video] →  [Cont.]
 appears (Indicators vary by Action mode).
 - To set Continuous Shooting: ☞P.6-8
- 2 Frame subject →  [Record] or 
Images are automatically saved.
 - When **Focus** is set to **Auto**, Camera automatically focuses on subject before capturing image.
 - To stop shooting halfway: **CLR**

Recording Videos (Video Camera Mode)

1 Press and hold  to activate Video Camera

2 Frame subject



3  [Record] or  to start recording

Tone sounds.

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



Video Preview Window

4  [Stop] 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] or  (→ For video,  [Stop] 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 preview window without canceling Auto timer.
- Auto timer is not available when **Cont. shooting set.** is set to **Manual**.

Zoom

>  (zoom in) or  (zoom out) to adjust zoom →  [Record] or 

● Press and hold  for continuous zoom.

● Zoom is available during video recording.

● Zoom is disabled when **Image size** is set as follows:

· **3M** or **2M Wide** (Camera mode)

● Zoom may change image quality.

● Maximum zoom levels for individual image size are as follows.


Camera mode	Size	Zoom level	Max. level (approx.)
Camera (High sensitiv.: OFF)	3M (1536×2048)	1 level	1.0 times
	2M Wide (1920×1080)	1 level	1.0 times
	2M (1200×1600)	6 levels	1.3 times
	1M (960×1280)	11 levels	1.6 times
	VGA (640×480)	21 levels	3.2 times
	Stand-by (240×427)	21 levels	2.4 times
	QVGA (240×320)	21 levels	3.2 times
	QCIF (176×144)	31 levels	5.3 times
Sub-QCIF (128×96)	31 levels	8.0 times	
Camera (High sensitiv.: ON)	VGA (640×480)	11 levels	1.6 times
	Stand-by (240×427)	21 levels	2.4 times
	QVGA (240×320)	21 levels	3.2 times
	QCIF (176×144)	31 levels	5.3 times
	Sub-QCIF (128×96)	31 levels	8.0 times
Continuous shooting	VGA (480×640)	11 levels	1.6 times
	QVGA (240×320)	21 levels	3.2 times
	QCIF (144×176)	31 levels	5.3 times
	Sub-QCIF (96×128)	31 levels	8.0 times

Camera mode	Size	Zoom level	Max. level (approx.)
Video camera	VGA (640×480)	11 levels	1.6 times
	HVGA Wide (640×352)	11 levels	1.6 times
	QVGA (320×240)	21 levels	2.4 times
	QCIF (176×144)	31 levels	4.4 times
	Sub-QCIF (128×96)	31 levels	6.0 times

■ Functions Available in Preview Window


- Change settings before initiating image capture. Some functions are changeable with simple key operations (☞P.6-3, P.6-4).
- Some operations are not available depending on camera mode or image size.



>  [Menu] → Select an item (See below)

Item	Operation/Description
CHG camera-mode	> <i>Camera mode, Video camera mode, Action mode</i> or <i>Bar code reader</i>
Folder jump	Open destination folder
Image size	> Select a size
File size setting	Select <i>Mail restrict'n(S)</i> for S! Mail attachments or <i>Long time</i> for long-time recording
Image quality	> Select an item <ul style="list-style-type: none"> ● In Video camera mode, this function is available only when <i>File size setting</i> is set to <i>Long time</i>.
Camera settings	> Select an item <ul style="list-style-type: none"> · <i>Brightness</i> →  · <i>White balance</i>: Adjust color tone · <i>Color mode set</i>: Select a color mode · <i>Photo mode</i>: Select a mode suitable for the place · <i>Focus</i>: ☞P.6-9 · <i>Img. stabilizer</i>: Minimize camera shake automatically · <i>Shoot with frame</i>: Add frame to image · <i>Shutter sound</i>: Select a shutter click sound · <i>Flicker correction</i>: Minimize flicker while shooting near fluorescent light
Storage setting	> Select an item <ul style="list-style-type: none"> · <i>Store in</i> → <i>Phone</i> or <i>microSD</i> · <i>Auto save set</i> → <i>ON</i> or <i>OFF</i>

Item	Operation/Description
High sensitiv.	> <i>ON</i> or <i>OFF</i>
Auto timer	(☞P.6-6)
Cont. shooting set.	> Select an item <ul style="list-style-type: none"> · <i>Action mode: Manual</i> captures one picture at a time. <i>Auto bracket</i> captures nine different still images automatically. · <i>Shot interval</i>: Select an interval when <i>Action mode</i> is set to <i>Auto</i>. · <i>Shot number</i>: Set number of images to be captured when <i>Action mode</i> is set to <i>Auto</i> or <i>Manual</i>. Details are 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
Movie type set	> <i>Normal</i> or <i>Video</i>
Display size	Select preview window size > <i>Actual size</i> or <i>Fit in display</i>
Attach S!Mail mode	> <i>YES</i> or <i>NO</i> <ul style="list-style-type: none"> ● Image size, File size setting and Image quality are set to following (respectively): <i>QCIF, Mail restrict'n(S), Normal</i>
Icon	Show/hide display indicators > <i>ON</i> or <i>OFF</i>
Memory Status	View memory information

■ Functions Available after Shooting

- Available only when **Auto save set** (☞P.6-8) is **OFF**
 - Some operations are not available depending on camera mode or image size.
- > [Menu] → Select an item (See below)

Item	Operation/Description
Play	Play back recorded video
Save	> Select a folder
Store all/ animat'n	> Save or Mirror save → Select a folder → <New>
Mirror save	> Select a folder
Attach to S! Mail	Send file via S! Mail > Select a folder → Create a message (☞From Step 2 on P.13-4)
Set display	Set as wallpaper, Phone Book image, etc. > Select a folder → Select an item
Change frame*	> Select a frame →  [Set] →  [Save] → Select a folder
Store in	> Phone or microSD
Mirror display/ Normal display	Switch Mirror/Normal display
Display size	Set image size in preview window > Actual size or Fit in display
Icon	Show/hide display indicators > ON or OFF
Cancel	Discard image to return to preview window

* Available only when shooting with frame




Focus Functions

Changing Focus Settings

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

Select a focus setting according to occasion.
Focus on Individual scenes automatically.

- Face Detection (Camera mode only): For portraits
- Auto: Auto detection
- Close-up: For nearby objects
- Landscape: For distant landscapes




- 1 In Picture/Video Preview Window, 
- 2  to select a setting → 

Face Detection

- Detect up to three 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.
- Shoot with Auto focus if detection fails.

Auto Focus Lock

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

- 1 In Picture/Video Preview Window, adjust Focus Guide to subject → 
 - ① When in focus, handset sounds.
 - ② Focus Guide turns green, and focus is locked.
 - When out of focus, Focus Guide turns red.
 - To try again: **CLR**
- 2 Determine composition
- 3 Capture image in selected camera mode (Camera/
Action mode:  P.6-5 / Video camera mode:  P.6-6)

Viewing Saved Images

Main Menu ► Camera

- 1 **Open Pictures**
Pictures
Open Videos
Videos
- 2 Select a folder
- 3 Select a file




Example: Pictures

■ Open Pictures Saved on microSD Card

> After selecting *Pictures* in Step 1,  [microSD] → Select a folder

■ Open Videos Saved on microSD Card

> After selecting *Videos* in Step 1,  [microSD] → Select a folder

Tip

- Editing Still Images ( P.9-12)