Camera

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Capture still images and record videos with handset camera.

**Capture Still Images/Videos**

**Wide Range of Image Sizes**
Select image size accordingly. Use small sizes for S! Mail attachments and larger sizes for saving high resolution images.

**Photo Modes**
Select a mode suited to the subject/scene such as Portrait, Scenery and Sports mode.

**Various Features**
Features include:
- Auto Timer
- Continuous Shooting
- Adding Frames
(P. 7-12, P. 7-13)

**Smile Mode**
Shutter automatically releases when Camera detects a smile (P. 7-12).

- Still images are saved in JPEG format and videos in MPEG4 format.
- Clean the lens with soft cloth. Fingerprints or grime on the lens may result in blurred images.
- Handset movement during shooting may cause image blurring when Shake Correction is OFF. Setting Shake Correction to Auto is recommended.
- Although Camera is made with high-precision technology, some pixels may appear brighter and some darker.
- Shooting or saving images when handset is warm may affect image quality.
- Exposing the lens to direct sunlight for an extended period may result in discoloration of photo images.
- Shutter click and Auto Timer tone sound at a fixed volume even in Manner Mode.
Viewfinder Indicators

Overview

Landscape View (Share Style/Touch Style)

Portrait View (Communication Style)

Photo Viewfinder

Video Viewfinder

1. Focus Frame (Still Images)
   A white frame appears for Auto Focus. Focus Frame is green when focus is locked, and red if focusing failed.

2. Shake Correction
   Auto

3. Storage Location (Still Image)
   - Handset
   - Memory Card
   Storage Capacity (Still Image)
   White number: 11 or more files
   Yellow number: 10 or less files
   Red number: No memory space

4. Storage Location (Video)
   - Handset
   - Memory Card
   Storage Capacity (Video)
   Blue: 500 KB or more
   Yellow: Less than 500 KB
   Red: No memory space

5. Camera Mode
   - Movie Mode
   - Speed Movie
   - Chance Capture
   - Photo Mode
   - Auto Continuous Shooting
   - Manual Continuous Shooting
   - Voice Mode
   - Panorama Cap. Mode
Overview

Image Size
- Photo Mode/Continuous Shooting
  - 8M (2448 × 3264) to QCIF (176 × 144)
- Panorama Capt. Mode
  - Panorama (4096 × 480) In Communication Style or Share Style
  - Panorama (2738 × 480) In Touch Style
- Movie Mode/Speed Movie/Chance Capture
  - VGA (640 × 480) to QCIF (176 × 144)

Image Quality (Still Image)
- Super Fine
- Normal
- Fine

File Size (Video)
- Mail attachment
- Long time
- Up to 2 MB

Photo Mode
- Auto
- Sports Mode
- Portrait
- Night Mode
- Smile
- Pet
- Scenery
- Food
- Backlight
- OFF

Brightness
- -2 to +2

White Balance
- Auto
- Light bulb
- Fine
- Fluorescent lamp
- Cloudy

AF Mode (Still Image)
- Face ON (Face detection + AF ON)
- AF ON
- Close-up
- AF OFF

AF Guidance (Still Images)
For AF toggle and focus lock

Face Select Mode (Still Image)
- Face selecting mode

Auto Timer
- Auto Timer set

Zoom (16 steps)
- Minimum to Maximum

Recording Type (Video)
- Normal (Video & Sound)
- Video only
- Sound only

Image Quality (Video)
- Long time
- Fine
- Normal
- Super Fine

Recording Status (Video)
- Recording ready
- Recording

Touch Operation Icons
- AF toggle (Photo Mode)
- Light ON or OFF
- Activate Quick Album (Photo Mode)
- Shot video list (Movie Mode)

1 Approximate value.
2 Switches to QVGA (320 × 240) in Speed Movie.
3 Available when Select Size is QCIF (176 × 144).
4 Available only when Photo Mode is set to OFF (in normal and continuous shooting modes).

Auto Save
Captured still images and videos are automatically saved to handset.

Tip
- To set so that a preview window appears after recording:
  [Photo Viewfinder]/[Video Viewfinder] ↔ Auto Save Set ↔ OFF ↔
Overview

Shake Correction
Camera is equipped with Shake Correction. This function reduces camera shake in 6 axial directions for still images and 4 axial directions for videos taken with the rear camera. Set Shake Correction off when not needed.

