

LG ANALOG CAMERA

WHATEVER YOU DO, WHEREVER YOU ARE



| L5223/L5213/L5203 |



| L6223/L6213/L6203 |



| L322/L321/L320 |

LG's analog camera has been upgraded in order to adopt the new XDi chip technology. With this remarkable technology, LG analog cameras produce the best image quality, intelligent motion detection, and flexible surveillance to every security application.



LG

Life's Good

CAMERA TERMS & FEATURES

ANALOG CAMERA

LG Electronics offers complete security solutions for every type of business. LG's comprehensive line-up of security cameras feature superior image quality, and intelligent detection that can resolve a number of surveillance concerns. LG's high quality surveillance cameras are not an option anymore, but a necessity.



WDR (WIDE DYNAMIC RANGE)

WDR allows the dark portions of a bright image to be shown clearly, thus enhancing details and removing noise.



WDR Off

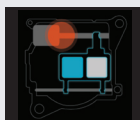


WDR On

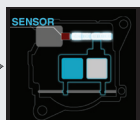


ICR DAY & NIGHT

The sensor newly attached to ICR Day & Night mechanism can find the location of the filter, resulting in a much more accurate and reliable Day & Night operation.



Conventional



LG

Improved durability



DIGITAL DAY & NIGHT

Color mode is set in daytime and automatically switches to black and white mode at night to monitor dark indoor space with optimal picture quality.



Day

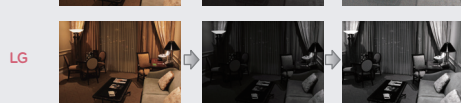


Night



SENS-UP

Sens-up refers to an image processing technology that allows the user to select a slow digital shutter speed to allow extra light to enter the camera, thereby providing higher sensitivity in low light conditions.



Day

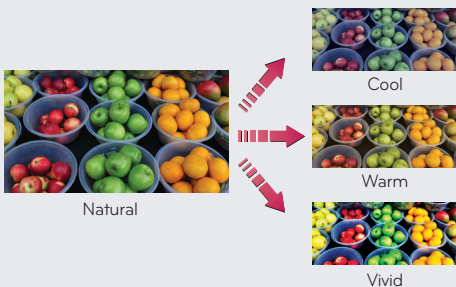
Night
(Sens-up Off)

Sens-up On



USER COLOR MODE

With various options for the screen color set up in advance, the user can choose a specific screen color that fits his or her taste.



Natural

Cool

Warm

Vivid



15 MULTI LANGUAGES AVAILABLE

ENG/CHN/KOR/JAP/FRE/
ITA/SPA/POR/DUT/GER/
POL/RUS/TUR/ARA/HEB



ALC-II

ALC-II allows for image clarity in high luminance scenes by simultaneously controlling shutter control and iris control to stabilize camera's aperture size.



ALC-II Off

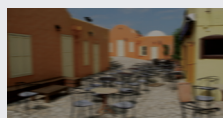


ALC-II On



HIGH RESOLUTION IMAGE QUALITY

TV Lines indicate the maximum number of identifiable changes that can be produced along a single scan line from an analog TV. LG's analog surveillance cameras display a resolution that is more than 620TV Lines, thanks to its XDI technology of the three-line filter and the new OLPF.



Conventional



620TVL



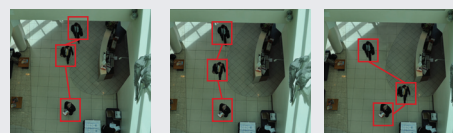
PRIVACY ZONE MASKING

By setting the privacy zones, it is possible to prevent the violation of one's privacy as you monitor the interior or exterior of a building.

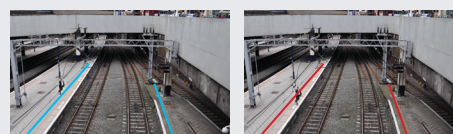


IMPROVED MOTION DETECTION FUNCTION

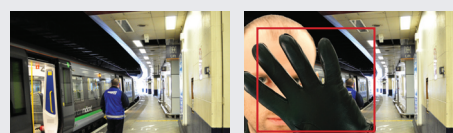
The three motion detection functions, Smart, Regional and Anti-Tampering MD, are designed to detect objects. Its sensitivity allows it to flexibly cope with various situations. The high-tech intelligent Anti-Tampering function can automatically detect and alarm changes made on the camera such as spray spewing, and other things that block the camera view.



