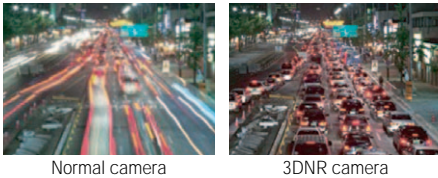


# 3DNR & HSBLC Series

## A. 3DNR(3D Noise reduction)

With 3D Noise Reduction(3DNR) embedded, it produces extremely clear picture quality even under low light condition for 24/7 surveillance.



## B. HSBLC(Highlight Suppression BLC)



It cuts off the strong lighting like the "headlight". According to user's adjustment, zones & sensitivity can be adjustable. In case of the car surveillance, it remarkably performs recognizing license plate or subject.

## C. D-WDR(Digital Wide Dynamic Range)

- **Color reproduction improvement**  
A low light area could be recognizable without Digital Wide Dynamic Range but it is impossible to capture a clear image without improving a color signal processing. Thanks to the improved color signal processing named as D-WDR, this series unveils the improved color reproduction.
- **Clear-cut feature improvement**  
The technology makes the Dynamic Range enlarged by improving the contrast between low and high lighting areas and does the middle brightening area - the Dynamic Range cuts a loss - compensated by the clear-cut feature improvement.
- **Contrast improvement**  
The contrast is improved by D-WDR Image Processing technology with analyzing the information of the brightness and mapping the different brightness.



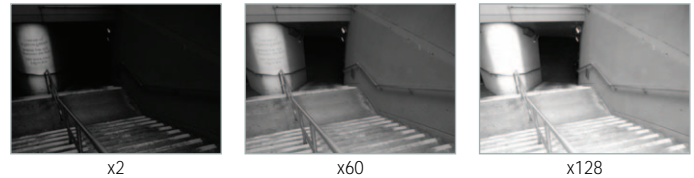
## D. Wide range of Automatic White Balance (2,000° K ~ 20,000° K)

The Automatic White Balance provides an extensive range color temperature control that covers from 2,000°K to 20,000°K generating natural color image without being red or blue in varying light conditions.



## E. Sens-up

The Sens-up function allows the camera can display the bright image even extreme darkness.



Important Tips :  
IR Distance can be extended twice longer when <Sens-up> is set x2 ~ x6.  
Caution: When Sens-up is adjusted for more than 8 times (x8), the picture becomes brighter but the frame rate relatively gets slower resulting in the picture becomes slow motioned.

## F. Camera ID setting

Users can use the camera identification (Camera ID) to assign a name of the camera.  
The camera ID consists of up to 15 alphanumeric characters.

## G. Digital Zoom ( x1 ~ x32)

The screen can be digitally zoomed with provided OSD control.



## H. Privacy zone masking

When the unit is observing a wide area, the captured image can be masked for privacy purposes.  
Users can easily configure the size and position of the required privacy zones.