Switching Cameras

1. [Photo Viewfinder]/[Video Viewfinder] ↔ Front Camera or Rear Camera ↔

Rear Camera
Front Camera

Front Camera
Use to photograph yourself. Image appearing on Display is in mirror display, but the saved image is displayed normally.

Rear Camera
Use for people, animals and scenery. Image appearing on Display appear as seen.
Capturing Still Images

1. Menu ➔ Camera ➔ O ➔ Photo Mode ➔ O

Photo Viewfinder

2. Frame image in Viewfinder ➔ O

When the focus locks, Focus Frame turns green and shutter is released. Image is automatically saved.

Tip
- Alternatively, press and hold Lock to activate Camera in Photo Mode.

Photo Preview Window

Appears when Auto Save Set is set to OFF. Press O to save image.

Photo Preview Window

To Discard Image and Return to Viewfinder

Press and hold CLEAR ➔ YES ➔ O

Tip
- Attach still images to S! Mail or set as wallpaper (P. 7-16, P. 7-17).
- Still images are saved to My Picture in Data Folder. The storage location can be changed to memory card (P. 14-22).
- Shutter clicks even if focusing fails and Focus Frame turns red.

Operations in Viewfinder

<table>
<thead>
<tr>
<th>Operation</th>
<th>Icon</th>
</tr>
</thead>
<tbody>
<tr>
<td>AF Change</td>
<td>☰</td>
</tr>
<tr>
<td>AF Lock</td>
<td>☰ or half-press LOCK</td>
</tr>
<tr>
<td>Light</td>
<td>☹</td>
</tr>
<tr>
<td>Face Select Mode¹</td>
<td>Press and hold ☰ and move Focus Frame to the subject. Press and hold ☰ again.</td>
</tr>
<tr>
<td>Zoom In</td>
<td>⏯</td>
</tr>
<tr>
<td>Zoom Out</td>
<td>⏯</td>
</tr>
<tr>
<td>Open Menu</td>
<td>☶</td>
</tr>
<tr>
<td>Toggle Camera Mode</td>
<td>1</td>
</tr>
<tr>
<td>Select Size</td>
<td>2</td>
</tr>
<tr>
<td>Quality Setting</td>
<td>3</td>
</tr>
<tr>
<td>Photo Mode</td>
<td>4</td>
</tr>
<tr>
<td>Adjust Brightness</td>
<td>5</td>
</tr>
<tr>
<td>White Balance²</td>
<td>6</td>
</tr>
<tr>
<td>Help</td>
<td>0</td>
</tr>
</tbody>
</table>

¹ Available when AF is set to Face ON.
² Available when Photo Mode is set to OFF.
Capturing Still Images

In Touch Style

1. `📸- Camera`

2. Frame image in Viewfinder
   - Press in `LOCK`
   - When the focus locks, Focus Frame turns green and shutter is released.
   - Image is automatically saved.

To Use Zoom
   - `📸` (Zoom Out) or `📸` (Zoom In)

Tip
   - Photo Preview window appears when Auto Save Set is set to OFF.
   - Tap `📸` to save image.

Operations in Viewfinder

Tap Display to open Pallet. Tap items in Pallet to set shooting conditions.

- QUIT or BACK
- CHG Camera-mode
- Brightness
- White Balance
- Face Select Mode

Photo Viewfinder (Touch Style)

Tap area outside Pallet to close Pallet.

Other
- Front or Rear Camera
- Camera Settings : Effect, Flicker or Smile Level
- Auto Timer
- Select Frame
- Save Settings : Auto Save Set or Select to Save
- Shake Correction
- Icon Always Show

Photo Mode

Quality Setting

Select Size

1. Available when Photo Mode is set to OFF.
2. Toggle Face Select Mode and Normal Mode. Available when AF is set to Face ON.
Capturing Still Images

More Features

Advanced

During Shooting
- Use Camera Menu
- Switch Color Modes
- Reduce Flicker
- Check Storage Capacity
- Set Shake Correction

(P. 7-16)

After Shooting
- Zoom In/Out
- Upload Still Image to Blog
- Send Still Image with Graphic Mail
- Send Still Image by Mail
- Show Mirror Image of Shot Still Image
- Save Mirror Image of Shot Still Image
- Show Shot Still Image in Standby

(P. 7-16)

Customize

Camera Settings
- Set Shutter Sound
- Set Display for Landscape View Shooting

(P. 14-22)

File Storage
- Set Storage Location for Still Images

(P. 14-22)
Recording Videos

1. **Camera** ↔ **Movie Mode**

   Video Viewfinder

2. Frame image in Viewfinder ↔

   Recording starts.

