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## Before Using Camera

831P features Two Mega Pixel CMOS Auto-focus Camera capable of capturing still images and videos.

### Image File Formats


Image Type	File Format	Save Location	Storage*
Still images	JPEG (.jpg)	Data Folder (Pictures)	Approx. 1000
Videos	MPEG-4 (.3gp)	Data Folder (Videos)	Approx. 130

\* Storage size is based on default settings





### Notes

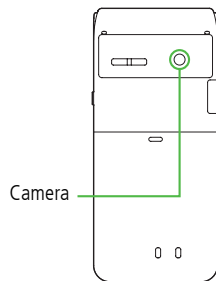
- Remove dust/debris from lens cover with a soft cloth.
- Handset movement may blur images; hold handset firmly.
- Capturing/saving images immediately after handset has been left in a hot place may affect image quality.
- Exposing lens to direct sunlight may affect image quality.

#### 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  in Picture Preview Window to activate Video Camera; press and hold  in Standby to activate Magnifying Loupe ( P.6-10).



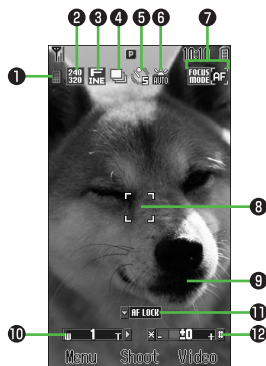
#### Note

- 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 video clips are retained.
- When left in preview window for three minutes, Camera is canceled and previous window returns.

## Camera Display Indicators

### Picture Preview Window

- Press to open key assignment guide.



	Item	Description	Operation
①	Save to	Phone  Memory Card	
②	Size	UXGA  SXGA  VGA QVGA  QQVGA  Wallpaper	
③	Quality	Super Fine  Fine  Normal	
④	Multi Shot ( P.6-5)	Multi Shot	
	Night Mode ( P.6-8)	Night Mode	
⑤	Self-Timer ( P.6-7)	5 seconds  10 seconds	
⑥	White Balance ( P.6-8)	Automatic  Fine Cloudy  Light Bulb	
⑦	Focus Setting	Auto Focus Close-up  Scenery	
⑧	Focus Guide ( P.6-7)	Adjust focus automatically	—
⑨	Effect ( P.6-8)	Normal/ Sepia/Monochrome/Negative	
⑩	Zoom	Indicate zoom level (Level 1-25)	to zoom in/ to zoom out ● Long press: continuous zoom
⑪	Auto Focus Lock	Lock focus on the subject	to set Auto Focus Lock
⑫	Brightness	Adjust brightness (Level -2 - +2)	Brighter/  Darker

## Video Preview Window

- Press to open key assignment guide.



	Item	Description	Operation
①	Save to	Phone  Memory Card	1
②	Quality	<b>FINE</b> Super Fine <b>FINE</b> Fine <b>N</b> 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.6-7)	5 seconds  10 seconds	5
⑤	White Balance (☞ P.6-8)	Automatic  Fine Cloudy  Light Bulb	8
⑥	Focus Setting	<b>FOCUS MODE</b> Close-up <b>FOCUS MODE</b> Scenery	6
⑦	Effect (☞ P.6-8)	Normal/ Sepia/Monochrome/Negative	7
⑧	Brightness	Adjust brightness (Level -2 - +2)	# Brighter/  * Darker
⑨	Zoom	Indicate zoom level (Level 1-25)	to zoom in/ to zoom out ● Long press: continuous zoom

## Pictures/Videos

- Confirm battery strength (🔋 P.1-9) and memory (💾 P.8-4) 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

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 (💾 P.6-9) 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 clip: *Playback*
- 5 To save the video clip, select *Save to Data Folder*
- 6  to exit  
Return to Standby.



Video Preview Window

### Note

- If Phone memory becomes full, Data Folder opens. Delete files; image is automatically saved.
- If Save to is set to Memory Card (P.6-9), file is saved to Memory Card automatically. To delete the saved file, select *Delete*.

## Functions Available while Shooting

From ► 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.6-3).

> 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.
- Incoming calls or Alarm cancel image capture. Self-Timer is canceled and previous menu returns.

