



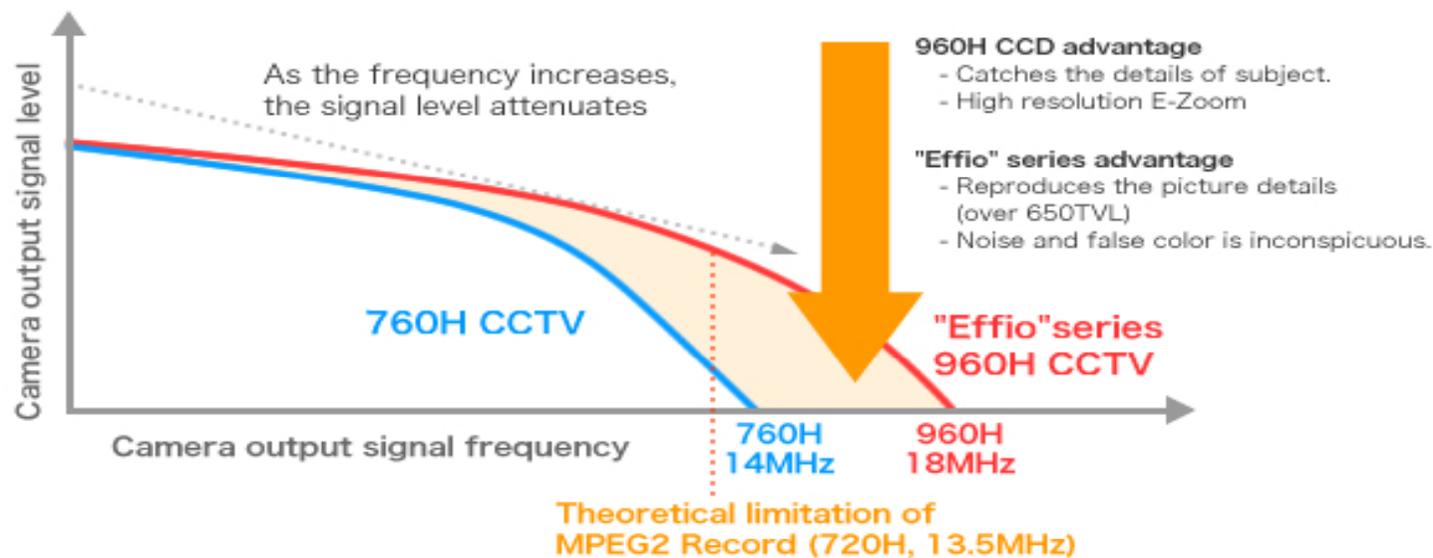
Key Features

- ❖ 1/3" Sony 960H Ex-view HAD CCD Image Sensor
- ❖ High resolution of 650TVL(D)/700TVL(N) with 960H CCD
- ❖ New Color Signal Processing for High Color Reproduction
- ❖ 2DNR(2D Digital Noise Reduction)
- ❖ High Light Compensation
- ❖ ATR(Adaptive Tone Reproduction)
- ❖ Dynamic and Static White Blemish Compensation
- ❖ Motion Detection
- ❖ Intelligent IR Image Compensation
- ❖ RS-485 Interface(Pelco-D Protocol)