3. Rec

   Recording ends.

   Video is automatically saved.

---

**Video Preview Window**

Appears when *Auto Save Set* is set to *OFF*. Press ⌋ to save video.

**Operations in Video Viewfinder**

- **Zoom In**
- **Zoom Out**
- **Light**
- **Open Menu**
- **Toggle Camera Mode**
- **Select Size**
- **File Size Setting**
- **Photo Mode**
- **Adjust Brightness**
- **White Balance**
- **Help**

**Tip**

- Video is saved to Videos in Data Folder. The storage location can be changed to memory card (P. 14-22).

**Tip**

- Key operation tones may be recorded if you adjust zoom, etc. while recording a video.
Recording Videos

In Touch Style

1. [Camera]

2. Tap Display to open Pallet ➔ CHG
   Camera-mode ➔ Movie Mode

3. Frame image in Viewfinder ➔ Lock
   Recording starts.
   - To Use Zoom
     [Zoom Out] or [Zoom In]

4. Lock
   Recording ends.
   Video is automatically saved.

Tip
- Video Preview window appears when Auto
  Save Set is set to OFF. Tap to save video.
- Key operation tones may be recorded if you
  adjust zoom, etc. while recording a video.

Operations in Video Viewfinder

Tap Display to open Pallet. Tap items in Pallet to set shooting conditions.

1. QUIT or BACK
2. CHG Camera-mode
3. Brightness
4. White Balance
5. Other
   - Front or Rear Camera
   - Quality Setting
   - Camera Settings: Effect or Flicker
   - Auto Timer
   - Save Settings: Auto Save Set, Select to
     Save or Movie Type Set
   - Shake Correction
   - Icon Always Show
6. Photo Mode

Operations in Video Viewfinder

Tap area outside Pallet to close Pallet.
Recording Videos

More Features

Advanced

During Shooting
- Use Camera Menu
- Set Image Quality
- Switch Color Modes
- Reduce Flicker
- Check Storage Capacity
- Change Video Type
- Set Shake Correction

(▶ P. 7-16)

After Shooting
- Upload Video to Blog
- Send Video by Mail
- Show Recorded Video in Standby
- Edit Title of Video

(▶ P. 7-16)

Customize

Video Settings
- Set Shutter Sound
- Set Display for Landscape View Shooting

(▶ P. 14-22)

File Storage
- Set Storage Location for Videos

(▶ P. 14-22)
Various Features

Using Smile Mode
Camera automatically detects a smile and automatically releases the shutter.

1. [Photo Viewfinder]  

Smile Mode Viewfinder

2. Frame image in Viewfinder  
When the person in Focus Frame smiles, the shutter is automatically released. 😊 flashes while the smile is being detected. Image is automatically saved.

Continuous Shooting
Shoot up to 20 still images continuously. Automatic continuous shooting mode: Automatically shoots a set number of images at set intervals after you release the shutter. Manual continuous shooting mode: Shoots a set number of images, each of which is shot by releasing the shutter manually.  
See P. 14-22 for details on setting interval/number of shots for Continuous Shooting.

1. [Photo Viewfinder]/[Video Viewfinder]  

Continuous Shooting Viewfinder (Manual)

2. Frame image in Viewfinder  
Image is automatically saved.

Thumbnail Preview Window
Appears when Auto Save Set is set to OFF. Press and hold ✅, Save or Mirror Save and press ⬜ to save all still images.

Thumbnail Preview Window

To Discard Shot Images and Return to Viewfinder  

Tip
- Image size can only be set to the following:  
  - Communication Style: WQVGA, QVGA V. or QCIF  
  - Share Style: WQVGA, QVGA or QCIF
Various Features

Add Frames to Images
1 [Photo Viewfinder] \rightarrow • \rightarrow Select Frame \rightarrow ○ \rightarrow Select a folder \rightarrow ○ \rightarrow Select a frame \rightarrow ○
2 Compose image in the frame \rightarrow ○
   Image is automatically saved.

