

What is bezel border? What is borderless screen design?

What is the bezel border?

Is the size of the bezel on a large or small device (or not always) different from the user? Imagine the bezel as a frame around the image. The bezel border surrounds everything on the front of the screen.

What is the bezel border?

The bezel border helps to create a uniform structure for the device but the technology trend goes in the opposite direction, creating devices with the largest screen possible. With phones, we have seen phablet devices like iPhone Plus or Samsung Galaxy Note series.

After all, the phone should be a small thing, you can comfortably put it in your pocket or hold it in your hand. So to increase the screen size without causing discomfort, the manufacturer must reduce the size of the bezel.



The bezel border surrounds the device

What is the benefit of the device without the bezel?

When it comes to 'bezel borderless', it is usually meant to be a small bezel, not completely without a bezel. After all, we still have to have a frame around the screen, not only for the integrity of the device structure but also for storing some devices like the front camera.

The main benefit of reducing the bezel size is to increase the screen size. In terms of width it is only a margin but if you change the front button to expand the screen, you will see a significant increase in size.

For example, the iPhone X is only slightly larger than the iPhone 8, but has a much larger screen size than the iPhone 8 Plus. This allows developers like Apple or Samsung to create a bigger screen, reducing the overall size of the phone, making it easier to hold in the hands.

However, not every big screen is easier to use. When the screen size is large both in width and height, it means that the hand will have to go farther to touch the buttons on the screen. The emerging borderless design now adds height but only slightly expanded, so it is not really easy to use.

Disadvantage of non-border screen design?



Samsung Galaxy S7 Edge phone has edge overlay screen

On tablets or TVs, the borderless design is great. These devices have huge bezel edges compared to phones, so freeing up space will significantly increase the screen size, but the overall size will not increase much.

But the phone is different, especially for phones with almost no bezel like the Samsung Galaxy S8 +. One of the commonly used accessories is the phone case, but when wrapping it outside the phone, you lose the screen around that border.

The borderless design also makes the hand less 'earthy', not only is there less room on the screen, but there is less space around the edge to hold the device. This can lead to a clue to touch a button or drag a web page. Although it may decrease when you get used to the new design, the initial experience will not be 'fun'.

What about TVs and borderless screens?



Samsung QLED HDTV curved screen has a design of almost without bezel

A TV or a bezel screen is much more useful than a phone. Computer monitors and HDTVs do not have the same requirements as phone screens. For example, you do not have to put the front camera on the screen, can also ignore the speaker and also only use the button if the remote control is lost. Buttons can be placed on the side or bottom of the screen.

In fact, we already have a borderless bezel. That is the projector. Of course, one of the reasons that the bezel border is difficult to put on TV is because the wall behind it acts as a frame.

In addition to projectors, there is not really any such TV. Manufacturers still advertise borderless displays, but in fact, they still have thin edges around the screen, not without.

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