

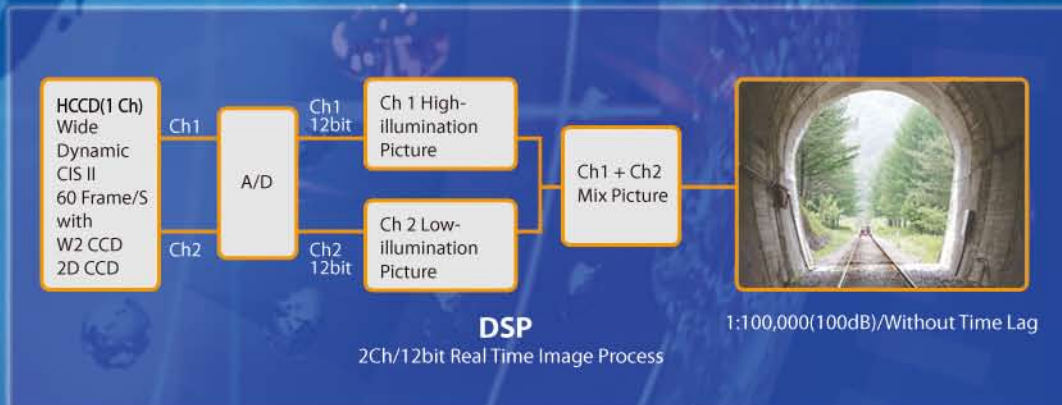
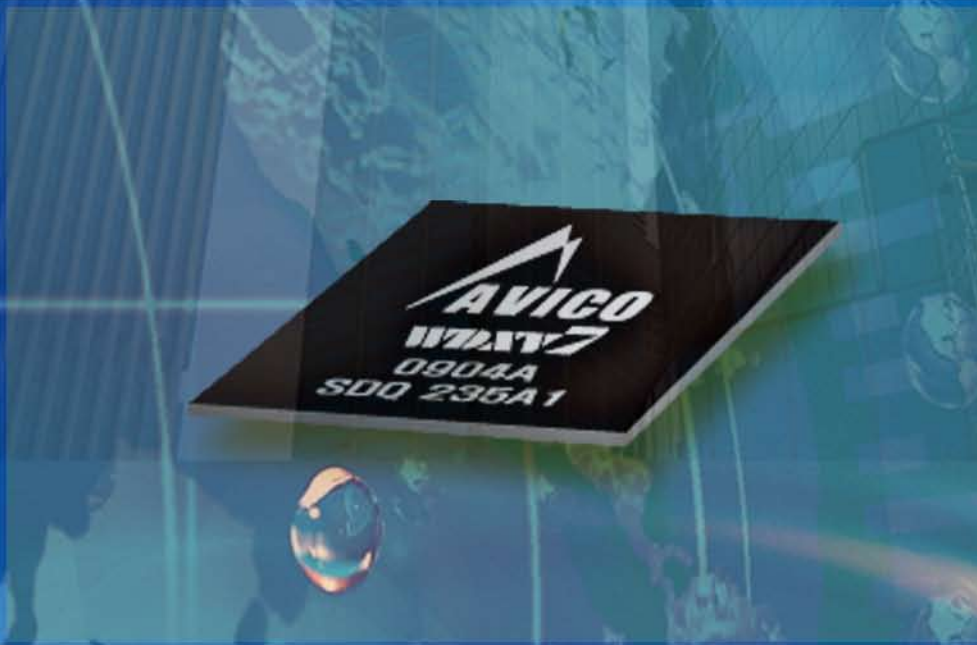


WDR
3D DNR
600TVL
High Resolution Camera



WDXV7

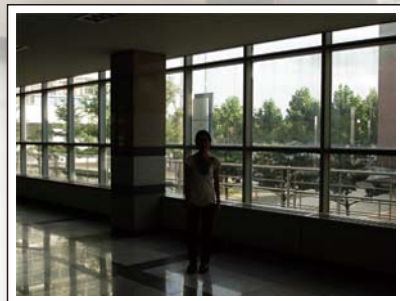
**600TVL Ultra High Resolution
Powerful WDR & 3D DNR in a DSP Chip**



WDR (Wide Dynamic Range)

WDXV7 DSP delivers a powerful Wide Dynamic Range to the camera to provide the best pictures in interior and exterior conditions under extreme high contrasts between lightness and darkness and automatically compensates a necessary light level to get detailed information in the dark part without saturation from the bright part.

Our WDXV7 technology enables the WDR function to be very efficient in normal CCD by using Dual Shutter (Long & Short shutter) algorithm and the specialized AE (Auto Exposure) and intelligent image processing.



