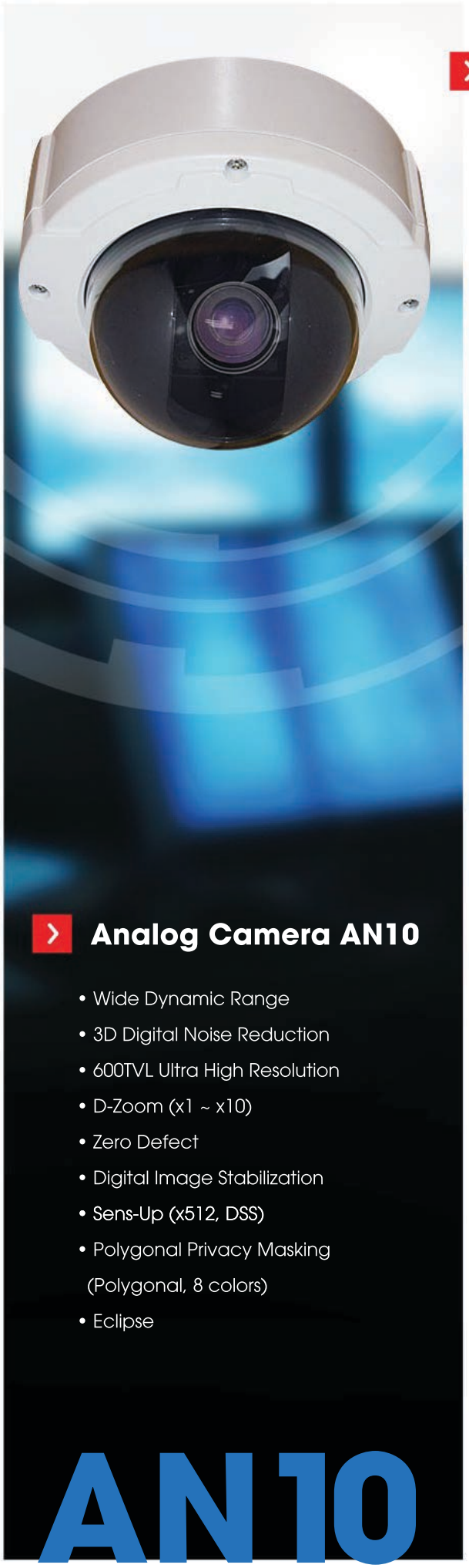

WDR Dome Camera

Analog Camera AN10

- Wide Dynamic Range
- 3D Digital Noise Reduction
- 600TVL Ultra High Resolution
- D-Zoom (x1 ~ x10)
- Zero Defect
- Digital Image Stabilization
- Sens-Up (x512, DSS)
- Polygonal Privacy Masking (Polygonal, 8 colors)
- Eclipse

AN10

Item		Specifications
CCD Type		Sony 1/3" SuperHAD II CCD
Scanning System		NTSC (2:1 Interlace)
Synchronization -	**Internal**	H/V 15.734/59.94Hz
	Line Lock	H/V 15.750/60Hz
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
S/N Ratio		>52dB (AGC Off)
Video Output		1.0Vp-p / 75Ω Video, 0.714Vp-p
Gamma Correction		0.45
Horizontal Resolution		600 TVL (Max.) / 700 TVL (B/W)
O.S.D		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, Title, Language, DPC, Filter
Electrical Shutter		1/60 – 1/100,000 sec
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
WDR		On / Off (WDR Level, Weight)
3D DNR		On / Off (Off, Low, Mid, High)
DIS		On / Off
Eclipse		On / Off
AGC		Low / Middle / High / Off
Lens		Aspherical 2.8mm – 12mm Auto Iris Lens
Operation Environment		Temperature: -20°C to +60°C Humidity: 30% - 80%
Storage Environment		Temperature: -30°C to +60°C Humidity: 20% - 90%
Power (Max.)		NTSC: DC12V, 110mA PAL: DC12V, 200mA / AC24V, 80mA
Dimensions (mm)		147.5 (Φ) x 110 (H)
Weight		Abt. 1230g

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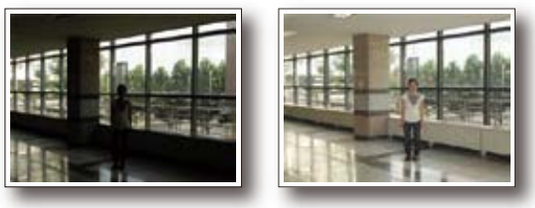
WDR(Wide Dynamic Range)

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 park 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)

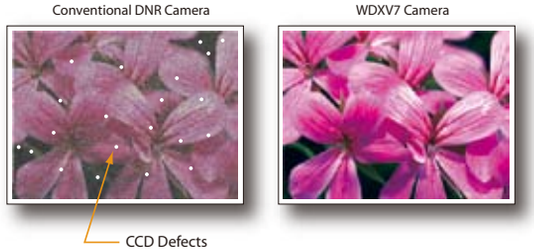
WDXV7 DSP technology achieves a 3D-DNR (3 Dimentional-Digital Noise Reduction) function very excellently by using upgraded 3D filtering and enables to keep this function automatically while operating the camera to provide the clear and superior images in very low light luminance. Normally video noise is increased at low light condition while the gain level of amplifier expends. 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 illuminance by using two methods of algorithm for the defect pixel compensation and performs the zero defect throughly.

Conventional DNR Camera WDXV7 Camera



Sens-Up(x512, DSS)

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.

Eclipse OFF Eclipse ON

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

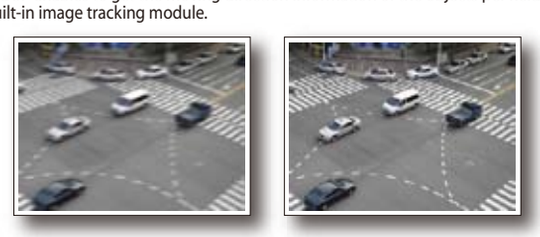
D-ZOOM(x1~x10)

WDXV7 DSP technology enables a various magnification and helps to get the enlarging video image very conveniently. WDXV7 DSP has 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)

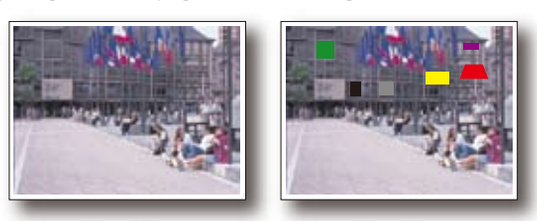
WDXV7 DSP delivers the digital image stabilization and the picture accuracy for anti-shaking compensaton against the exterior influence such as wind and vibration after installing camera and permits more stable images in video output.
WDXV7 DSP enables to get the moving direction information of the objects 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 monochorome automatically as under less than the specific level of the sensitivity.
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