

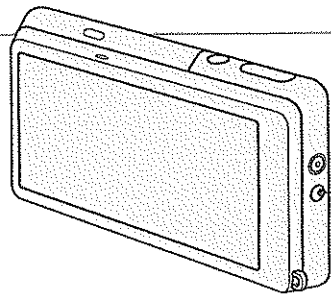
## Uploading images via wireless connection

You can access media services via an access point using wireless LAN and upload images.

Network settings are required before use (page 18).

- 1 Press the WLAN (wireless network) button during the power is on.

The internet browser starts up.  
The default setting displays the Sony portal site.



WLAN (Wireless network) button

- 2 Log in to a media service.

- 3 Upload images according to the on-screen instructions.

### Notes

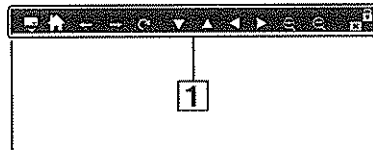
- Some media services may not operate correctly.
- You must create an account at the website for each media service in advance.
- The number of images that can be uploaded at once differs depending on the media service.
- It may not be possible to upload some images due to the size of the still image. In addition, the maximum movie size that can be uploaded is 100 MB.
- Operation may become slower if you remove or insert the "Memory Stick Duo" while connected to the network.
- Be sure to use sufficiently charged batteries while connected to the network.

### Shutting down the browser

Press the WLAN (wireless network) button, or touch **X** → [OK].

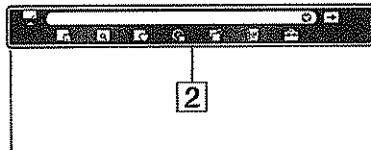
## Operation buttons on the internet browser

Uploading images



1

Button	Action
	Switches screen display
	Displays Sony portal site
	Next/Previous page
	Update/Cancels loading data
	Scroll key
	Zoom in/zoom out
	Closes the browser





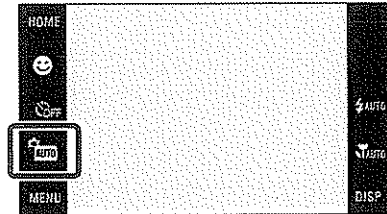
2










Button	Action
	Switches screen display
	URL display <ul style="list-style-type: none"> <li>You can enter a URL address manually by touching the tab.</li> <li>You can display the URL history by touching </li> </ul>


Button	Action
	Jump <ul style="list-style-type: none"> <li>Enter a URL address manually, then touch this button. The screen is moved to the specified website.</li> </ul>
	Displays HOME <ul style="list-style-type: none"> <li>You can return to the default Web page.</li> </ul>
	Search <ul style="list-style-type: none"> <li>You can search text within the browser.</li> </ul>
	Bookmark list
	Displays history
	Switch Tab
	Address Book registration and display
	Web Browser Settings <ul style="list-style-type: none"> <li>Display Mode Settings</li> <li>Text Size</li> <li>Character Encoding</li> <li>Detailed Display Settings</li> <li>Home Page</li> <li>Proxy</li> <li>Cookie</li> <li>Cache</li> <li>Web Browser Information</li> <li>Security</li> </ul>






## Selecting the desired shooting mode

- 1 Touch  (REC Mode) → desired mode → .



	Shooting mode	Function
	Auto Adjustment	Allows you to shoot still images with the setting adjusted automatically.
	Program Auto	Allows you to shoot with the exposure adjusted automatically (both the shutter speed and the aperture value). You can adjust other settings using the menu.
<b>EASY</b>	Easy Shooting	Allows easy shooting with easy-to-see indicators.
	High Sensitivity	Shoots images without a flash even in low lighting.
	Movie Mode	Shoots movies.
	Landscape	Allows easy shooting of distant scenes by focusing in the distance. Shoots vivid blue sky and flora colors.
	Soft Snap	Shoots images with a softer atmosphere for portraits of people, flowers, etc.
	Twilight Portrait	Shoots sharp images of people in a dark place without losing the nighttime atmosphere.
	Twilight	Shoots night scenes without losing the nighttime atmosphere.
	Scene Selection	Selects the other Scene Selection modes.

Scene Selection modes below .

