

How to shoot 4K video, using VR, AR without this?

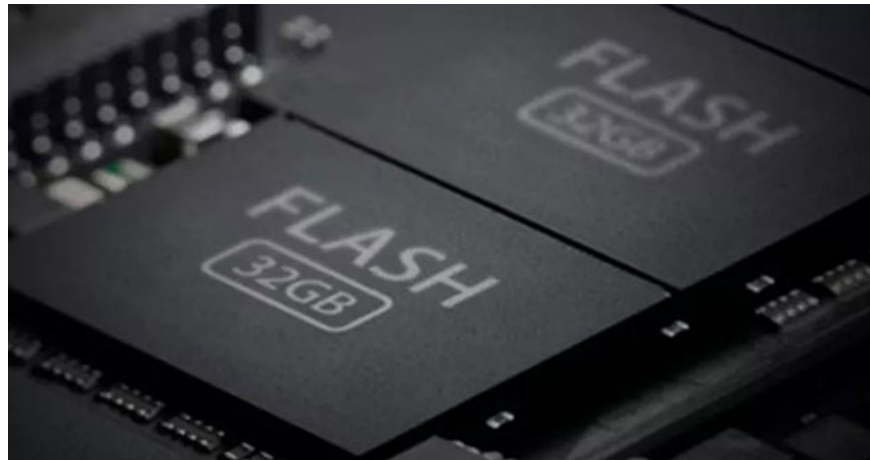
64GB memory is also not enough, and even cloud storage is not enough.

Galaxy S9's leaked image revealed last week, which means we are close to the new season of phones, as carriers launch new products and constantly invite users to upgrade. There are many important specifications to note but this year, there seems to be another thing worth mentioning, which is storage capacity.

No doubt the brightest stars of 2018 will use the latest chips. Qualcomm and Exynos 9's Snapdragon 845 are all promising improvements in performance. Snapdragon will shoot 4K HDR video at 60fps and Exynos will shoot 4K video with 120fps. 4K video recording is clearly not something new, but so that users should start worrying about having enough space to store them.

A Pixel 2 XL user who shares his storage seems to be getting less and less photographed, especially when shooting videos. Pixel 2XL only has 64GB while a 4K clip 54 seconds long consumes 270MB, ie 5MB per second and a 20 minute video will take up to 6GB.

If you use this year's Galaxy S9, the frame rate is 4 times, up to 120fps thanks to the Exynos 9 chip, the same video with the same compression will take up to 24GB. Obviously, there will be more quality videos but also because of that, the phone is more burdensome.



Current demand makes storage capacity seem to not keep up

He had to spend 9.7MB for Android OS, 5.7MB for other applications, 2GB for games and 24GB for MP3s, which means he hasn't filmed anything yet, taking two-thirds of it. Many people can use music streaming services but not always connected to the network.

Google and Apple both allow images and videos to be added to the cloud to save memory on the device. Saving on the cloud for free when using Pixel may be a good idea so that it doesn't have to expand internal memory, but saving on the phone still has its advantages. One can be used as a backup, if it is lost, and the other is not that you always have a network to show your friends.

In addition to movies from cameras, there are many other high quality content and they will consume a lot. New processors will bring significant improvements when using VR, AR applications and they themselves need storage capacity. If you plan to use the latest processor now, then the capacity must be 128GB or more to meet it.

This year, the storage capacity is clearly becoming more noticeable, though not too important, but it also makes the experience much better, avoiding situations like taking pictures and running out of space. Samsung, LG and HTC all have microSD memory cards for users to expand their capacity when needed. Maybe this will become the trend of 2018: the microSD card slot comes back when we need more and more storage space.

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