

# Camera

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## Before Using Camera

840P features approximately Two Mega Pixel CMOS Auto-focus Camera capable of capturing still images and videos.

### Image File Formats

Still images/videos are saved to Data Folder.

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

- To save to Memory Card: P.5-3

### Notes

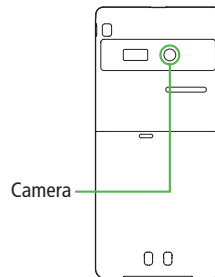
- Remove dust/debris from lens cover with a soft cloth.
- Handset movement may blur images especially in dark places; hold handset firmly.
- Capturing/saving images immediately after handset has been left in a hot place may affect image quality.
- Exposing lens to direct sunlight may affect image quality.
- While Camera is active, Notification Light/Charging Indicator illuminates or flashes. 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.15-15

## Camera

Press in Standby to activate Camera, or press in Picture Preview Window to activate Video Camera; press and hold in Standby to activate Magnifying Loupe ( P.5-8).



### Note

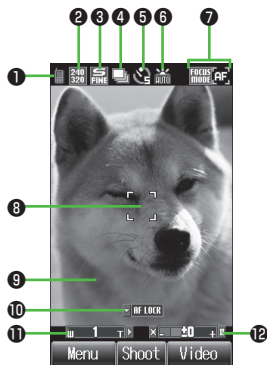
- Alternatively, **Main Menu** ► **Camera** ► **Camera, Video Camera** or **Magnifying Loupe**.
- Camera is not available when battery is low.
- Incoming calls, Alarm and low battery cancel Camera. Captured images/recorded videos are saved.
- When left in preview window for three minutes, Camera is canceled and previous window returns.

## Camera Display Indicators

● Images shown below are for reference only.

### Picture Preview Window

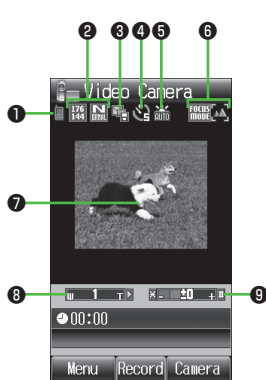
● Press **0** to open key assignment guide.



	Item	Description	Operation												
1	Save to	Phone Memory Card	1												
2	Size	<table border="0"> <tr> <td>1200 1600</td> <td>UXGA</td> <td>960 1280</td> <td>SXGA</td> <td>480 640</td> <td>VGA</td> </tr> <tr> <td>240 320</td> <td>QVGA</td> <td>120 160</td> <td>QQVGA</td> <td></td> <td>Wallpaper</td> </tr> </table>	1200 1600	UXGA	960 1280	SXGA	480 640	VGA	240 320	QVGA	120 160	QQVGA		Wallpaper	2
1200 1600	UXGA	960 1280	SXGA	480 640	VGA										
240 320	QVGA	120 160	QQVGA		Wallpaper										
3	Quality	<table border="0"> <tr> <td><b>S</b> FINE</td> <td>Super Fine</td> <td><b>F</b> INE</td> <td>Fine</td> <td><b>N</b> ORMAL</td> <td>Normal</td> </tr> </table>	<b>S</b> FINE	Super Fine	<b>F</b> INE	Fine	<b>N</b> ORMAL	Normal	3						
<b>S</b> FINE	Super Fine	<b>F</b> INE	Fine	<b>N</b> ORMAL	Normal										
4	Multi Shot (P.5-5)	Multi Shot	4												
	Night Mode (P.15-15)	Night Mode	6												
5	Self-Timer (P.5-6)	5 seconds 10 seconds	5												
6	White Balance (P.15-15)	<table border="0"> <tr> <td><b>AUTO</b></td> <td>Automatic</td> <td><b>F</b></td> <td>Fine</td> </tr> <tr> <td><b>C</b></td> <td>Cloudy</td> <td><b>L</b></td> <td>Light Bulb</td> </tr> </table>	<b>AUTO</b>	Automatic	<b>F</b>	Fine	<b>C</b>	Cloudy	<b>L</b>	Light Bulb	8				
<b>AUTO</b>	Automatic	<b>F</b>	Fine												
<b>C</b>	Cloudy	<b>L</b>	Light Bulb												
7	Focus Setting (P.15-15)	<table border="0"> <tr> <td><b>AF</b></td> <td>Auto Focus</td> </tr> <tr> <td><b>CU</b></td> <td>Close-up</td> </tr> <tr> <td><b>SC</b></td> <td>Scenery</td> </tr> </table>	<b>AF</b>	Auto Focus	<b>CU</b>	Close-up	<b>SC</b>	Scenery	0						
<b>AF</b>	Auto Focus														
<b>CU</b>	Close-up														
<b>SC</b>	Scenery														
8	Focus Guide (P.5-6)	Adjust focus automatically	-												
9	Effect (P.15-15)	Normal/Sepia/Monochrome/Negative	7												
10	Auto Focus Lock	Lock focus on the subject	0 to set Auto Focus Lock												
11	Zoom	Indicate zoom level (Level 1 to 25)	<table border="0"> <tr> <td><b>+</b></td> <td>to zoom in/</td> </tr> <tr> <td><b>-</b></td> <td>to zoom out</td> </tr> </table> <ul style="list-style-type: none"> <li>● Long press: continuous zoom</li> </ul>	<b>+</b>	to zoom in/	<b>-</b>	to zoom out								
<b>+</b>	to zoom in/														
<b>-</b>	to zoom out														
12	Brightness	Adjust brightness (Level -2 to +2)	# Brighter/⊗ darker												