Technical Advantage of 960H CCD Sensor

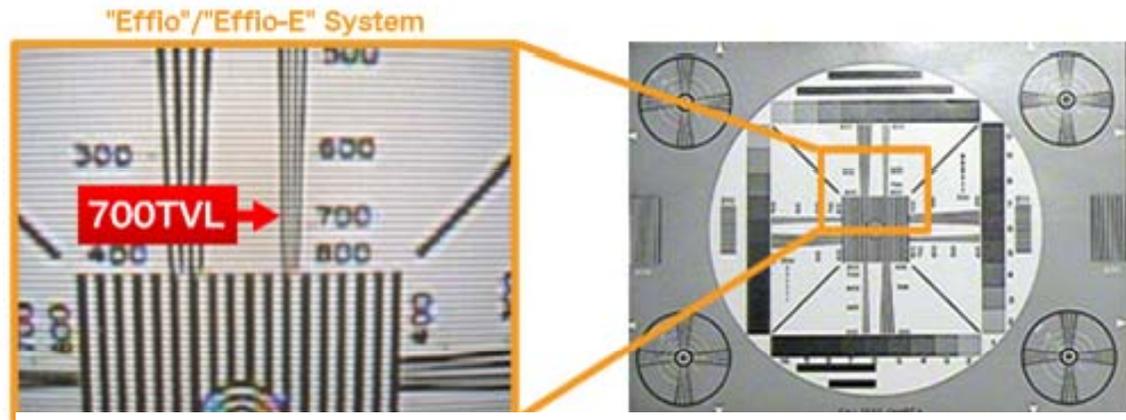
- ❖ The number of 960H CCD image sensor (ensures the amount of information in the input stage) and "Effio" Series superior signal processing technique (high resolution video output) maintains image information to the utmost limits.



Concept of Frequency-dependent Attenuation of Camera Output Signal

Higher Horizontal Resolution

- ❖ Combination of Effio-E and new 960H CCD provides clearer picture.
- ❖ Higher resolution of Over 650TV Lines at daytime and 700TV Line at night time.



Conventional System
760H Normal CCD



Effio-E™ System
960H Normal CCD



(Image picture)

New Color Signal Processing

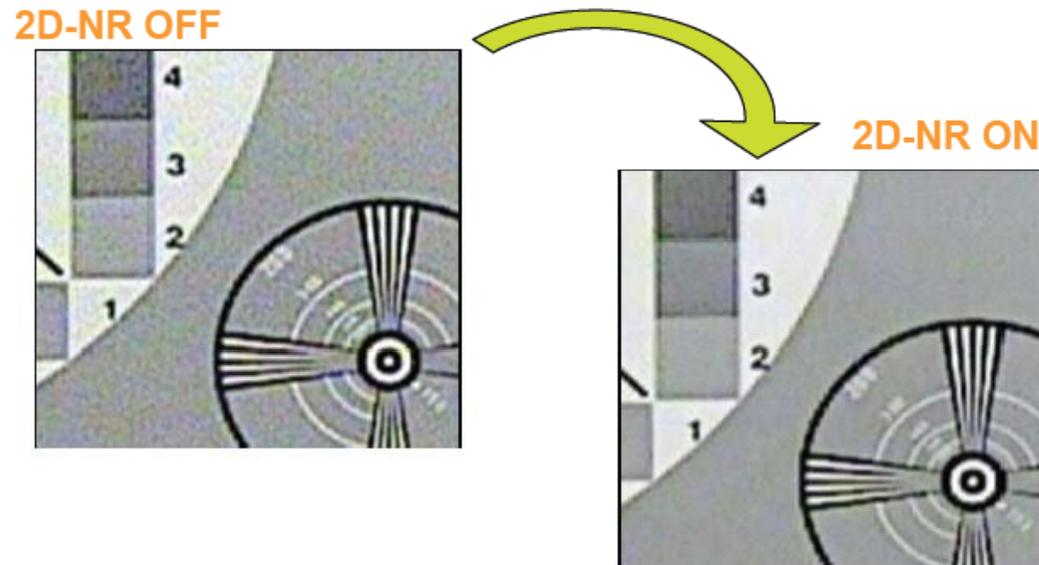
- ❖ Improving chroma signal processing accuracy provides high color reproduction.