Framed Image Preview Window
Appears when Auto Save Set is set to OFF. Press ○ to save image.

Auto Timer
1 Auto Timer returns to OFF after shooting.
2 [Photo Viewfinder]/[Video Viewfinder] \rightarrow OFF \rightarrow Select a frame \rightarrow ○
3 Frame image in Viewfinder \rightarrow ○
   Auto Timer starts countdown, and Camera Indicator flashes. About five seconds before shooting, a countdown tone sounds and Illumination flashes rapidly.
   To stop Auto Timer, press ○ or CLEAR.
   • For Still Images
     Images are automatically saved.
   • For Videos
     Recording ends. Videos are automatically saved.

Panoramic Shooting
Create a single panorama shot by moving handset horizontally while shooting.
• Up and down handset movements may cause blurred images.
• Subject image may blur depending on the subject or if the subject is moving.

1 [Photo Viewfinder]/[Video Viewfinder] \rightarrow \rightarrow \rightarrow ○

Tip
• To shoot manually during Auto Timer countdown, press ○ or CLEAR.

Framed Image Preview Window

Panorama Cap. Window
Various Features

Display one end of subject ➔
Panorama shooting starts.

Panorama Shooting

Pan horizontally (left or right) using green line as a guide. Maintain even speed, making sure GOOD appears. If FAST appears, image may not be captured properly.

Panorama shooting ends.
Image is automatically saved.
Shooting automatically ends if the maximum storable capacity is reached.

Speed Movie
Use to check fast-moving subjects. Video is played back in slow-motion.
• Available in Touch Style.

1 ➔ Camera

2 Tap Display to open Pallet ➔ CHG
Camera-mode ➔ Speed Movie

3 Frame image in Viewfinder ➔
Recording starts.

4 ➔
Recording ends.
Video is automatically saved.

Tip
• Audio is not recorded.
• Zoom is unavailable.
• Available only for Rear Camera.

Chance Capture
Continue recording video even when memory is full.

1 [Photo Viewfinder]/[Video Viewfinder] ➔

2 Frame image in Viewfinder ➔
Recording starts.
When the available recording time is over, the remaining time indication flashes.

3 ➔
Recording ends.
Video is automatically saved.

Note
• When recorded video exceeds available memory, handset saves the maximum recordable time from the end of recording.
  Initial portion is deleted.
Various Features

Recording Only Sound
Record only audio in Movie Mode (Voice Mode).

1. [Photo Viewfinder]/[Video Viewfinder] => 📸 => 🎥 => 🎥

2. 📸
   Recording starts.

3. 🎥
   Recording ends.
   Video is automatically saved.

Tip
- To activate Voice Mode from Main Menu: ⬅️ Camera ➞ 🎥 ➞ Voice Mode ➞ 🎥

More Features

Advanced
After Shooting
- View Images
- Save One Frame
- Save Only Selected Images
- Save as Animation
- Open an Image as Mirror Image
- Attach to Mail
- Change Frame before Saving Image
  (➤ P. 7-17)

Customize
Camera Settings
- Set Level of Smile for Smile Mode
- Set Interval for Continuous Shooting
- Set Number of Shots for Continuous Shooting
  (➤ P. 14-22)

File Storage
- Set Storage Location for Still Images/Videos
  (➤ P. 14-22)
Advanced Features

During Shooting

Start Here
[Photo Viewfinder] ......................... P. 7-6
[Video Viewfinder] ......................... P. 7-9

Use Camera Menu
[Photo Viewfinder] / [Video Viewfinder] ➜ ➜ Select an item ➜

Set Image Quality
[Video Viewfinder] ➜ ➜ Quality Setting ➜ Select an item ➜

Switch Color Modes
[Photo Viewfinder] / [Video Viewfinder] ➜ ➜ Camera Settings ➜ Select an item ➜

Reduce Flicker
[Photo Viewfinder] / [Video Viewfinder] ➜ ➜ Camera Settings ➜ Select an item ➜

Check Storage Capacity
[Photo Viewfinder] / [Video Viewfinder] ➜ Memory Info ➜

Change Video Type
[Video Viewfinder] ➜ ➜ Movie Type Set ➜ Select Normal, Video or Voice ➜

Set Shake Correction
[Photo Viewfinder] / [Video Viewfinder] ➜ Shake Correction ➜ Select Auto or OFF ➜

After Shooting

Start Here
[Photo Viewfinder] window .................. P. 7-6
[Video Viewfinder] window .................. P. 7-9
[Thumbnail Preview] window ............... P. 7-9
[Frame Image Preview] window ............. P. 7-12

Zoom In/Out
[Photo Preview] window ➜ ➜ or ➜ to zoom in or out.
Press ➜ to return to original size.