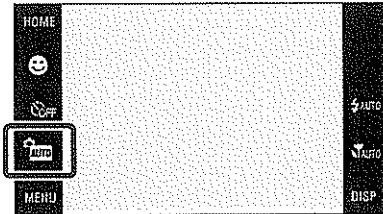
	Gourmet	Shifts to Macro mode, allowing you to shoot food arrangements in delicious color.
	Beach	Shoots seaside or lakeside scenes with the blueness of the water captured more vividly.
	Snow	Shoots snow scenes in white more clearly.
	Fireworks	Shoots fireworks in all their splendor.
	Hi-Speed Shutter	Shoots moving subjects in bright places.


### Note

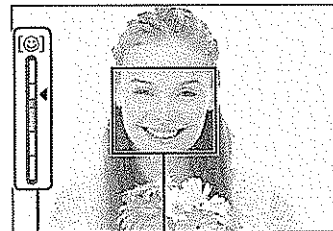
- The flash does not operate in some Scene Selection modes.

## Detecting smiles and shooting automatically (Smile Shutter)

- 1 Touch  (REC Mode) →  (Auto Adjustment) →  or  → .

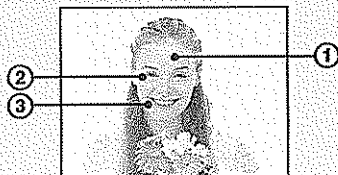


- 2 Wait detecting a smile.  
When the smile level exceeds the point on the indicator, the camera shoots images automatically. When you touch  (Smile icon) again, Smile Shutter ends.
  - If you press the shutter button during Smile Shutter, the camera shoots the image in Auto Adjustment, and then returns to Smile Shutter mode.



Face Detection Frame  
Smile Detection Sensitivity indicator


### Hints for better capturing of smiles



- ① Do not cover the eyes with the bangs.
- ② Try to orient the face in front of the camera and be as level as possible. The detection rate is higher when the eyes are narrowed.
- ③ Give a clear smile with an open mouth. The smile is easier to detect when the teeth are showing.

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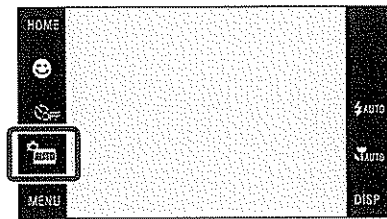
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## Detecting the shooting conditions automatically (Scene Recognition)

The camera automatically detects the shooting conditions, and then takes the shot.

- 1 Touch (REC Mode) → (Auto Adjustment) → or .



- 2 Touch → (Scene Recognition) → desired mode → .

(Off): Does not use Scene Recognition.

(Auto): When the camera recognizes the scene, it switches to the optimal settings and shoots the image.

(Advanced): When the camera recognizes the scene, it switches to the optimal settings and shoots the image.

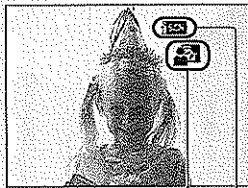
In addition, when the camera recognizes (Twilight), (Twilight Portrait), (Twilight using a tripod), (Backlight) or (Backlight Portrait), it shoots another image. When the camera recognizes (Portrait), Anti Blink operates.

### Note

- Scene Recognition does not operate in (Macro On), (Close focus enabled) or Burst mode.



### When the camera recognizes the scene



Scene Recognition icon

Setting value icon

When the camera recognizes the scene.

(Twilight), (Twilight Portrait), (Twilight using a tripod), (Backlight), (Backlight Portrait), (Landscape), (Macro) or (Portrait) appears.



When the camera does not recognize the scene, the image is shot as Scene Recognition [Off].

Using shooting functions

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## Shooting close-ups (Macro/Close focus)

You can shoot beautiful close-up images of small subjects such as insects or flowers.

- 1 Touch  (Macro) → desired mode → .

**Auto (Auto):** The camera adjusts the focus automatically from distant subjects to close-up.

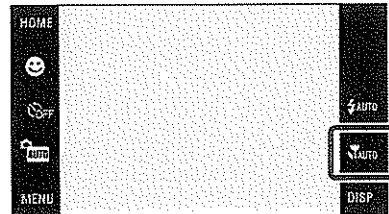
Normally, put the camera in this mode.

**Macro On:** The camera adjusts the focus with priority on close-up subjects.



Set Macro On when shooting close subjects.

**Close focus enabled:** Use this mode to shoot at even closer distances than Macro recording.


Locked to the W side: Approximately 1 to 20 cm (13/32 to 7 7/8 inches)



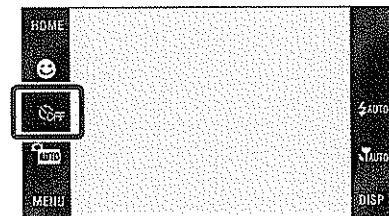
## Using the self-timer

- 1 Touch  (Self-Timer) → desired mode → .

