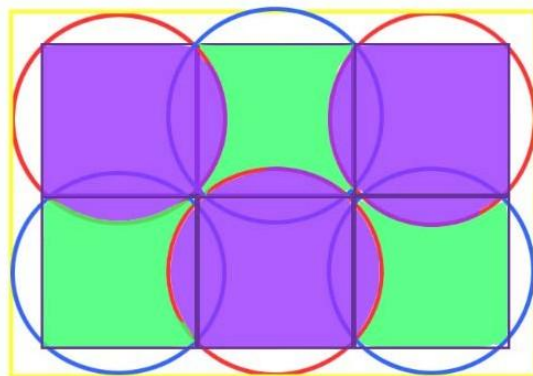


Multi-screen video resolution calculation

(1) adaptive

For example, for a 3x2 G65 multi-screen, the adaptive cutting effect is as follows.

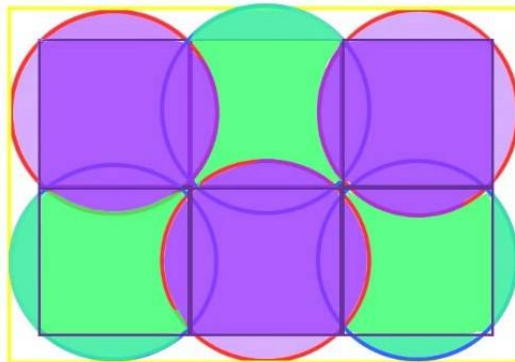


The display area is the shaded part of the picture above, and the video only needs to control the aspect ratio to 3:2. For example 1080x720

It is suitable for adaptive cutting to the 3x2 screen.

(2) full screen

For example, the 3x2 G65 combined screen, the full screen cutting effect is as follows.



The display area is the shaded part of the above figure. Assuming the diameter of the fan is d , the side length of the inscribed square is about $0.7d$, and the left and right sides are left with $0.15d$. Therefore:

Width Height

$$\begin{aligned} &= (3 \times 0.7d + 0.3d) / (2 \times 0.7d + 0.3d) \\ &= 3 \times 0.7 + 0.3 / 2 \times 0.7 + 0.3 \\ &= 2.4 / 1.7 \end{aligned}$$

At the same time, the video should be proportionally distributed in the shaded area, otherwise it will not be displayed.

Note: General calculation $(w \times 0.7 + 0.3) / (h \times 0.7 + 0.3)$, as w, h increases, it gets closer and closer to w/h