Upload Still Image/Video to Blog
[Photo Preview] window/ [Video Preview] window ➜ Blog Cont. or Blog Contribution ➜ Select Attach Mail, QVGA Scale Down or VGA Scale Down ➜ Compose S/Mail ➜

Send Still Image with Graphic Mail
[Photo Preview] window ➜ Insert Image ➜ Insert Mail or SubQCIF Scale Down ➜ Create Graphic Mail ➜

Send Still Image/Video by Mail
[Photo Preview] window/ [Video Preview] window ➜ Attach Image or Compose Message ➜ Select Attach Mail, QVGA Scale Down or VGA Scale Down ➜ Compose S/Mail ➜

Video files exceeding the size limit are not attached.
### Advanced Features

<table>
<thead>
<tr>
<th>Action</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Show Mirror Image of Shot Still Image</strong></td>
<td>[Photo Preview] window ➔  ➔ Mirror Display ➔ 0</td>
</tr>
<tr>
<td><strong>Save Mirror Image of Shot Still Image</strong></td>
<td>[Photo Preview] window ➔  ➔ Mirror Save ➔ 0</td>
</tr>
<tr>
<td><strong>Show Shot Still Image in Standby</strong></td>
<td>[Photo Preview] window ➔  ➔ Set as Display ➔ 0 ➔ Stand-by Display ➔ 0 ➔ Select a layout ➔ 0 ➔ Check preview ➔ 0</td>
</tr>
<tr>
<td><strong>Show Recorded Video in Standby</strong></td>
<td>[Video Preview] window ➔  ➔ Set as Stand-by ➔ 0</td>
</tr>
<tr>
<td><strong>Edit Title of Video</strong></td>
<td>[Video Preview] window ➔  ➔ Edit Title ➔ 0 ➔ Edit title ➔ 0</td>
</tr>
<tr>
<td><strong>View Images</strong></td>
<td>[Thumbnail Preview] window ➔ Select an image ➔ ➔ Press ➔ to switch to the previous/next image.</td>
</tr>
<tr>
<td><strong>Save One Frame</strong></td>
<td>[Thumbnail Preview] window ➔ Select an image ➔ ➔ ➔ Save or Mirror Save ➔ 0</td>
</tr>
<tr>
<td><strong>Save Only Selected Images</strong></td>
<td>[Thumbnail Preview] window ➔ Select an image ➔ ➔ ➔ Repeat the same step ➔ ➔ Save or Mirror Save ➔ 0 ➔ Select a checked image and press ➔ to cancel the selection.</td>
</tr>
<tr>
<td><strong>Save as Animation</strong></td>
<td>[Thumbnail Preview] window ➔ ➔ Store All&amp;Anime ➔ ➔ ➔ Save or Mirror Save ➔ 0 ➔ Select a destination ➔ 0</td>
</tr>
<tr>
<td><strong>Open an Image as Mirror Image</strong></td>
<td>[Thumbnail Preview] window ➔ ➔ Mirror Display ➔ 0</td>
</tr>
<tr>
<td><strong>Attach to Mail</strong></td>
<td>[Thumbnail Preview] window ➔ Select an image ➔ ➔ (twice) ➔ Attach Image ➔ 0 ➔ (Attach Mail/QVGA Scale Down ➔ 0) ➔ Compose S! Mail ➔ 0</td>
</tr>
<tr>
<td><strong>Change Frame before Saving Image</strong></td>
<td>[Framed Image Preview] window ➔ ➔ ➔ Change Frame ➔ ➔ ➔ Select a folder ➔ ➔ ➔ Select a frame ➔ 0 (twice)</td>
</tr>
</tbody>
</table>