

Find out about laptop screen types

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Ratio and screen resolution

Previously, most laptop screens had only two types of 'square' or 'wide'. In fact, the screen aspect ratio is not simply 'square' or 'wide' but is divided into different levels, depending on the resolution.

For example, the usual 'square' 15-inch screen will have a resolution of 1024x768 pixels, or 1400x1050 pixels, equivalent to a 4: 3 ratio. This is a common ratio for screens ever (especially for CRT or TV screens). The screen has a 4: 3 resolution ratio usually without the W symbol and includes some of the following common types:

Normal screen Wide screen XGA / 1024x768 / 4: 3 WXGA / 1280x768 / 5: 3 SXGA / 1280x1024 / 5: 4 * WXGA / 1280x800 / (16:10) SXGA + / 1400x1050 / 4: 3 WXGA + / 1440x900 / (16:10) UXGA / 1600x1200 / 4: 3 WSXGA + / 1680x1050 / (16:10) WUXGA / 1920x1200 / (16:10)

Currently, the wide screen with 16:10 ratio almost exclusively dominates the laptop market. The 16: 9 ratio is mainly used in movie display devices, so if you watch DVD movies on laptops with large screens, you still see black bands on either side of the frame. You should also note that the LCD screen has a constant number of pixels so when the graphics card output is low resolution, many pixels will have to use different display algorithms to 'hide' less. The inevitable consequence is that the image will be blurred a lot!

Screen size

The manufacturer lists the screen size diagonally and in inches. The following is a list of common screen types commonly found on laptops:

Normal 4: 3 ratio:

1. 14 "- XGA
2. 15 "- XGA, SXGA +

Currently popular wide screen:

1. 10.6 "- WXGA (1280x768)
2. 12.1 "- WXGA (1280x800)
3. 13.3 "- WXGA (1280x800)

4. 14.1 "- WXGA (1280x800)
5. 15.4 "- WXGA (1280x800), WXGA +, WSXGA +
6. 17 "- WXGA, WXGA +, WSXGA +, WUXGA

Among these, the most popular 14.1-inch screen type, due to the balance between mobility and working comfort. The 15.4-inch size is suitable for laptops used for desktop replacement purposes, while the 17-inch limits users to certain areas (graphic design, video editing), gaming. The size of 13.3-inch and below is ideal for very compact and slim moving.

Currently, the wide format screen almost occupies the top spot in the laptop market, thanks to the advantage of enhancing the viewing space, while minimizing the body size enhancement. Biologically, the human eye has a horizontal view larger than the vertical range, so the wide format is also more suitable. In addition, modern games and applications have also actively supported the 16:10 ratio. Models with 4:3 screens are no longer available, except for some Lenovo models.



Glossy & Matte: mirror screen, matte screen

In terms of appearance, there are two types of screens that users are accustomed to to call a normal screen (matte), and a mirror screen (glossy), which is preferred.

Want to know what kind of monitor your laptop is using?

- Very simple, because as the name implies, the mirror screen is very shiny thanks to the protective layer covered up on the display surface, in order to reduce the black space between pixels, to help enhance brightness and contrast (similar For longer battery life, by reducing the power supplied to the monitor).

Unfortunately, the weakness of the mirror screen is also this reflection. Some users believe that using a computer

with a mirror screen is more eye-strain than blurring.

However, when selected, most buyers choose a mirror (: D), not only because of its bright effect, but also because of its 'stylish' appearance when the laptop has this type of screen.

Mirror screens also have a slightly higher price than regular ones.

- Appeared since the LCD screen was born, but now the normal screen (blurred) is still used. For some people who regularly use laptops, this type of screen is a more attractive option because it does not reflect light like a mirror screen. In addition, the latest lines have very good contrast, while reducing the black space between pixels. Therefore, they still appear quite a lot in the new Apple computers, or Dell.

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