**Off (Off):** Not using the self-timer.

**Self-Timer 10sec:** Shooting starts after a 10-second delay. Use this setting if you want to include yourself in the image. To cancel, touch .

**Self-Timer 2sec:** Shooting starts after a two-second delay. This is to prevent blurring due to unsteadiness when the shutter button is pressed.



- 2 Press the shutter button.

The self-timer lamp flashes and a beep sounds until the shutter operates.

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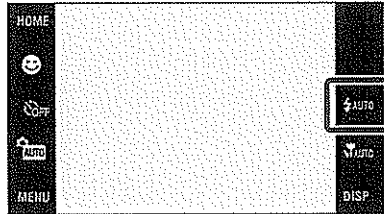
## Selecting a flash mode

ers.



- 1 Touch **FLASH AUTO** (Flash) → desired mode →

**FLASH AUTO (Flash Auto):** Flashes when there is insufficient light or backlight.  
**FLASH ON (Flash On):** Flash always operates.  
**FLASH SLOW SYNCHRO (Slow Synchro):** Flash always operates. The shutter speed is slow in a dark place to clearly shoot the background that is out of flash light.  
**FLASH OFF (Flash Off):** Flash does not operate.



Using shooting functions

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### Notes

- You cannot use **FLASH ON** or **FLASH SLOW SYNCHRO** when Scene Recognition is set to [Auto] or [Advanced].
- Even with flash on, the flash may not operate during burst.




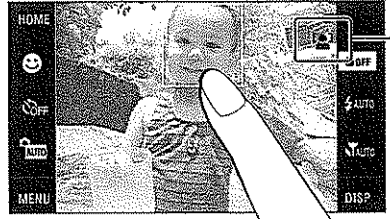
event



## Focusing on a specific point of the frame

Simply touch the point of the frame you wish to focus on to change the focus position.

- 1 Point the camera at the subject, then touch the point of the frame you want to focus on.



- You can change the focus point as many times as you wish before pressing the shutter button halfway down.
- If you want the camera to choose a focus point automatically, touch  OFF.







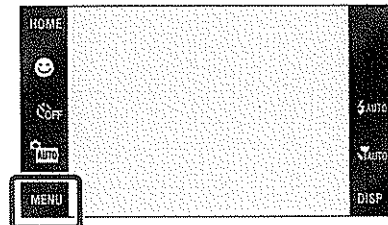
-  Face detected.
-  No face detected.

## Focusing on the face of the subject (Face Detection)

The camera detects the face of the subject and focuses on it. You can select which subject takes priority when focusing.

- 1 Touch **MENU** →  (Face Detection) → desired mode → .

-  **(When touched):** Detects the face when an area with a face is touched on the screen.
-  **(Auto):** Selects the face the camera is to automatically focus on.
-  **(Child Priority):** Detects and shoots with priority on a child's face.
-  **(Adult Priority):** Detects and shoots with priority on an adult's face.



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### Note

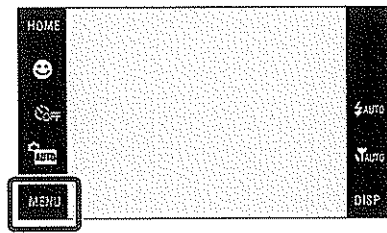
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## Selecting the image size to match the usage




The image size determines the size of the image file that is recorded when you take a image.

1 MENU →  (Image Size) → desired size → .



Using shooting functions

Image size	Usage guidelines	LCD screen
 10M (3648×2736)	For prints up to A3+ size	 Images are displayed in 4:3 or 3:2 aspect ratio.
 5M (2592×1944)	For prints up to A4 size	
 3M (2048×1536)	For prints up to L/L2 size	
 VGA (640×480)	For e-mail attachments	 Images will fill the entire screen.
 3:2 3:2 (8M) (3648×2432)	3:2 aspect ratio as in photo prints and postcards	
 16:9+ 16:9 (7M) (3648×2056)	For viewing on a high-definition TV	
 16:9 16:9 (2M) (1920×1080)		

Movie image size	Frame/Second	Usage guidelines
 FINE 640(Fine) (640×480)	Approx. 30	For viewing on a TV (high picture quality)
 STD 640(Standard) (640×480)	Approx. 17	For viewing on a TV (standard picture quality)
 320 320 (320×240)	Approx. 8	For e-mail attachments

### Note

- When you print images shot with 16:9 aspect ratio, both edges may be cut off.

