

Do you choose a large aperture or a large sensor when taking photos?

Usually when taking photos in low light conditions, you often choose a lens with a large aperture and accompanying a large size sensor. Of course, with such a choice you will easily take more photos, but it is imperative that we carry a bulky camera, a larger lens and the price is not easy to breathe. So where is the reasonable choice?

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There is no denying the usefulness of using large sensors and large apertures. A large sensor (taking into account only the sensor size, not related to image resolution), will help the camera to obtain more light from which the noise phenomenon appears less when the magnetic sensor senses amplification. That is why most full frame cameras give better image quality when zoomed in, because the image will be clearer than those with smaller sensors.



The greater the aperture of the lens, the smaller the value (the smaller the value on the lens, the larger the opening) of course, the more light that passes through the lens, which is more useful when shooting in low light.

Both the sensor size and aperture openings create effects depending on your creative ability in photography. A large sensor will provide a deeper depth of field and lower grain noise. Larger aperture lenses also provide a

higher depth of field and allow more light to enter, making it easier to take photos in low light conditions.



But good is not sure there are no drawbacks. You will have to use a larger, heavier, and more expensive camera and lens. Larger sensors also reduce magnification (when remote zoom lenses are very expensive). A large aperture will cause the image to have a shallow depth of field, from which the focus area is very small, which will reduce your creativity in the image.

Therefore, in most cases, **a large sensor combined with a small aperture lens** will be a good plan and not too chat for people to take pictures.



For DSLR cameras and other cameras that can replace lenses, this change depends on the budget you need to buy the lens to fit most of the cases you need. For DSLR cameras, you need to pay attention to the crop factors. Camera sensors have a factor of 1.5x or 1.6x, which means that when you use 100mm lenses on camera sensors, the viewing angle is narrowed to approximately 160mm when used. used on full frame cameras. Therefore, cameras with smaller sensors give greater magnification than the same larger sensor camera that uses the same lens.

Refer to the following articles:

1. 10 simple photography techniques for impressive photos
1. 10 tips for taking beautiful photos with digital cameras
1. 9 basic rules of composition in photography

Hope this article is useful to you!

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