

Features and Benefits

WDR (Wide Dynamic Range)

The WDR function is intended to provide with clear image performance in strong backlight areas such as exterior light coming through a window or glass door. High contrast light conditions are no longer a problem when you need to capture detailed images.



Conventional Camera



WDR Camera



ICR (Infrared Cut filter Removal)

An IR filter – or IR cut filter - is a color filter blocking the infrared light. In order to avoid unwanted side-effects caused by infrared light (as part of the natural ambient light) during image recordings in daylight mode, an IR Cut Filter is installed in front of the sensor. The filter is meant to prevent the incidence of light onto the image sensor.

When ICR is on, camera is able to increase highly its light sensitivity in monochrome mode.

BLC (Backlight Compensation)

Backlight is the light behind the object of interest in a scene. Back Light Compensation BLC automatically brings more detail to darker areas of an image when bright light shining from behind obscures it and provides perfect exposure for an object in front of very strong back light. The electronic shutter of the camera basically adjusts its exposure to try to allow for more light to be allowed in the darker areas.



Conventional Camera



With BLC



Privacy Mask

Privacy masking is a common term covering the need to restrict what can be seen by camera. It applies equally to image displayed in real time basis for surveillance purposes and image recorded for later use. This function is used to protect personal privacy by concealing part of the image from view with a masked area.

By avoiding privacy infringement issues, this function allows users selecting several sensitive areas to be blocked from undesirable monitoring.

HLC (Highlight Compensation)

It is ability to reverse bright points in the picture to black. As an effective approach to recognize vehicle's number-plate at night, HLC function can detect any spotlight diffused by object-vehicle and compensate it for obtaining clearer image.



HLC Off



HLC On



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With AWB

AWB (Automatic White Balance)

Color temperature is directly related to environment and it influences on the color of image. AWB automatically adjusts the white balance in response to varying light conditions to reproduce accurate color without any color-cast caused by different lighting source (ex. Incandescent, fluorescent and quartz light).

Super Low Light Performance

With advanced ISP technology, Hikvision's cameras provide ultra high sensitivity allowing visibility in very dark conditions.



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With ISP



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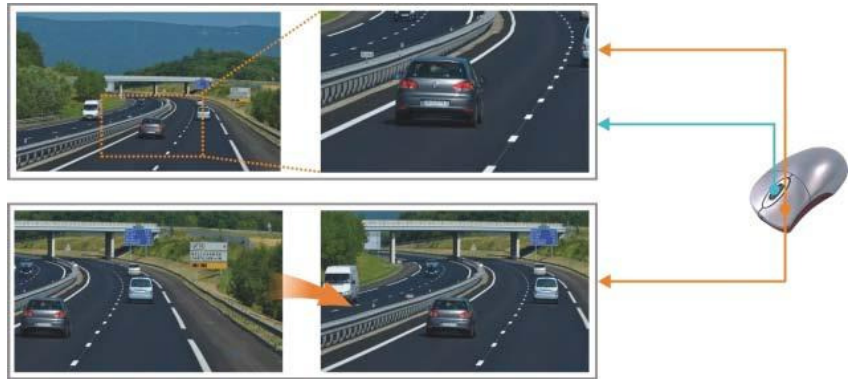
With AGC

Automatic Gain Control

It's a form of amplification where the camera will automatically boost the image received in much lower light conditions than standard in order to optimize the clarity of image in poor lit scene.

3D Intelligent Positioning

A easy-to-use function enabling user to track and zoom out any suspected objects by simply drag-and-click mouse.



Conventional Camera



With 3D DNR

3D DNR (Digital Noise Reduction)

Compared to traditional DNR technology, 3D DNR can decrease the noise effect, especially when capturing moving images in low light conditions and delivering more accurate and sharp image quality.

Smart IR

In some case of misjudging the length of IR range and subjects, IR cameras lead to frequently over-exposed subjects. That's why smart IR is there to solve this type of issue by adjusting automatically IR light and based on subject's distance, resulting in a clear image that is not washed out or too dark.



General IR Camera



Smart IR Camera

DIS (Digital Image System)

DIS cameras are new series of analog entry-level products developed by Hikvision, with excellent image quality, low powerconsuming and high reliability, the DIS cameras can provide a perfect cost-effective alternative to traditional analog cameras.



Conventional Camera



DIS Camera