

LS900 series

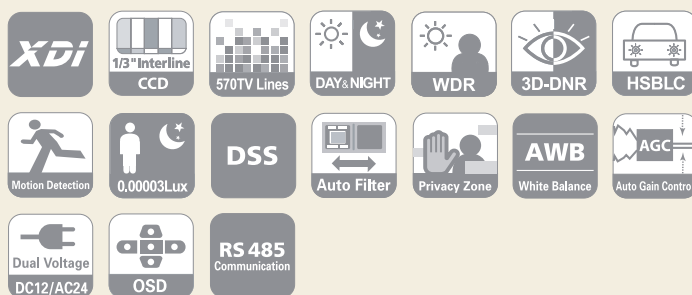


The first camera to use the XDI Chip.

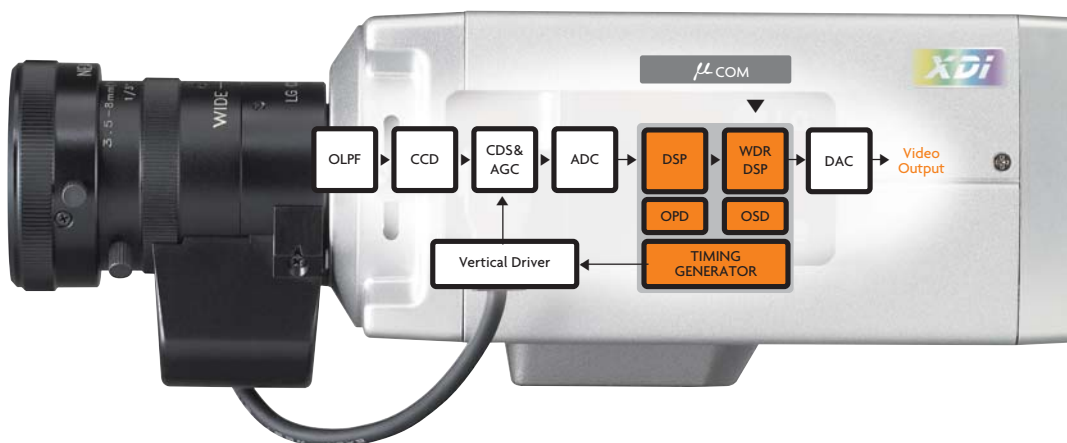
The LS900 series is by far the best surveillance solution adopting LG's new XDI chip.

With an impressive 570 TV Lines Color Resolution, 3D-DNR, low illumination of 0.00003 Lux, HSBLC, Advanced WDR, and many more features with top quality, the LS900 series is one of the best security solutions providing high quality image under any circumstances.

Also the self control Seamless AE Intelligent Solution will automatically set the camera to the proper settings when changes in environment occurs, freeing users from worries of having to manually control the camera.



Structure and component of the XDI Chip



570 TV Lines

XDI's unique Adaptive Resolution Unit allows 570 TV Lines of high-resolution image, and a clear image even in a low-light environments.

* 570 TV Lines in Color Mode * 700 TV Lines in B/W Mode



Advanced WDR

XDI's unique technology, Advanced Fast histogram equalizer/Adaptive LUT/Local Contrast enhancement, allows dark portions of a bright image to be shown clear, enhancing details in the WDR image and removing Noise.



Low luminance 0.00003 Lux

XDI's unique low luminance technology can detect a subject clearly under poor light level of 0.00003 Lux in B/W mode.



3D-DNR (3Dimension-Digital Noise Reduction)

XDI's unique 3D Adaptive Noise Reduction Filter effectively removes the Noise from the image signal, providing a more vivid and clear image. When using the AGC in low-lightings, clear image can be obtained by reducing Noise, and even in darker areas, brighter images can be obtained by using higher AGC.



HSBLC (Highlight Suppress Back Light Compensation)

XDI's unique Adaptive luminance Control AE will darken selected highlights and brighten dark portions. In the picture, the number on the car plate can be seen clearly.

* White Gray Black



Seamless AE Intelligent Control

XDI's unique DSS, 3D-DNR, AGC Control Mechanism will detect intruders even in lowest-illumination conditions, by maximizing the brightness of the image and the movement of the object while reducing Noise.



AWB (Auto White Balance)

XDI's unique Color Matrix Mechanism has a wide White Balance Range to adaptively cope with the change in color temperature from various source of lights. Effective in areas such as an inside of a tunnel or places where colors change periodically.

* 1700K - 11000K

Color Reproduction

XDI's unique Color Matrix Mechanism finds the optimum color matrix according to the change in color temperature, optimizing color selection in various lightings.

* Perfect Reproduction for 24 colors in Meebeth Chart

Motion Detection

LS900 Series can support intelligent motion detection function Up to 8 areas.

ICR D&N

LS900 series can provide ideal high quality image in both day and night by adopting ICR Day&Night function that notice change of illumination.

LS903P-B(PAL)/LS903N-B(NTSC)

Features

- 570 TV lines (700 TV Lines i n B/W Mode)
- 0.00003 Lux (At B/W Mode) Illumination
- Up to 60dB Wide Dynamic Range
- Digital Slow Shutter
- 3D- Digital Noise Reduction
- HSBLC (Highlight Suppress BLC)
- ICR Day & Night
- Motion Detection
- Private Zone Masking
- On Screen Display
- Sens Up
- RS485 Communication

Specifications

Model	LS903N-B	LS903P-B
Signal System	NTSC	PAL
Total/Effective Pixels No	410K / 380K	470K / 440K
Image Device	1/3" Interline Color CCD	
Lens	C/CS Mount (C mount using adaptor ring)	
Signal Process	LG XDI DSP	
Sync System	Internal / External (Line Lock)	
Scanning Frequency (H)	15.734KHz (NTSC)	15.625KHz (PAL)
Scanning Frequency (V)	59.94 Hz (NTSC)	50 Hz (PAL)
Horizontal Resolution	570 TV Lines (700TV Lines B/W)	
S/N Ratio	More Than 50dB (AGC Off)	
Minimum Illumination	Color : 0.0003 Lux(Sens-up Auto, F1.2) (0.1 Lux : Sens-up off) B/W : 0.00003 Lux(Sens-up Auto, F1.2) (0.01 Lux : Sens-up off)	
Video Output Signal	1Vp-p Composite (75Ω)	
Function	D&N	ICR D&N
	WDR	60dB
	Common	3D-DNR
	Gain Control	Off / Low / Medium / High
	Shutter Speed	1/60-1/90,000 (NTSC) / 1/50-1/90,000 (PAL)
	E. Sensitivity	Auto(x1 - x128) / Fix : x2, x4,.....x 512
	White Balance	Auto / Push auto / Manual
	M. Detection	4 Area
	P. Masking	8 Zone
	OSD Display	○
Digital Zoom	X8 (Built in Pan/Tilt)	
HSBLC	○	
Power Source	DC 12V / AC24V	
Power Consumption	4.4 W	
Operation Temp	-10 °C - 50 °C / 0%RH - 80%RH	
Storage Temp	-20 °C - 60 °C / 0%RH - 85%RH	
Weight	420 g	
Dimension (H x V x D)	68X 61.5 X 122mm	

Side & Rear View



Dimension (unit : mm)