## Default Settings

Item	Still Image	Video
Size	Wallpaper(240x427)	—
Quality	Fine	Normal (176 x 144)
Recording Time	—	Attach to S! Mail
Focus Setting	Auto Focus	Scenery
Night Mode	OFF	—
Multi Shot	OFF	—
Effect	Normal	Normal
White Balance	Automatic	Automatic
Self-Timer	OFF	OFF
Shutter Sound	Pattern 1	—
Save to	Phone	Phone
Auto Image Saving	OFF	OFF

- Maximum zoom levels for individual image size are as follows.  
Still Image

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

Video (Attach to S! Mail)

Recording Time (Approx.)		Quality (Dots)	Max. Ratio (Approx.)
Phone	Memory Card		
30 seconds	30 seconds	Normal (176 x 144)	6.8 times

Video (Extended Video)

Recording Time (Approx.)		Quality (Dots)	Max. Ratio (Approx.)
Phone	Memory Card		
160 seconds	60 minutes	Normal (176 x 144)	6.8 times
85 seconds	60 minutes	Fine (176 x 144)	6.8 times
30 seconds	45 minutes	Super Fine (352 x 288)	3.4 times

- Video Camera zoom level: 1 - 25
- Record video in well-lit conditions.
- Pictures/Videos folder shares memory with Pictures, Sounds, S! Appli, etc. in Data Folder. Saved still images, S! Appli, etc. reduce available memory for pictures/videos.
- The number of files that can be saved to Memory Card depends on the capacity of the card in use.

## ■ Functions Available in Preview Window

- Select options before capturing/recording; use Direct Keys (☞ P.6-3, P.6-4).

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

Item	Operation/Description
<b>Size*1</b>	Select image size > Select a size
<b>Quality</b>	Select quality. For Video Camera, this setting available only when <b>Recording Time</b> is <b>Extended Video</b> . > Select an item
<b>Recording Time*2</b>	Select recording time > <b>Extended Video</b> or <b>Attach to S! Mail</b>
<b>Focus Setting</b>	Switch settings according to subject > Select an item
<b>Night Mode*1</b>	Use in low light conditions > <b>ON</b> or <b>OFF</b>
<b>Multi Shot*1</b>	Capture 15 images sequentially (☞ P.6-5) > <b>ON</b> or <b>OFF</b>
<b>Effect</b>	Select a color for images > Select an item
<b>White Balance</b>	Select a lighting condition to adjust image color temperature. > Select an item
<b>Self-Timer</b>	Set Self-Timer > Select an item
<b>Shutter Sound*1</b>	Change shutter click sound ● Volume is fixed. > Select a pattern



Item	Operation/Description
Save to	Select a save location (Phone or Memory Card) > <b>Phone</b> or <b>Memory Card</b>
Auto Image Saving	Select whether to save captured images automatically > <b>ON</b> or <b>OFF</b>
Available Memory	The number of savable still images at the specified size and quality. For video, total recording time and maximum available recording time for one file at the specified recording time ( <b>Extended Video</b> or <b>Attach to S! Mail</b> ) and quality. >  to select an item ● Press  [Quality] to toggle <b>Normal</b> , <b>Super Fine</b> and <b>Fine</b> . (Unavailable when <b>Attach to S! Mail</b> is set for video)
Reset Defaults	Reset current Camera/Video Camera settings to defaults >
Help	Open key assignment guide

\*1 Still Images only

\*2 Videos only

## Viewing Saved Images

Main Menu ► Data Folder

### 1 Open Pictures

**Pictures**

**Open Videos**

**Videos**

### 2 Select a file

Selected image appears.



Example: Pictures

### Opening Pictures Saved on Memory Card

After selecting **Pictures** in Step 1, select **Switch to DigitalCamera**  
→ Select a folder

### Opening Videos Saved on Memory Card

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




**Tip**

● Editing Still Images (📄 P.8-10)



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Camera

## Sending Images/Videos



From ▶ Camera:   
Video Camera:  → 

### Send Still Images via S! Mail

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

### Send Video via S! Mail

● Recording time must be set to **Attach to S! Mail** beforehand (☞ P.6-4).

> Frame subject →  [Record] →  [Stop] → **Attach to S! Mail**  
→ Create S! Mail (☞ From Step 2 on P.12-4)

#### Note

- Attach up to 290KB. Images over 290KB cannot be attached to S! Mail and saved to Data Folder. Resize still images to attach (☞ P.8-10).
- Images captured by 831P 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 automatically.

## Magnifying Loupe

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

### 1 Press and hold

- When in focus, handset sounds and Focus Guide disappears.
- To try again: 
- 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.