

Wide Dynamic Range Brick Camera

- Wide Dynamic Range (Wdr)
- Razor Sharp 580 TV Line In Color
- Dual Voltage Auto Detect
- High-Light Compensation (HLC) Function



Lens not included

580 DAY TV LINE **600** NIGHT TV LINE

0.3 DAY LUX **0.00004** NIGHT LUX

WDR
WIDE DYNAMIC RANGE

DNR
DIGITAL NOISE REDUCTION

OSD
ON SCREEN DISPLAY

SENS-UP
COLOR IMAGE AT NIGHT
LOW LIGHT ENHANCEMENT

DUAL POWER

WHAT IS WDR?

Wide Dynamic Range (WDR) Technology uses two shutter speeds in alternative video fields, high and normal, and combines these two fields into one frame. It allows every detail to be captured accurately even if one portion is bright while other portions are dark. As a result, combined fields yield a frame of high quality images. Below is a comparison of camera technologies with its video images of Regular, Backlight Compensation (BLC), and Wide Dynamic Range.

ULTRA HIGH RESOLUTION

By adopting a double-speed 410,000 pixel Sony CCD, the camera produces clear picture quality with a horizontal resolution of 580 TV lines for color, and 600 TV lines for B/W.

EXCELLENT SENSITIVITY

Adopting a Diagonal 6mm (1/3") high sensitive CCD and digital signal processing technology, it can clearly distinguish the outline and color of a subject in an extremely low luminance environment-even, for example, under starlight. Since surveillance is possible in places where the light is poor, the camera is appropriate for day and night surveillance outdoors or on the outside of buildings.

- 0.001 Lux (Color Sens-up Mode)
- 0.00004 Lux (B/W Sens-up Mode)
- 3DDR (3D Digital Noise Reduction)

The high performance SV-IV DSP chip dramatically reduces the gain noise in digital image processing, producing clear, sharp images in low lighting environments.

DIS (DIGITAL IMAGE STABILIZER)

The DIS function compensates for any camera movement, to produce more stable pictures.

DAY & NIGHT

The camera identifies whether it is day or night and automatically switches to the appropriate mode, depending on its environment. By day, the camera switches to color mode in order to maintain optimal color. At night, it switches to B/W mode so as to obtain better picture definition

CO 594WDR WDR / 580 TVL / 12VDC/24VAC Dual Power / D&N

CO 594WDR	
Model	Wide Dynamic Range
Resolution	580 TV Lines
Sensor	1/3 inch SONY DS CCD
Total Pixels	811(H) x 508(V) 410K pixels (NTSC) 795(H) x 595(V) 470K pixels (PAL)
Effective Pixels	768(H) x 494(V) 380K pixels (NTSC) 752(H) x 582(V) 440K pixels (PAL)
Scanning System	2:1 Interlace
Synchronization	Internal / Line Lock
Frequency	Horizontal: 15.734KHz / Vertical: 59.94Hz (NTSC) Horizontal: 15.625KHz / Vertical: 50.00Hz (PAL)
S/N (Y signal)	More than 52 dB (AGC off, Weight ON)
Video Output	CVBS: 1.0Vp-p / 75ohm
Min. Illumination	0.3Lux at F1.2 (Color) / 0.00004Lux (Sens-up x256)
White Balance	ATW / AWC / Manual Outdoor (1,800°K~10,500°K) / Indoor (4,500°K~8,500°K)
Electronic shutter Speed	Auto / Manual (x256 ~ 1/60 sec ~ 1/120,000 sec NTSC) (x256 ~ 1/50 sec ~ 1/120,000 sec PAL) Sens-up and sens-up limit is selectable / Flickerless
Sens-Up	AUTO / Fixed / OFF (selectable limit x2 ~ x256)
O.S.D	Built-in
Backlight Compensation	WDR, BLC, Off Selectable
Gain Control	Low, High, Off Selectable
3DDNR (3D Digital Noise Reduction)	OFF / ON (1 ~ 32 Level Selectable)
Day & Night	COLOR / Black & White / Auto / EXT
SYNC	INT / LL Selectable
Motion Detection	ON / OFF (8 Zone, Alarm output)
PRIVACY	ON / OFF (8 Zone)
DIS (Digital Image Stabilizer)	ON / OFF
Digital Zoom	ON (x10) / OFF
MIRROR (H-REV)	ON / OFF
FLIP (V-REV)	ON / OFF
Blemish Compensation	256 point (Even 128 point, ODD 128 point)
Operating Temperature / Humidity	-10°C ~ +50°C / 30% ~ 80% RH
Storage Temperature / Humidity	-20°C ~ +60°C / 20% ~ 90% RH

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