## Video Preview Window

- Press **(0)** to open key assignment guide.



	Item	Description	Operation
1	Save to	Phone Memory Card	(1)
2	Quality	352 / S FINE Super Fine 288 / F FINE Fine 176 / F FINE Fine 144 / N NORMAL Normal	(3) ● Available only when Recording Time is set to <b>Extended Video</b> .
3	Recording Time	Attach to S! Mail Extended Video	(2)
4	Self-Timer (☞ P.5-6)	5 seconds 10 seconds	(5)
5	White Balance (☞ P.15-16)	AUTO Automatic ☼ Fine ☁ Cloudy ☛ Light Bulb	(8)
6	Focus Setting (☞ P.15-16)	FOCUS MODE Close-up FOCUS MODE Scenery	(0)
7	Effect (☞ P.15-16)	Normal/Sepia/Monochrome/Negative	(7)
8	Zoom	Indicate zoom level (Level 1 to 25)	(Z) to zoom in/ (Z) to zoom out ● Long press: continuous zoom
9	Brightness	Adjust brightness (Level -2 to +2)	(#) Brighter/(*) darker

# Pictures/Videos

- Confirm battery strength (🔋 P.1-9) and available memory (📁 P.15-15, P.15-16) before recording. When battery is low, video cannot be recorded.

## Capturing Still Images

- 1 Press to activate Camera
- 2 Frame subject
- 3 [Shoot] to capture the image  
 Camera automatically focuses on subject before capturing image.  
 Shutter click sounds at fixed volume.
- 4 [Save]
  - To return to preview window without saving the image:
- 5 to exit  
 Return to Standby.



Picture Preview Window

**Note**

- Data Folder opens when Phone memory becomes full. Delete files; image is automatically saved.
- If save location is set to Memory Card and memory becomes full, image is saved to Phone memory automatically.



## Continuous Shooting

Capture a succession of 15 still images automatically with a single press.

- Picture size is fixed to **QVGA (240x320)**.
- When **Multi Shot** is **ON**, Night Mode is set to **OFF** automatically.

- 1 In Picture Preview Window, (4)
- 2 Frame subject → [Shoot]
  - Image thumbnails appear.
  - To stop shooting halfway:
  - To return to preview window without saving the image: [Delete] → Go to Step 1
- 3 To view captured images, to select an image  
 Full-size image appears.
  - to toggle full-size images.
- 4 **When Viewing a Full-size Image**
  - [Save All] or [Save]
    - Press [Save] to save the full-size image.**When Viewing Thumbnailed Images**
  - [Menu] → *Save All Pictures* or *Save This One Only*

## Recording Videos

1  →  to activate Video Camera

2 Frame subject


3  [Record] to start recording

Tone sounds.

4  [Stop] to end recording

Tone sounds.

- Recording stops automatically at maximum recording time.

