

What is HD-SDI camera? Outstanding advantages and disadvantages of HD-SDI camera

What is HD-SDI Camera? What advantages and disadvantages of Camera make it one of the most popular security surveillance cameras today?

Nowadays, many people use HD-SDI cameras because of the useful features they bring. However, not everyone understands this device clearly. Therefore, the article below **TipsMake** will help you have a clearer view of **what HD-SDI Camera is** and know the outstanding advantages and disadvantages of HD-SDI cameras.

What is HD-SDI camera?

So **what is HD-SDI Camera** ? This is a type of camera that uses HD-SDI standard digital technology. However, the strength of HD-SDI is that it maintains high image quality and has no transmission delay compared to other interfaces such as previous generation Analog.



With standard HD 720P (1280×720) and full HD – 1080P (1920×1080) resolution, it gives you the sharpest and most realistic experience.

What are the advantages of HD-SDI cameras?

1. *High Definition:*

HD-SDI camera with 1080P resolution (2 megapixel) allows to provide high definition images. This meets the growing demand for quality and clarity in security surveillance.

HD-SDI vs Traditional CCTV resolution



In addition, HD-SDI cameras are also capable of transmitting high-quality video signals at a distance of about 100-130m from the HD-SDI camera recorder to the HD-SDI camera. This is an advantage compared to other interfaces such as HDMI, where the transmission distance is often more limited.

1. *Simple to use:*

HD-SDI camera system is a high definition analog camera system, which simplifies installation and use. It is more stable and less prone to errors than IP cameras.

Signal transmission is network independent, eliminating problems such as signal delay.

1. *Create a sense of familiarity:*

You can use HD-SDI technology easily without complicated knowledge. This helps you optimize your time. Because when installing HD-SDI cameras, you have worked with familiar technology in cameras, DVRs and coaxial cables.



1. *Meet the needs:*

HD-SDI cameras easily meet all customer needs, from upgrading systems using HD-SDI cameras in important locations to fully upgraded features.

1. *Easy to upgrade:*

HD-SDI works over coaxial cable, so any legacy system you have can be upgraded to HD-SDI without the need for rewiring.

Disadvantages of HD-SDI cameras

1. Cannot be combined with devices of old Analog system and with IP camera on the same system.
2. The price is higher than products using the same type of HD-TVI and HDCVI.
3. Image quality degrades beyond 150m due to the short data transmission distance over coaxial cable.

Through this article, you have somewhat had a more general view of what is **HD-SDI Camera** ? There are many types of technology devices on the market today, but choose the most suitable surveillance camera for yourself. If you still have questions, you can contact TipsMake, our consulting team is always ready to help anytime, anywhere.

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