

Causes that SD memory cards work 'sluggish'

Currently, SD memory cards are widely used on many electronic devices, especially compact cameras and DSLRs. Choosing yourself an SD card is not too difficult. You only need to prioritize the processing speed and storage capacity of the card.

Currently, SD memory cards are widely used on many electronic devices, especially compact cameras and DSLRs. Choosing yourself an SD card is not too difficult.

You only need to prioritize the processing speed and storage capacity of the card, and make sure that your camera supports what types of memory cards, allowing maximum storage capacity and using pictures. What data transmission mode.



SD card capacity is also quite diverse, depending on the type of card such as standard SD card (capacity of only 2 GB), SDHC card (support capacity up to 32 GB) and SDXC card (capacity can reach 2 TB).

Meanwhile, the speed of writing data will be determined by the Class index. Class 2 (lowest) ensures stable read and write speeds at 2MB / s, Class 4 (4MB / s), Class 6 (6MB / s) and Class 10 (10MB / s). How to set the speed of this standard is to ensure that customers can choose the correct memory card that they need according to their intended use, especially when shooting video.

However, using the SD card properly to avoid damage and maintain durability is not a simple thing. Here are 6 possible reasons why your SD memory card may be inefficient even if it can't be used anymore.

1. Format Error

It is recommended to format the memory card in the camera instead of the format on the computer, because the camera will automatically format it suitable for taking and saving images instead of merely saving the file as on a computer. Besides, you should not abuse and use the Format feature regularly because the parameters and life of the memory card only allow Format about 1,000 times.



2. Remove the 'hot' memory card

In case the SD memory card is operating with the camera or exchanging data with the computer, if you remove the "hot" card, it may cause negative effects or even damage the SD card. Although the possibility of complete failure is not high, this unsafe card removal operation may cause you to lose data stored on the card, even if formatting is required again.



For older machines you have to turn off the computer to remove the battery to get the card. But new devices today are more ergonomically designed so you can "hot remove" without having to turn off the battery. However, you should also limit the removal of the memory card too often, which will cause your card to quickly damage the contact part, even causing an error in the contact on the camera.

3. Physical damage

SD memory card is not a durable product. It is easily damaged if the user accidentally neglects in the washing machine or under the influence of physical agents such as being crushed by heavy objects.



Currently there are still some services to recover data for SD card malfunctioning due to the above reasons but you will spend an extremely expensive cost, up to thousands of dollars. Therefore, the safe solution here is to use the SD card protector and store them in a safe place when not in use.

4. The card is locked

The SD card has a security feature that **locks the card** so other users cannot change or delete the file specified in the card. However, keep in mind that there will be a small wiper (located on the side of the card), put the wiper in the unlock position so that you can continue to use and edit the data on the card.



Of course this is not a card error or card user, but if you do not find out, many users may mistakenly believe that their memory card is having problems.

5. Card reader is too slow

Although you have a high-speed SD memory card, when you have an old card reader that doesn't keep up with the SD card speed, the processing performance can become very sluggish. All data copying operations are also slowed down significantly. The solution in this situation is quite simple, you just need to equip yourself with a higher speed card reader and rest assured that it has a relatively affordable price.



6. SD card speed does not meet the demand

Camcorders using SDHC cards will read and write data according to a different procedure than the camera. Since the camcorder records data continuously on the card, the cards must ensure a very stable speed, at least from 4 MB / sec (Class 4) or higher. A Class 2 memory card is only enough for SD (Standard Definition) video

recording and you will need class 4 and 6 memory cards to record Full-HD videos.



In general, if you want to shoot HD / Full HD movies or frequently take high-resolution photos in large numbers, buy yourself a Class 10 card. However, if you only occasionally take photos in Short-term picnics, or video clips as a souvenir, memory cards Class 4 and 6 will be better suited.

You finished reading the article "**Causes that SD memory cards work 'sluggish'**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.