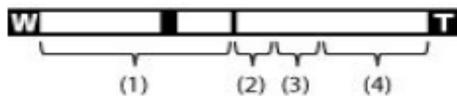# Zoom features available with the camera.

The zoom feature of the camera provides a higher magnification zoom by combining various zoom features. You can use other zoom features when you set the **Zoom Setting** to something other than the **Optical zoom only**.

Depending on the type of lens used, the **Zoom** function can be called up differently.

- When using Powered zoom lenses - the Zoom function can be called up by sliding the zoom lever on the lens.
- When using Manual zoom lenses and Prime lenses - the Zoom function can be called up by going through the Menu and under the Camera Settings or by assigning the Zoom function to one of the customizable buttons. The assigned button must be pressed each time the Zoom function will be used

The icon displayed on the Zoom Bar changes, according to the selected zoom range.

1. **Optical Zoom** range - Zoom images in the zoom range of the lens mounted.
2. **Smart Zoom** range 🅢🔍 - Zoom images without causing the original quality to deteriorate by partially cropping an image (available only when 🖼Image size is set to [M] or [S]).
3. **Clear Image Zoom** range 🅒🔍 - Zoom images using an image process with less deterioration. To use this feature, set the Zoom Setting to Clear Image Zoom On or Digital Image Zoom On first.
4. **Digital Zoom** range 🅓🔍 - Magnify images using digital signal or image process. Image quality deteriorates as the magnification increases. To use this feature, set the Zoom Setting to Digital Image Zoom on first.

NOTES:

- The default setting for the Zoom Setting is Optical zoom only.
- The default setting for 🖼Image Size] is [L]. To use the smart zoom change 🖼Image Size to [M] or [S].
- Zoom functions other than the optical zoom are not available when shooting in the following situations:
  -
    - Sweep Panorama
    - Smile/Face Detect. is set to Smile Shutter
    - 🖼Quality is set to RAW or RAW & JPEG
    - ▥Record Setting is set to 120p 50M/100p 50M
- You cannot use the Smart Zoom function with movies.

- When a power zoom lens is mounted, you cannot use Zoom under MENU. If you enlarge image past the optical zoom range, the product automatically switches to another Zoom function than the optical zoom.
- When you use a Zoom function other than the optical zoom, Metering Mode is fixed to Multi.
- When you use another zoom function than the optical zoom, the following functions are not available:
  -
    - Face Detection
    - Lock-on AF
    - Auto Obj. Framing

The camera does not recognize the lens and an error message is displayed.

This solution applies to both of the following error messages:

- **Check the Lens attachment.**
- **No Lens Attached.**

Follow the steps below to troubleshoot this issue. If model-specific information is required to complete any of the steps in this solution, refer to the operating instructions supplied with the product.

1. Make sure you are using a compatible lens.
   To check the list of compatible lenses for your camera, refer to the following link:
   [Camera Body-Lens Compatibility Information](#)

   IMPORTANT: If attaching the camera body to an astronomical telescope or other similar device, (depending on your camera) it will be necessary to do one of the following:

   - Set the mode dial to Manual (**M**).
   - Set the **Release w/oLens** option in the camera menu to **Enable**.
   - Set the **Shutter lock** option in the camera menu to **Off: no lens**.

   NOTE: Some Lensbaby lenses may attach to the camera body. However, Lensbaby lenses do not communicate electronically with the camera body and cannot be recognized. Sony does not support the use of Lensbaby lenses.

2. Check if the lens is connected properly.

NOTE: If the lens is not attached properly, the connection points that enable communication between the camera body and lens do not make contact. Do not push the lens release button, but turn the lens clockwise and attach to the camera body until it clicks. Below is an example of the lens release button location.
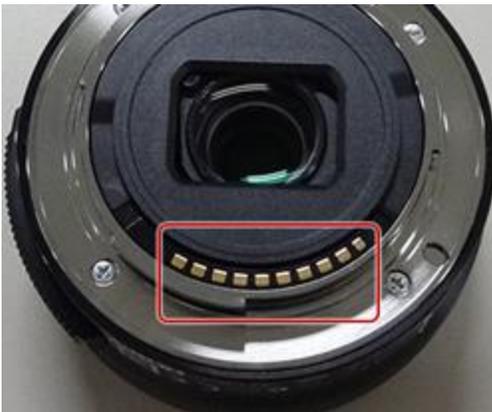
Lens release button position (NEX-7)

3. Turn off the camera.
4. Remove the lens from the body of the camera.
5. Examine the pins on the body of the camera that connect to the lens.

If there is dirt on the contacts of the body or the lens, the camera body may not recognize the lens due to attachment failure. Wipe dirt from the contacts using a cotton swab or a dry soft cloth (cleaning cloth, etc.), then attach the lens to the camera body.

IMPORTANT:

- **When wiping the dirt off, be careful to keep dust or debris from getting inside the camera body or the lens.**
- **Take care not to touch the lens surface.**
- **Do not use force but wipe lightly so as not to put pressure on the contacts of the body.**

Lens contacts

Make sure nothing is covering or obstructing the metal contacts on the lens by cleaning the contacts.