Smart MD



Regional MD



Anti-Tampering MD

L322/L5223/L6223

Wide Dynamic Range Camera With
Outstanding Low Light Performance



| WDR ON |

XDi-S2

| FEATURES |

- 6.0mm (1/3Type) Super HAD II CCD
- 600 TV Lines
- Wide Dynamic Range
- Highlight Suppress BLC
- Sens-up (3D-DNR)
- Day & Night Function
- Motion Detection & Privacy Masking Zone
- On Screen Display
- User Color Mode
- Inner BNC Video port (L5223/L6223)
- Vandal Proof / IP66 (L6223)
- 3-Axis Dome Structure (L5223/L6223)

SPECIFICATION

Model		L322-BN	L322-BP	L5223-BN	L5223-BP	L6223-BN	L6223-BP
Video	Signal System	NTSC	PAL	NTSC	PAL	NTSC	PAL
	Total / Effective Pixels No.	410K / 380K	470K / 440K	410K / 380K	470K / 440K	410K / 380K	470K / 440K
	Imaging Sensor	6mm (1/3 Type) Super HAD II CCD		6mm (1/3 Type) Super HAD II CCD		6mm (1/3 Type) Super HAD II CCD	
	ISP	XDi-S2		XDi-S2		XDi-S2	
	Lens Type	C/CS Mount		2.8-11mm Vari-focal Lens, F1.2		2.8-11mm Vari-focal Lens, F1.2	
	Digital Zoom	x8		x8		x8	
	IRIS Control	DC / ELC		DC / ELC		DC / ELC	
	Sync. System	Internal		Internal		Internal	
	Scanning Frequency (H/V)	15.734 KHz / 59.94 Hz	15.625 KHz / 50 Hz	15.734 KHz / 59.94 Hz	15.625 KHz / 50 Hz	15.734 KHz / 59.94 Hz	15.625 KHz / 50 Hz
	Horizontal Resolution	600TV Lines		600TV Lines		600TV Lines	
	S/N Ratio	52dB		52dB		52dB	
	Minimum Illumination (30IRE)	Color : 0.1 Lux @ Sens-up Off, F1.2 B/W : 0.00003 Lux @ Sens-up Auto, F1.2		Color : 0.1 Lux @ Sens-up Off, F1.2 B/W : 0.00003 Lux @ Sens-up Auto, F1.2		Color : 0.1 Lux @ Sens-up Off, F1.2 B/W : 0.00003 Lux @ Sens-up Auto, F1.2	
	Video Output Signal	1Vp-p Composite (75Ω)		1Vp-p Composite (75Ω)		1Vp-p Composite (75Ω)	
Operational	Day & Night	ICR D&N (Day / Night / Auto)		ICR D&N (Day / Night / Auto)		ICR D&N (Day / Night / Auto)	
	Backlight Compensation	OFF / BLC / HSBLCL / WDR		OFF / BLC / HSBLCL / WDR		OFF / BLC / HSBLCL / WDR	
	DNR	3D-DNR(Off / Low / Middle / High)		3D-DNR(Off / Low / Middle / High)		3D-DNR(Off / Low / Middle / High)	
	Exposure	ALC / ELC / ALC2		ALC / ELC / ALC2		ALC / ELC / ALC2	
	User Color Modes	Standard / Cool / Warm / Vivid		Standard / Cool / Warm / Vivid		Standard / Cool / Warm / Vivid	
	Auto Gain Control	Off / Low / Middle / High		Off / Low / Middle / High		Off / Low / Middle / High	
	Electronic Shutter Speed	1/50 -1/100,000		1/50 -1/100,000		1/50 -1/100,000	
	Sens-up	Off/Auto (x2, x3, x4,...x 128)		Off/Auto (x2, x3, x4,...x 128)		Off/Auto (x2, x3, x4,...x 128)	
	White Balance	Auto / ATW / One Push / Manual (1,700 °K ~ 11,000 °K)		Auto / ATW / One Push / Manual (1,700 °K ~ 11,000 °K)		Auto / ATW / One Push / Manual (1,700 °K ~ 11,000 °K)	
	Motion Detection	4 Zones		4 Zones		4 Zones	
	Privacy Zone Masking	8 Masks		8 Masks		8 Masks	
	Stabilizer (EIS)	On / Off		On / Off		On / Off	
	Digital Effect	Off / V-Flip / Mirror / Rotate		Off / V-Flip / Mirror / Rotate		Off / V-Flip / Mirror / Rotate	
	Multi OSD Languages	15		15		15	
Power	Power Source	DC12V / AC24V		DC12V / AC24V		DC12V / AC24V	
	Power Consumption	4.4W		2.8W		2.8W	
Environmental	Operating Temperature / Humidity	-10 °C ~ 50 °C / 0%RH ~ 80%RH (Non-Condensing)		-10°C ~ 50°C / 0% ~ 80%RH (Non-Condensing)		-10°C ~ 50°C / 0% ~ 80%RH (Non-Condensing)	
	Storage Temperature / Humidity	-20 °C ~ 60 °C / 0%RH ~ 85%RH (Non-Condensing)		-20°C ~ 60°C / 0% ~ 85%RH (Non-Condensing)		-20°C ~ 60°C / 0% ~ 85%RH (Non-Condensing)	
Mechanical	Certifications	FCC, CE, UL		FCC, CE, UL		FCC, CE, UL	
	Ingress Protection	-		-		Vandal Proof / IP66	
	Dimension (H x V x D)	67.4 x 61.5 x 134 mm		ø 140 x 87.3 mm		ø 140 x 91.7 mm	
	Weight	415g		350g		640g	

| ICR Day & Night |

XDi-S2

| FEATURES |

- 6.0mm (1/3Type) Super HAD II CCD
- 620 TV Lines
- ICR Day & Night
- Highlight Suppress BLC
- Sens-up (3D-DNR)
- Motion Detection & Privacy Masking Zone
- On Screen Display
- User Color Mode
- 0 Lux IR LED 30pcs (L5213R/L6213R)
- IR LED Distance 30m (L5213R/L6213R)
- Vandal Proof / IP66 (L6213)
- 3-Axis Dome Structure (L5213/L6213)