WDR OFF



WDR ON

3D DNR (Digital Noise Reduction)

WDXV7 DSP technology achieves a 3D-DNR (3 Dimensional-Digital Noise Reduction) function very excellently by using upgraded 3D filtering and enables to keep this function automatically while operating the camera to provide the clear and superior images in very low light luminance. Normally video noise is increased at low light condition while the gain level of amplifier expands. So WDXV7 DSP compensates the dynamic noise by using the information of formal frame in no activity part.



Conventional DNR Camera



WDXV7 Camera

ZERO DEFECT

WDXV7 DSP with Perfect Adaptive Defect Correction delivers more clear pictures to be captured in very low light illumination by using two methods of algorithm for the defect pixel compensation and performs the zero defect throughly.

Conventional DNR Camera



WDXV7 Camera



CCD Defects



DSS (Sens-Up x512)

WDXV7 DSP permits high quality pictures by supporting a long time of the exposure more than 1/60sec.[NTSC] and enables to recognize the shape and color of suspended object under the no light condition in case of the exposure of more than 8sec.(x512).



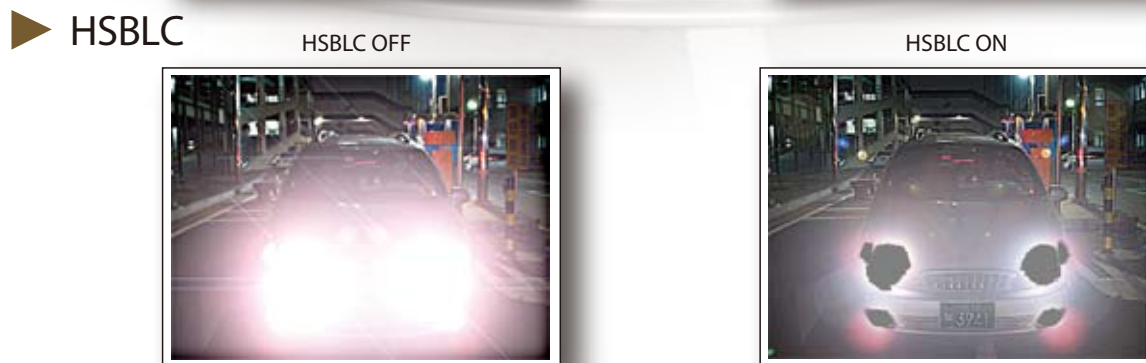
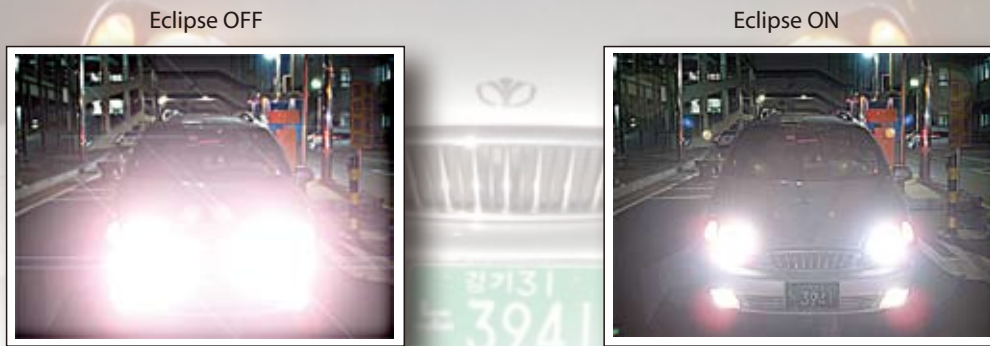
DSS OFF



DSS ON

ECLIPSE

WDXV7 DSP technology enables to recognize a visible car license plate clearly by blocking unnecessary lights.



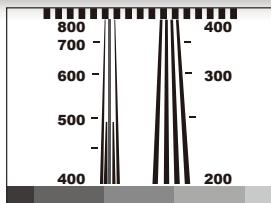
600 TVL ULTRA HIGH RESOLUTION

The horizontal resolution of 600 TV Lines at Color mode and 700 TV Lines at Black/White mode by using a high density CCD in our WDXV7 DSP.

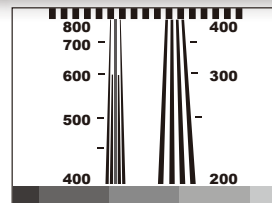
WDXV7 technology performs vivid and obvious image output with ultra high horizontal resolution by using a own De-mosaic interpolation algorithm and also the specialized and built-in sharpness filter.



Conventional Camera



WDXV7 Camera



D-ZOOM_(x1~x10)

WDXV7 DSP technology enables a various magnification and helps to get the enlarging video image very conveniently. By WDXV7 DSP have a remote control technology for a camera without physical control by a built-in fan & tilt function on the chip.



Digital Zoom OFF



Digital Zoom ON

DIS (Digital Image Stabilization)

WDXV7 DSP delivers the digital image stabilization and the picture accuracy for anti-shaking compensation against the exterior influence such as wind and vibration after installing camera and permits more stable images in video output.