### Number of images and recording time of movies

The figures in the table below indicate the number of images when [REC Mode] is set to [Normal].

(Units: Images)

Capacity Size	Internal memory	"Memory Stick Duo" formatted with this camera						
	Approx. 4 GB	256 MB	512 MB	1 GB	2 GB	4 GB	8 GB	16 GB
10M	988	56	118	242	493	972	1963	3991
5M	1566	89	188	384	781	1541	3111	6324
3M	2512	144	301	617	1253	2472	4991	10140
VGA	24120	1385	2898	5925	12030	23730	47910	97390
3:2(8M)	996	57	119	244	497	980	1980	4024
16:9(7M)	1048	60	126	257	523	1031	2083	4234
16:9(2M)	4020	230	483	987	2005	3955	7986	16230

The table below shows the approximate maximum recording times. These are the total times for all movie files. Continuous shooting is possible for approximately 10 minutes.


(Units: hour : minute : second)

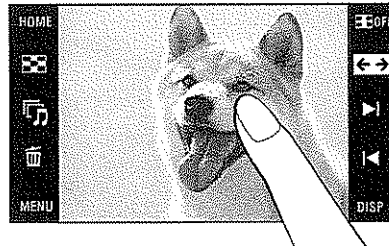
Capacity Size	Internal memory	"Memory Stick Duo" formatted with this camera						
	Approx. 4 GB	256 MB	512 MB	1 GB	2 GB	4 GB	8 GB	16 GB
640(Fine)	0:50:10	0:02:50	0:06:00	0:12:20	0:25:00	0:49:20	1:39:40	3:22:50
640(Standard)	3:00:50	0:10:20	0:21:40	0:44:20	1:30:10	2:58:00	5:59:20	12:10:20
320	12:03:30	0:41:30	1:25:20	2:57:40	6:01:00	11:52:00	23:57:30	48:41:50

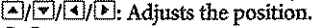
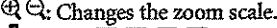

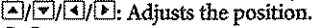

### Notes

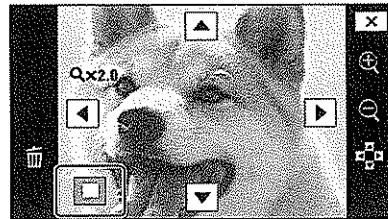
- The number of still images and the recording time of movies may vary depending on the shooting conditions and the recording media.
- When the number of remaining shootable still images is greater than 9,999, the ">9999" indicator appears.
- When using a "Memory Stick Duo", movies with the size set to [640(Fine)] can be recorded to only a "Memory Stick PRO Duo".
- This camera does not support HD recordings or playbacks for movies.
- When an image shot with other camera is played back on this camera, the image may not appear in the actual image size.
- When many images are recorded in the internal memory, operation may become slightly slower.

## Viewing an enlarged image (Playback zoom)

- 1 Press the  (Playback) button to display an image, then touch the area you want to enlarge.  
The image is enlarged at twice the size, with the area you touched at the center. When **DISP** (screen display) is set to [Image Only], touch the center of the screen, then touch the area you want to enlarge.






- 2 Adjust the zoom scale and position.  
The zoom scale increases each time you touch the screen.  
: Adjusts the position.  
: Changes the zoom scale.  
: Turns  on/off.  
: Cancels playback zoom.






Shows the displayed area of the whole image

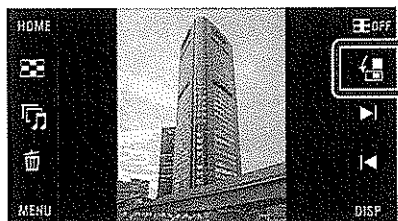
## Displaying images full-screen (Wide Zoom)

- 1 Press the  (Playback) button to display the still image, then touch  (Wide Zoom).  
• Touch  again to end the wide zoom.





## Rotating a vertical orientation image (Temporarily rotated display)

- 1 Press the  (Playback) button to display the still image, then select the vertical orientation images, then touch .
  - Touch  again to end the display.



## Viewing still images with music (Slideshow)

- 1 Press the  (Playback) button to display a still image, then touch  (Slideshow).




- 2 Touch [Start].
  - The slideshow starts.
  - To end the slideshow, touch the screen, and then touch [Exit].



### Selecting background music

You can transfer a desired music file from your CDs or MP3 files to the camera to play back during slideshow.