- To return to preview window without saving the image:  [Back]
- To review: *Playback*

5 To save the video, select *Save to Data Folder*

6  to exit

Return to Standby.

### Note

- If Phone memory becomes full, Data Folder opens. Delete files; image is automatically saved.
- If save location is set to Memory Card, file is saved to Memory Card automatically. To delete the saved file, select *Delete*.








Video Preview Window

## Functions Available while Shooting







From  Camera:   
Video Camera:  → 

### Auto Focus Lock

To focus on an off-centered subject, lock focus on the subject and recompose your picture.

- Check if Focus Setting is set to *Auto Focus* ( P.5-3).
- > Adjust Focus Guide to subject →  → When focus is on subject, recompose your picture →  [Shoot] →  [Save]
- When in focus, handset sounds and Focus Guide turns green.
- To try again: 

### Self-Timer

- >  → Frame subject →  [Shoot]/[Record] ( → For Video Camera,  [Stop] →  [Save] or *Save to Data Folder*
- Self-Timer tone sounds. After set period of time, shutter is released and capturing starts.
- Press  to toggle *5 seconds*, *10 seconds* and *OFF*.
- When Self-Timer is active, press  [Cancel] to return to preview window without canceling Self-Timer.

### Send Still Images via S! Mail

> Frame subject → **[Shoot]** → **[S! Mail]** → Create message  
(☞ From Step 2 on P.12-4)

### Send Video via S! Mail

● Set Recording Time to **Attach to S! Mail** beforehand (☞ P.5-4).  
> Frame subject → **[Record]** → **[Stop]** → **Attach to S! Mail** → Create message (☞ From Step 2 on P.12-4)

#### Note

- Attach image files up to 290KB. Files exceeding the limit are saved to Data Folder. Resize still images to attach (☞ P.8-11).
- Images captured by handset Camera may rotate 90° on cross-carrier handsets or PC.

### Set Still Images to Wallpaper

> Frame subject → **[Shoot]** → **[W.paper]**  
● The image is saved to Data Folder.

### Camera Settings

- Default Settings: ☞ P.15-15, P.15-16
- Available settings per image size are as follows.

#### Still Image

Size	Zoom Level	Zoom Ratio*
UXGA(1200x1600)	—	—
SXGA(960x1280)	1 - 2	1.3x
VGA(480x640)	1 - 25	2.5x
QVGA(240x320)	1 - 25	5.0x
QQVGA(120x160)	1 - 25	10.0x
壁紙(240x427)	1 - 25	3.7x

### Video

	Recording Time*		Quality (Dots)	Zoom Ratio*
	Phone	Memory Card		
<b>Attach to S! Mail</b>	30 seconds	30 seconds	Normal (176 x 144)	6.8x
	160 seconds	60 minutes	Normal (176 x 144)	6.8x
<b>Extended Video</b>	85 seconds	60 minutes	Fine (176 x 144)	6.8x
	30 seconds	45 minutes	Super Fine (352 x 288)	3.4x

\* Values are approximates.

- Video Camera zoom level: 1 - 25
- Set Night Mode to ON when capturing still images in dark places; record video in well-lit conditions.
- Pictures and Videos folders share memory with other folders in Data Folder. Files saved in other folders reduce available memory for picture/video files.
- The number of files that can be saved to Memory Card depends on the capacity of the card in use.

## Viewing Saved Images

Main Menu ► Data Folder

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



Example: Pictures

### ■ Open Pictures Saved on Memory Card

> After selecting *Pictures* in Step 1, *Switch to Digital Camera* → Select a folder

### ■ Open Videos Saved on Memory Card

> After selecting *Videos* in Step 1, *Switch to Video Camera* → Select PRL folder

### Tip

- Editing Still Images (☞ P.8-11)

## Magnifying Loupe

Use handset as a magnifying glass. Enlarged image appears on Display at camera's maximum zoom level. Freeze image on Display for easy viewing.

- 1 Press and hold 

Magnifying Loupe is activated.

  - To adjust brightness: or
  - To adjust zoom:
  - Frame subject from as close ten centimeters. If focus detection stalls, adjust distance from subject by moving handset.
  - Press to adjust focus.
- 2 To freeze image on Display, [Still]
  - To cancel: [Back]