WDXV7 DSP enables to get the moving direction information of the objects per field as the chip has a built-in image tracking module.



DIS OFF



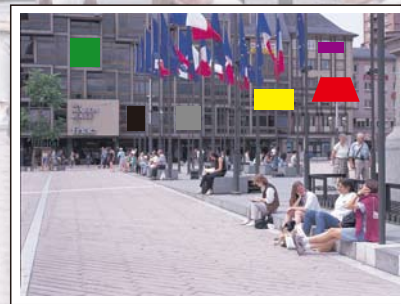
DIS ON

POLYGONAL PRIVACY MASKING (Polygonal, 8colors)

WDXV7 DSP ensures to protect the privacy for the private and specific areas onto the video signal output by polygonal masking function very conveniently and exactly. WDXV7 allows the size and position of masking area to be controlled very easily and conveniently and 8 areas masking setting which is user programmable in color, brightness ad mosaic.



Privacy OFF



Privacy ON

HIGH SENSITIVITY TRUE DAY&NIGHT

WDXV7 DSP loaded with Day & Night function delivers the high quality of the color image and performs while converting the color into monochrome automatically as under less than the specific level of the sensitivity.

Also WDXV7 DSP is more superior in the Sense-up function with x512 and 3D-DNR very effectively to ensure a clear image in the darkness.



Conventional Camera



WDXV7 Camera

FEATURES



- 1/3" SONY SuperHAD CCD
- High Resolution 600TV Lines
- WDR(Wide Dynamic Range)
- 3D DNR(Digital Noise Reduction)
- Zero Defect
- Sens-Up Function(x512)
- Eclipse Function
- Internal/Linelock Function
- Digital Zoom (x1~x10)
- Back Light Compensation
- Day & Night Function
- DIS(Digital Image Stabilization)
- Motion Detection
- RS485 / PELCO-D
- LSC(Lens Shading Compensation)
- Privacy Mask(Polygonal Mosaic)
- O.S.D menu function



SPECIFICATION

TV System		NTSC	PAL
Sensor		Sony 1/3" SuperHAD Sensor	
Synchronization	Internal	H/V 15.734/59.94Hz	H/V 15.625/50Hz
	Line Lock	H/V 15.750/60Hz	H/V 15.625/50Hz
Scanning System		2:1 Interlace	
Horizontal Resolution		600 TV Lines (Max.) / 700TV Lines(B/W)	
Min. Illumination	Sense-Up Off	0.12Lux(15IRE), 0.2Lux(30IRE), 0.4Lux(50IRE) F1.2	
	Sense-Up On	0.0002Lux(15IRE), 0.0005Lux(30IRE), 0.0008Lux(50IRE) F1.2	
Video Output		1.0Vp-p/ 75ohm Video 0.714Vp-p	
γ Correction		0.45	
S/N		More than 52dB(AGC off)	
O.S.D		Built-in	
		LENS,E-SHUTTER, BACKLIGHT,WDR, AGC, SENS-UP	
		WHITE-BALANCE, DAY&NIGHT, MOTION, MIRROR	
		SHARPNESS, GAMMA, FREEZE, NEGA, DNR, D-ZOOM	
		LSC, ECLIPSE, DIS, PRIVACY, COMMUNICATION	
		SYNC, CAMERA-ID, TITLE	
Electrical Shutter		1/60~1/120,000	1/50~1/120,000
Privacy Masking		8 Windows(Polygonal, 8 Colors)	
Day & Night		COLOr / BW / AUTO / EXT	
Motion Detection		ON / OFF	
Digital Zoom		x1.0 ~x10	
Sens-Up(Low Shutter)		OFF ~x512	
SYNC		AUTO / INTERNAL / DIGITAL LINE LOCK	
White Balance		ATW / AWC / MANUAL / PUSH	
SHARPNESS		0 ~49	
MIRROR		ON / OFF / V-FLIP, ROTATE	
WDR(Wide Dynamic Range)		ON / OFF(STEP1, STEP2, STEP3)	
3D-DNR(3D Digital Noise Reduction)		ON / OFF(OFF, LOW, MID, HIGH)	
LSC(Lens Shading Compensation)		ON / OFF	
BLC(Back Light Compensation)		ON / OFF	
DIS(Digital Image Stabilization)		ON / OFF	
FREEZE(Still Image)		ON / OFF	
NEGA(Negative Image)		ON / OFF	
E-CLIPSE(Highlight Inverse Image)		ON / OFF	
AGC(Auto Gain Control)		LOW / MIDDLE / HIGH / OFF	
Operating Temperature/Humidity		-20℃ ~60℃ /30% ~80%	
Storage Temperature/Humidity		-30℃ ~60℃ /20% ~90%	
Power(Max.)		DC12V, 90mA	

Design and specifications are subject to change without notice.