

SAMSUNG

SAMSUNG DIGITall
everyone's invited™

Day & Night Color CCD Camera

SDN-520/510



Color Imaging in Daylight

Black & White Imaging at Night

Lighting conditions are no longer a consideration when installing a surveillance system. In low light, SDN-520/510 series converts the image from color to monochrome automatically with the function of ICR (Infrared Cutoff Filter Removable).

The IR cut filter is ON when the camera is operating as a color camera for precise color reproduction. And the filter is off for increasing light sensitivity in the B/W mode.

The features of the high sensitivity digital cameras are 520TV lines of 410,000 pixels, built-in 1/3 inch image format, backlight compensation, motion detection, On Screen Display (OSD), and automatic gain control.

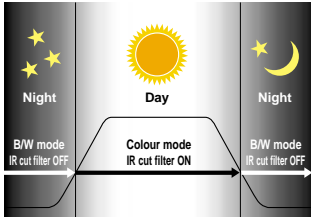
With the EXview chip set, the SDN-520 provides a perfect image at all times.

In addition, this series of cameras produces pictures with sufficient contrast to recognize an image perfectly in a condition of 0.01 Lux at F1.2 (B&W) and 0.5 Lux at F1.2 (Color).

(SDN-510 : Sony Solid State Image Device CCD, 0.03 Lux at F1.2(B&W), 0.5 Lux at F1.2 (Color))

www.samsungcctv.com

SDN-520/510



Users can select color from two modes;
 Auto1 - Under a normal light source
 (sunlight or fluorescent lamp)
 Auto2 - Under light source that have a wavel
 length range mostly above 800nm
 (incandescent lamp)

Features

- 1/3" IT Color CCD with 410,000 pixels (SDN-520:Exview CCD chip)
- High resolution more than 480 TV Lines (Color), 520 TV Lines (B/W)
- Built-in auto ICR (Infrared Cutfilter Removable)
- Minimum Illumination
 - SDN-520 : 0.01 Lux at F1.2 (B/W) , 0.5 Lux at F1.2 (Color)
 - SDN-510 : 0.03 Lux at F1.2 (B/W) , 0.5 Lux at F1.2 (Color)
- Selective Electronic Shutter Control (VIDEO/DC/ESC)
- Automatic Electronic Shutter
- BLC, Motion Detection, OSD function
- Remote Control Available (RS-232C)
- Both CS and C Type Lens Acceptable



SDN-520N/P

SDN-520PH

Specification

Model	SDN-520N	SDN-510N	SDN-520P	SDN-510P	SDN-520PH
Power Source	AC 24V ±10%, 60Hz / DC 12V ±10%		AC 24V ±10%, 50Hz / DC 12V ±10%		AC 230V ±10%, 50Hz
Power Consumption	3.8W (AC), 3.5W (DC)				4.0W
Synchronizing System	Internal / Line Lock Selectable				
Image Pick-up Device	1/3" SONY EX-View HAD IT CCD	1/3" Solid State Image Device CCD	1/3" SONY EX-View HAD IT CCD	1/3" Solid State Image Device CCD	1/3" SONY EX-View HAD IT CCD
Scanning System	2:1 Interlaced (NTSC Standard) 525 Lines/60 Fields/30 Frames		2:1 Interlaced (PAL Standard) 625 Lines/50 Fields/25 Frames		
Picture elements	811(H) X 508(V)		795(H) X 596(V)		
Effective picture elements	768(H) X 494(V)		752(H) x 582(V)		
Resolution	480 TV Lines Horizontally (Color) / 520 TV Lines Horizontally (B&W)				
Video Output	1.0V[p-p] Composite				
Back Light Compensation	ON / OFF Selectable				
Color	Auto1 / Auto2 / ON / OFF Selectable				
RS-232C Communication	Available				
O.S.D	Built-in				
Iris Mode	VIDEO IRIS/ DC IRIS / ESC Selectable				
Electronic shutter	1/60 ~ 1/10,000 sec		1/50 ~ 1/10,000 sec		
White Balance	ATW / AWC / MANUAL				
Lens Mount	CS mount (or C mount with the supplied adaptor)				
Motion Detector	Built-in				
Min. Illumination	0.5 Lux at F1.2 (COLOR) 0.01 Lux at F1.2 (B&W)	0.5 Lux at F1.2 (COLOR) 0.03 Lux at F1.2 (B&W)	0.5 Lux at F1.2 (COLOR) 0.01 Lux at F1.2 (B&W)	0.5 Lux at F1.2 (COLOR) 0.03 Lux at F1.2 (B&W)	0.5 Lux at F1.2 (COLOR) 0.01 Lux at F1.2 (B&W)
S/N Ratio	More than 48dB (AGC Off)				
Environmental conditions	Temperature: -10°C ~ +50°C Humidity : less than 90% (no condensation)				
Dimension	55(W) X 57(H) X 135(L) mm (Without Lens)				
Weight	Approx. 400g (Without lens & cable)				

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Design and specifications are subject to change without notice.

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