To transfer music files, install the "Music Transfer" software (supplied) to your computer (page 43), then follow the steps below.







- ① Touch **HOME** →  (View Images 2) → [Music Tool] → [Download Music].
- ② Make a USB connection between the camera and your computer.
- ③ Start and operate "Music Transfer".

For details on "Music Transfer", see the "Music Transfer" help.

## View

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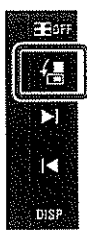


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[Select  
[Save /

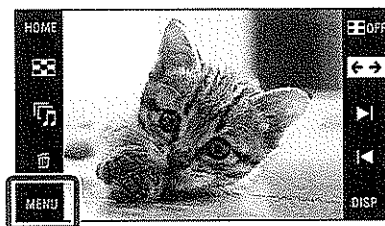
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## Viewing images with the Scrapbook display

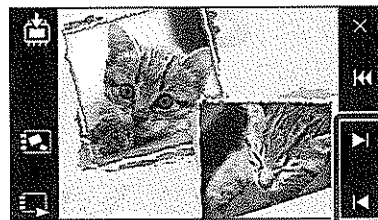
The camera automatically presents images against a background like a homemade photo album.



- 1 Press the (Playback) button to display a still image, then touch **MENU** → (Scrapbook) → **OK**.



- 2 Turn the page with .
  - : Save image in recording media
  - : Background select
  - : Auto playback start
  - Touch the screen to stop auto playback.
  - : Exit
  - : Return to front cover



Using viewing functions

### Note

- Scrapbook display is not available when the view mode is set to [Folder View].



### To select the save method

**[Save This Page]:** Save the page you are currently viewing.



**[Select pages and save]:** Touch to display the image, then touch the image to save.

**[Save All Pages in Scrapbook]:** Saves all images in the scrapbook.

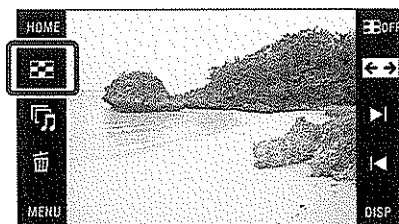
The image size to be saved is 3M.



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## Searching for an image (Image Index)

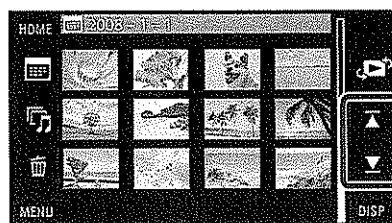
- 1 Press the  (Playback) button to display an image, then touch  (Image Index).

- If you touch **DISP.**, you can set the number of images displayed in the index screen to 12 or 20 images.



- 2 Touch the  /  buttons to turn the pages.

- To return to the single-image screen, touch the thumbnail image.






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Touch  images.





## Selecting the display format (View Mode)


Allows you to select the display format for viewing multiple images.

- 1 Press the  (Playback) button to display an image, then touch  (Image Index) →  (View Mode) → desired mode.

 (Date View): Displays images by the date.

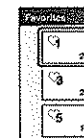
 (Event View): Analyzes the dates shots and frequency, automatically organizes the images into groups and displays them.

 (Favorites): Displays images registered as Favorites.

 (Folder View): Displays and organizes images by folders.



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groups.






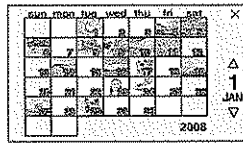
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## Easily locating the images to be displayed

### When set to Date View/Event View/Folder View:

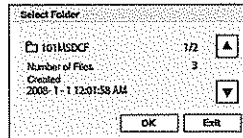
Touch  (Date List),  (Event List) or  (Select Folder) to easily locate the desired images.



**Date List:** Displays a list of the images taken on the selected date.

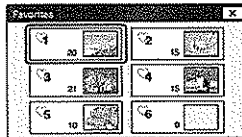


**Event List:** Displays a list of the images registered to the selected event.



**Select Folder:** Touch [OK] to display a list of the images contained in the selected folder.

**When set to Favorites:** You can display images registered to Favorites divided into six groups.



**Favorites:** Displays a list of the images registered to the selected Favorites number.

### Note

- When you cannot play back images recorded with other cameras, view the images in [Folder View].

## Viewing images on "BRAVIA"

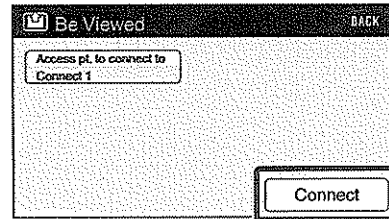


Operate the DLNA-enabled "BRAVIA" via the home network and set the camera so that images stored in the camera can be viewed.