Body contacts

o   Ensure the pins are not bent.
o   Ensure nothing is covering or obstructing the pins.

IMPORTANT: If the pins on the camera body are bent, then <u>Service</u> will be required.

6. If there are no bent pins or other obstructions, reattach the lens to the camera body.
7. Turn on the camera.
8. If the issue is still not resolved, try connecting a different lens (if available) to determine whether the problem is with the lens or the camera body.
9. **IMPORTANT: If the issue does not happen with other lenses, then the previous lens may require service. However, if the issue occurs with other lenses as well, then the camera body may require <u>Service</u>.**

NOTE: If the issue is not resolved and a lens from another manufacturer is being used, then the lens (or lens adapter) is most likely not compatible. Functionality of third-party lenses is not guaranteed. Even though a third-party lens may not be able to communicate with the camera for Auto Focus (AF) and Auto Exposure (AE), pictures may still be able to be taken by setting the camera to Manual (**M**), then manually setting the shutter speed, aperture, ISO, and focus.

Which lenses are compatible with Fast Hybrid AF?

For the supplied lens compatible with Fast Hybrid AF, refer to the following website.

Lens compatibility information:
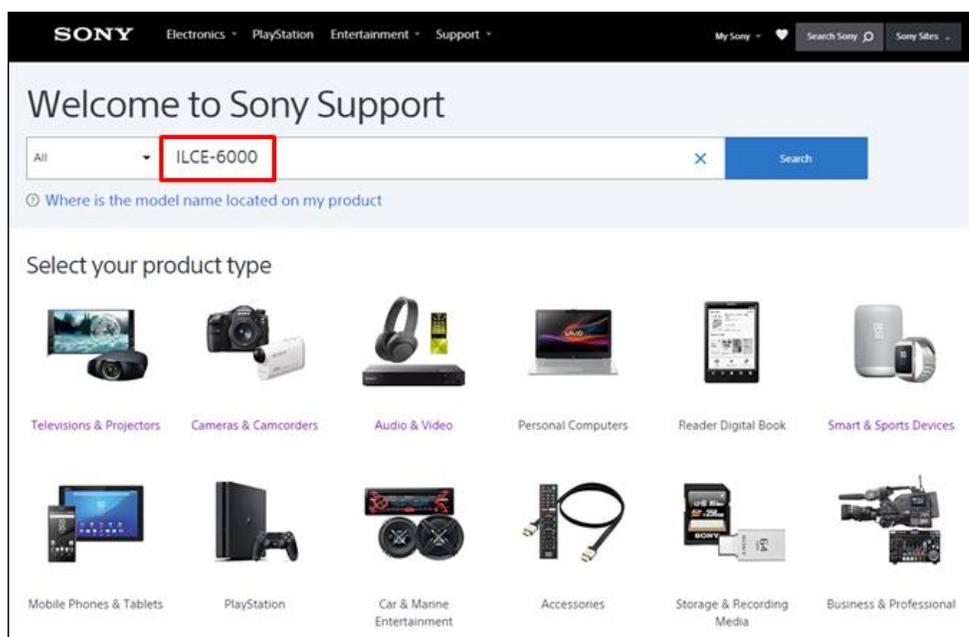https://support.d-imaging.sony.co.jp/www/cscs/lens_body/index.php

What accessories or lenses are compatible with my camera or camcorder?

How to find compatible lenses, memory cards, battery, flash and other accessories

You can find out which accessories or lenses are compatible with your camera or camcorder on the Product Page.
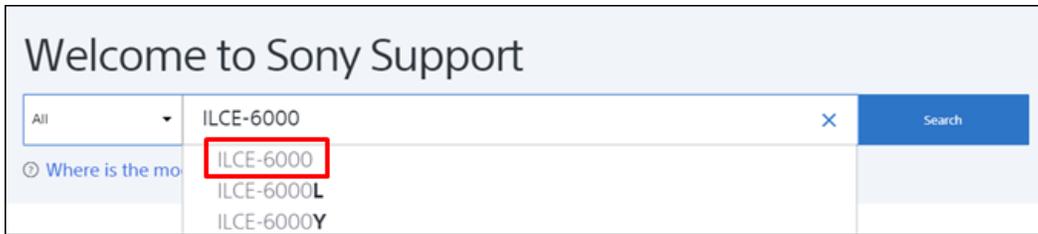
1. Getting to your Product Page