Color chart under halogen lamp

New Color Signal Processing

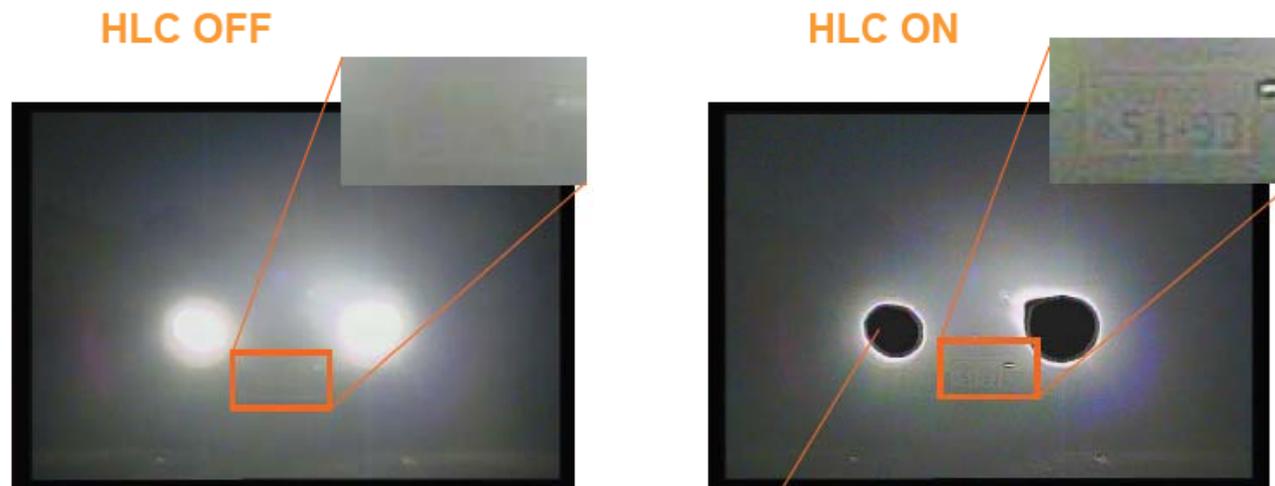
- ❖ Undertake spatial filtering for one image with leaving edges intact.



- ❖ Y/C Noise filter selectable independently.
- ❖ NR strength possible to change in tandem with AGC value.

Highlight Compensation

- ❖ Mask Y input data exceeding threshold level in black.
- ❖ HLC activated automatically depending on the shooting conditions (detects night and high-luminance).

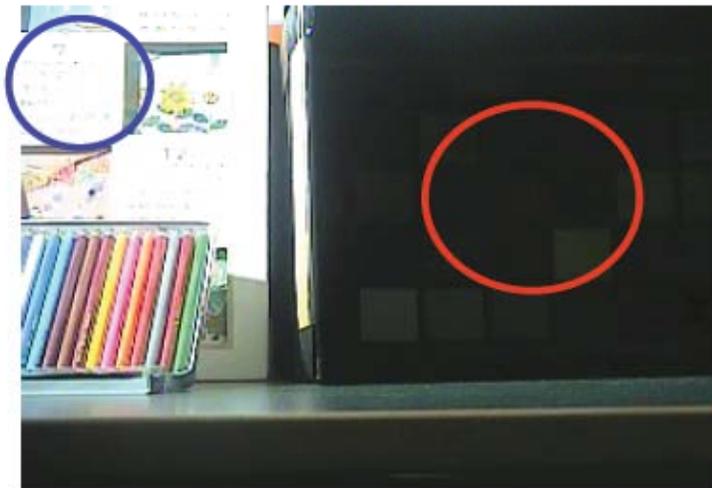


Headlights masked in black
(Remaining in white also possible)

