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Several ways to improve the internet ip camera low-light imaging effects by [Guardlyer](#)

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Low-light internet ip camera currently on the market regardless of vendor or customer, we vary the definition of low light, but also because in the domestic market is not standard illumination unified, but customers are currently on low according to the increasingly high, requiring 24-hour monitoring, but how to improve low-light imaging results, the following by the surveillance ip camera manufacturers in Shenzhen Wei billion Heli Xiaobian to resolve.

First, the use of infrared filters and switching circuit for color / monochrome conversion, during the day to filter out infrared light not visible to avoid the interference of color at night so not visible to the rake face of the infrared light shines on the sensor, can improve the best ip camera to a certain extent low according to results; another electronic circuit color signal to be eliminated, without IR cut filter, this method only improve the color noise in low light, low according to the effect of improvement is not large.

Digital noise reduction technology, in order to further improve the image height in the low environment is often the need to increase the gain (AGC), but increase the gain at the same time, the brightness of the image noise with the upgrade, so the noise from a number of high-grade low according to the camera's digital point of view, low according to the noise excessive, the better to improve the cleanliness and clarity of the image, thereby enhancing low according to imaging results, but the digital noise reduction technologies are based on the 3D or 2D technology. so the ip network camera noise reduction is activated, or tailing and animation flu.

Frame cumulative way: the market mainstream CCD true illumination of the best 2/3 in. CCD camera on the market in black and white mode only 0.01lux, but also some security ip camera nominal 0.0001lux or less these are used to frame the cumulative use of computer memory technology, continuous built up several underexposed picture, a more bright and clear drawings, but this high-speed moving objects can not capture, appear to drag shadow (Smear) is like, you can not see the objects

CCD and CMOS can only satisfy the given set of circumstances, not particularly dark, low according to monitoring.

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