- 1 **HOME** → (Communication) → **[Network]** → **[OK]** → (Be Viewed) → **[OK]**.



- 2 Touch **[Connect]**.  
If there are multiple access points, touch **[Access pt. to connect to]** to select the access point.



- 3 Select the image to be shared on the network.

- 4 Select the sharing method.

### Notes

- You can share only still images.
- You can select up to 100 images at a time.
- To view the images with a DLNA-enabled device, setup and some operations of a playback device are required. For details, see the operating manual of the playback device.
- Be sure to use sufficiently charged batteries while connected to the network.

### ❗ Cancelling one image to be shared

Touch the image during sharing to remove the checkmark.

### ❗ Cancelling all images to be shared

Touch **MENU** → (Remove) → **[OK]** → **[OK]** during sharing.

Exit  
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### Exiting image sharing

Press the WLAN (wireless network) button, or touch **MENU** → **X** (Exit) → **OK** → **[OK]**.

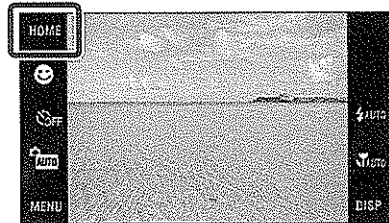
so that

## Sending images to "BRAVIA"



Operate the camera over your home network to send images to a "BRAVIA" that supports a renderer function.

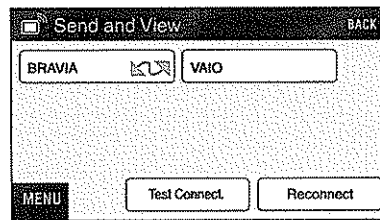
- 1 Touch **HOME** → **[Communication]** → **[Network]** → **OK** → **[Send and View]** → **OK**.



Connecting to other devices

- 2 Touch **[Search ext. devices]**.  
The camera searches for connectable devices. Detected devices are displayed on the LCD screen.  
To connect to the same device as previously, touch **[Last Connected Device]** → Go to step 4.

- 3 Touch the device you want to connect with.  
 Last-connected device



- 4 Select the image you want to send.
- 5 Touch the image to be sent.

c device

### To stop sending images

Press the WLAN (wireless network) button, or touch **MENU** → **X** (Exit) → **OK** → [OK].

#### Notes

- Images can only be played on equipment that supports a renderer function. For details on renderer settings, refer to the "BRAVIA" instruction manual.
- Be sure to use sufficiently charged batteries while connected to the network.



### Sending multiple images to the "BRAVIA" all at once

Using slideshow is useful when you want to send multiple images at once.



- ① Touch **Slideshow** in index mode while the connection is made.
- ② Touch the image you want to begin the slideshow from.

#### Changing the slideshow settings

- 1 Touch **Slideshow** → **OK** → desired item → desired setting → **OK** in index mode.

- 2 Touch [OK].

Set the following items:

- Interval Settings (Fast/Normal/Slow)
- Repeat (On/Off)

## View

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#### Note

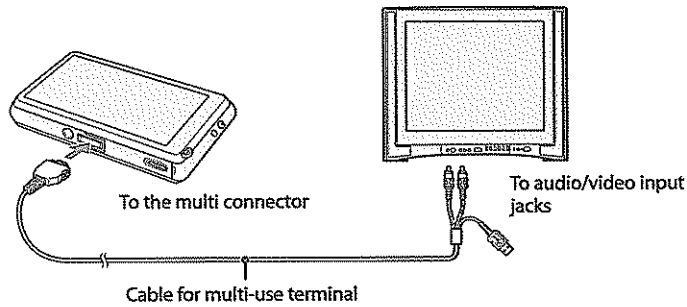
- Output



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## Viewing images on a TV

- 1 Connect the camera to the TV with the cable for multi-use terminal (supplied).




### Note

- Output to a TV is not possible while connected to the network.



### Viewing images on an HD (High Definition) TV

- You can view images recorded on the camera by connecting the camera to an HD (High Definition) TV with the HD Output Adaptor Cable (not supplied) or Cyber-shot Station (not supplied).
- Set [COMPONENT] to [HD(1080i)] in [Main Settings 2] by selecting  (Settings) on the HOME screen.
- You cannot view movies output in [HD(1080i)] signal format. Set [COMPONENT] to [SD] when viewing movies.