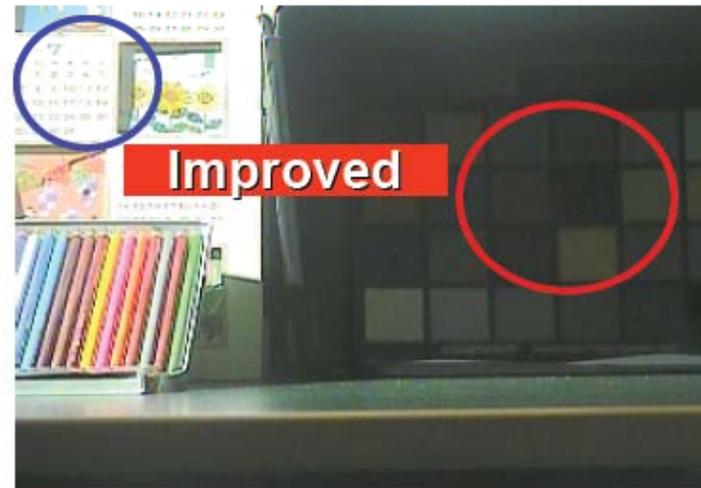
ATR(Adaptive Tone-curve Reproduction)

- ❖ Pixel-to-pixel basis tone-curve correction optimizes contrast of image.
- ❖ Different tone-curves applied in one whole image depending on the luminance level of each pixel.

ATR OFF

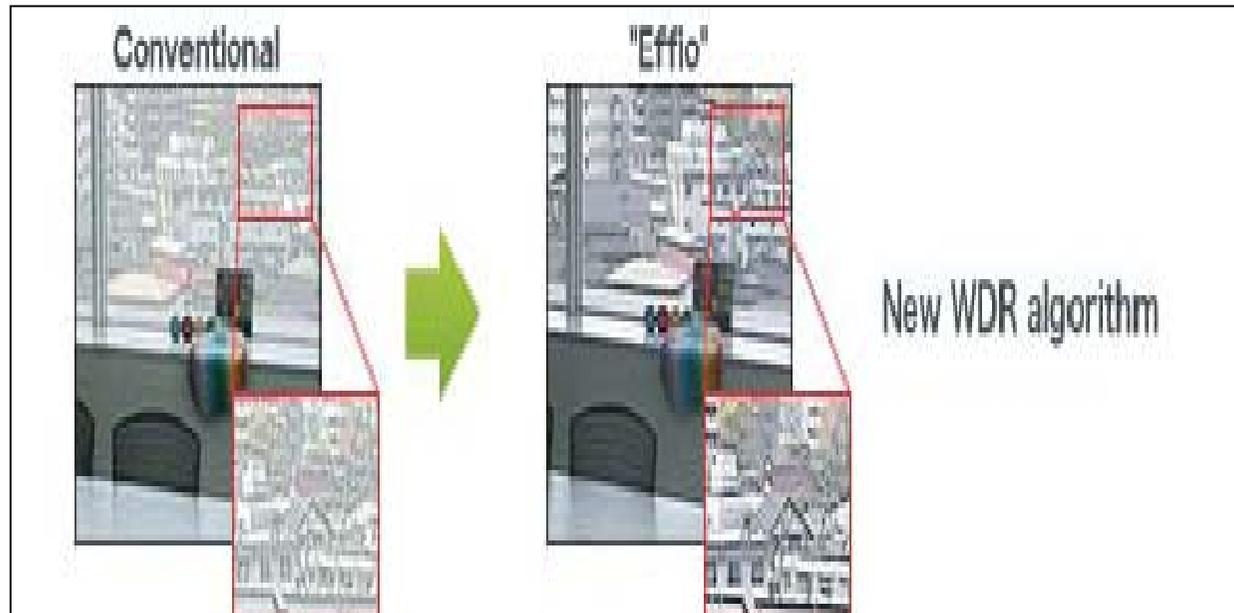


ATR ON



Wide Dynamic Range

- ❖ Newly & Perfectly developed WDR function jumps the technology hurdles of the conventional WDR cameras.



Low Light Performance

- ❖ Remarkable super sensitivity with 1.6times higher than conventional WDR camera.



Conventional



Effio-E



Intelligent IR Image Compensation

- ❖ Even if the objects come closer to the IR light shooting area, Visionhitech's technology completely compensates IR Over Saturation.



Conventional



Visionhitech's Effio-E