1. Make sure you know your model name. If you are unsure, this page can help you find it:
2. Type in your model name in the search bar on the Support website.
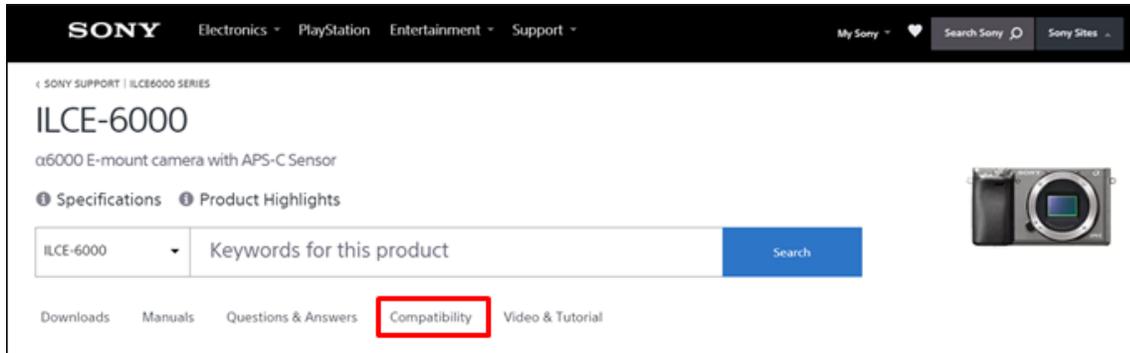

IMPORTANT: Make sure you type your model name correctly (including the hyphen (-) if applicable). The predictive search feature will help you make sure you're typing the model correctly.
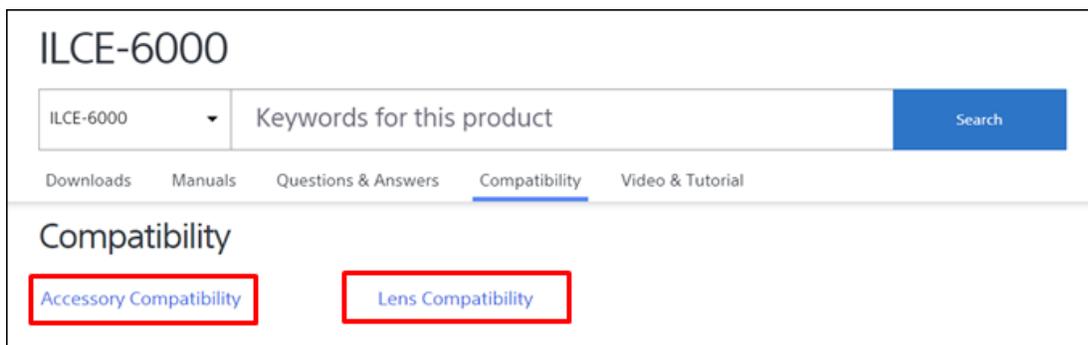
3. Go to your Product Page by clicking on your product name in the auto-suggest feature or in the search results.
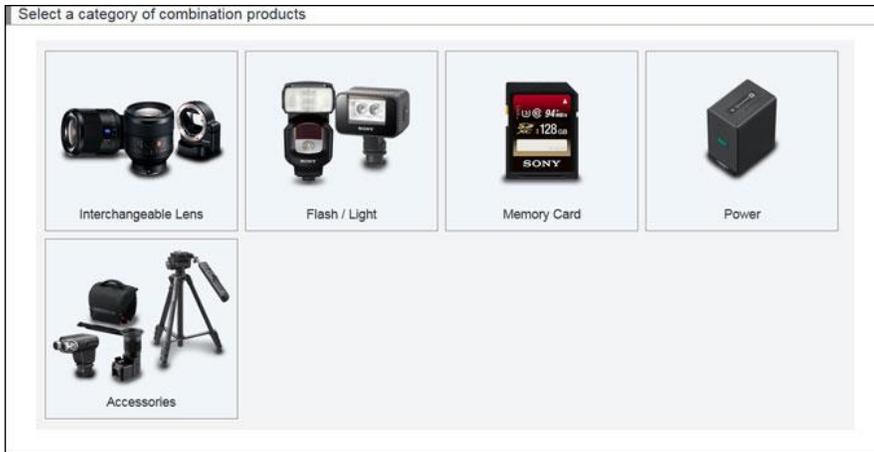
2. Select the "Compatibility" tab

3. Select the "Accessory Compatibility" or "Lens Compatibility" link
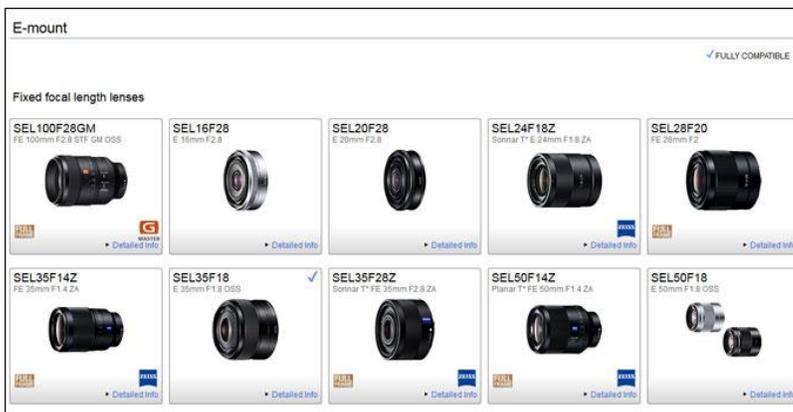

4. Check the Compatibility Information from our compatibility page

1. Accessory Compatibility contains information for compatible flash, memory cards, power, and other accessories such as casing, etc.

2. Lens Compatibility* list out the compatible lenses for interchangable cameras.

*Not available for compact cameras.