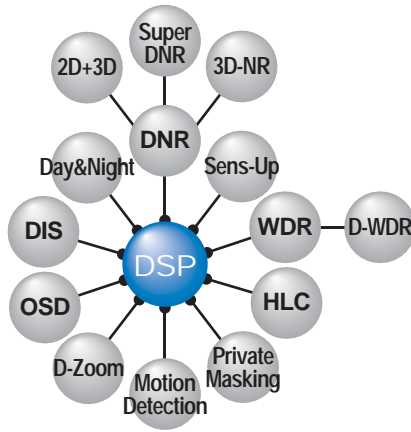


# Camera Terms & Features



## DSP (Digital Signal Processor)

With skilful experience and advanced technology, Camtron has developed our own high quality CCTV cameras. Camtron apply the latest DSP appropriate for market and guarantee high definition images. Camtron assures the highest quality supporting various technology, DNR, True Day&Night, Multi languages OSD, WDR



## CCD (Charged Coupled Device)

CCD is a semiconductor imaging device which changes light energy into electric signal. Camtron supplies outstanding clear images by using Sony's high sensitivity CCD, Vertical Double Scan CCD, Hitachi 1/2" and so on.



## Sensitivity (LUX)

A camera's ability to reproduce a given scene with a given amount of light. Usually expressed on lux.



## CMOS (Complementary Metal-Oxide Semiconductor)

CMOS is digital image sensor composed of several pixels. Camtron uses ORCA, Beluga of PIXIM and other CMOS



## BLC (Back Light Compensation)

It is an ability of a camera to balance the lighting in a scene with an extremely bright background such as sunlight. It helps to obtain the finest light contrast and get clear images.



## DNR (Digital Noise Reduction)

DNR technology will supply you with outstanding clear images by reducing noise of picture. DNR technology has excellent disk-saving effect. Camtron supports brilliant DNR technologies like Super DNR, 3D-NR and 2D+3D



Normal

BLC



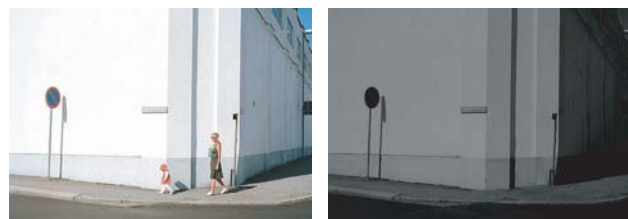
## True Day&Night ICR(Infrared Cut Filter Removal)

To provide clear images in low lightning condition the IR cut filter moves automatically. This technology can be operated by Day&Night lens or Filter changeable mechanism on board.



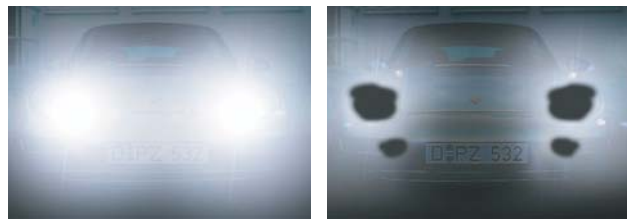
## HLC (High Light Compensation)

It is ability to reverse bright points in the picture to black. HLC improves the ability of the entire system to display shades of grey elsewhere in the picture. It is called as Eclipse or HLBC as well.



Day Image

Night Image



HLC Off

HLC On



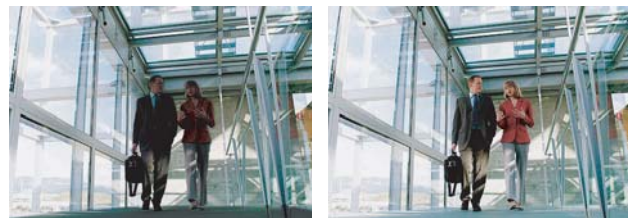
## WDR (Wide Dynamic Range)

WDR combines two fields which are high shutter speed exposure in bright areas and low shutter exposure in dark areas into one composite image. It helps to get clear images from dark parts of the image without saturation from the bright part.



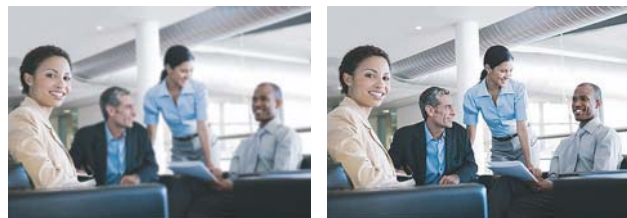
## Focus Free

Focus free lens enables camera to supply full range of vivid screen. Compare to conventional V/F lens, it realizes more perfect clear background. There's no need to adjust focus at all. Camtron use 2.9x, 3.6x optical glass lenses.



Normal

WDR



Normal

Focus Free

# Camera Terms & Features



## DIS (Digital Image Stabilizer)

DIS removes image jitter causing by vibration or wind. It can be reduced storage space required to store images in the HDD.



Normal

DIS



## Sens-Up

Sens-Up technology ensures clear and vivid images even if it is in low light condition.



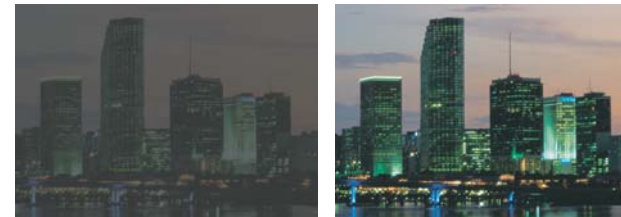
Normal

Sens-Up



## AGC (Automatic Gain Control)

AGC is circuit that automatically adjusts the incoming signal to proper level for display or recording and the sensitivity of pick-up object to render the most pleasing images. It improves performance in low light conditions.



Normal

AGC



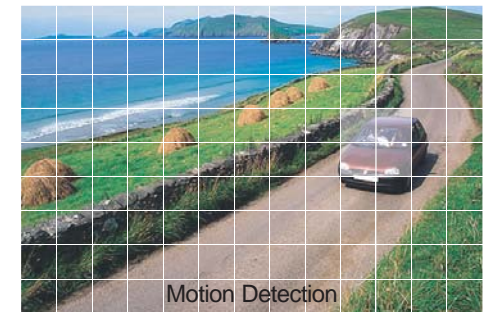
## OSD (On Screen Display)

It is possible to control menu displayed on screen for adjusting diverse image quality of camera



## Motion Detection

Motion can be detected and displayed in appointed area. It is possible to set up motion detection zones user wish.



Motion Detection



## ATW (Auto Tracking White Balance)

Color temperature is directly related to environment and it influences on the color of image. ATW automatically adjusts the white balance in response to varying light conditions.



Normal

ATW



## UTP (Unshielded Twisted Pair)

It is Unshielded Twisted Pair cable classifying like CAT 3, 5, 6. It can be used for transmitting video image into UTP instead of expensive video cable.



## IP

IP classifies the degrees of protection provided against the intrusion of solid objects (including body parts like hands and fingers), dust, accidental contact, and water in electrical enclosures.



## Vandal

Camtron's Vandal Dome Camera is made of Aluminum & Poly-Carbonated Material Housing and achieved IP66 level of waterproof. It is designed for outdoor and has the capacity of not only strike(impact) from environment but also of waterproof and dustproof.