SPECIFICATION

Model		L321-BN	L321-BP	L321-CP	L5213-BN	L5213-BP	L6213-BN	L6213-BP					
Video	Signal System	NTSC		PAL	NTSC		PAL	NTSC		PAL			
	Total / Effective Pixels No.	410K / 380K		470K / 440K	410K / 380K		470K / 440K	410K / 380K		470K / 440K			
	Imaging Sensor	6mm (1/3 Type) Super HAD II CCD			6mm (1/3 Type) Super HAD II CCD			6mm (1/3 Type) Super HAD II CCD					
	ISP	XDI-S2			XDI-S2			XDI-S2					
	Lens Type	C/CS Mount			2.8-11mm Vari-focal Lens, F1.4			2.8-11mm Vari-focal Lens, F1.4					
	Digital Zoom	x8			x8			x8					
	IRIS Control	DC			DC			DC					
	Sync. System	Internal			Internal			Internal					
	Scanning Frequency (H/V)	15.734 KHz / 59.94 Hz		15.625 KHz / 50 Hz		15.734 KHz / 59.94 Hz		15.625 KHz / 50 Hz		15.734 KHz / 59.94 Hz		15.625 KHz / 50 Hz	
	Horizontal Resolution	620TV Lines			620TV Lines			620TV Lines					
S/N Ratio	52dB			52dB			52dB						
Minimum Illumination (30IRE)	Color : 0.05 Lux @ Sens-up Off, F1.2				Color : 0.06 Lux @ Sens-up Off, F1.4			Color : 0.06 Lux @ Sens-up Off, F1.4					
	0.0001 Lux @ Sens-up x128, F1.2				0.0001 Lux @ Sens-up x128, F1.4			0.0001 Lux @ Sens-up x128, F1.4					
	B/W : 0.005 Lux @ Sens-up Off, F1.2				B/W : 0.0006 Lux @ Sens-up Off, F1.4			B/W : 0.0006 Lux @ Sens-up Off, F1.4					
	0.000001 Lux @ Sens-up x128, F1.2				0.000001 Lux @ Sens-up x128, F1.4			0.000001 Lux @ Sens-up x128, F1.4					
	Video Output Signal	1Vp-p Composite (75Ω)			1Vp-p Composite (75Ω)			1Vp-p Composite (75Ω)					
Operational	Day & Night	ICR D&N (Day / Night / Auto)			ICR D&N (Day / Night / Auto)			ICR D&N (Day / Night / Auto)					
	Backlight Compensation	OFF / BLC / HSBLC			OFF / BLC / HSBLC			OFF / BLC / HSBLC					
	DNR	3D-DNR (Off / Low / Middle / High)			3D-DNR(Off / Low / Middle / High)			3D-DNR(Off / Low / Middle / High)					
	Exposure	ALC / ELC			ALC / ELC			ALC / ELC					
	User Color Modes	Standard / Cool / Warm / Vivid			Standard / Cool / Warm / Vivid			Standard / Cool / Warm / Vivid					
	Auto Gain Control	Off / Low / Middle / High			Off / Low / Middle / High			Off / Low / Middle / High					
	Electronic Shutter Speed	1/60 ~ 1/90,000		1/50 ~ 1/90,000	1/60 ~1/90,000		1/50 ~1/90,000	1/60 ~1/90,000		1/50 ~1/90,000			
	Sens-up	Off/Auto (x2, x3, x4,...x 128)			Off/Auto (x2, x3, x4,...x 128)			Off/Auto (x2, x3, x4,...x 128)					
	White Balance	ATW / AWC → Push / Manual (1,700 °K ~ 11,000 °K)			ATW / AWC → Push / Manual (1,700 °K ~ 11,000 °K)			ATW / AWC → Push / Manual (1,700 °K ~ 11,000 °K)					
	Motion Detection	4 Zones			4 Zones			4 Zones					
	Privacy Zone Masking	8 Masks			8 Masks			8 Masks					
	Stabilizer (EIS)	On / Off			On / Off			On / Off					
	Digital Effect	Off / V-Flip / Mirror / Rotate			Off / V-Flip / Mirror / Rotate			Off / V-Flip / Mirror / Rotate					
	Multi OSD Languages	15			15			15					
	Power	Power Source	DC 12V / AC 24V		AC 230V	DC12V / AC24V		DC12V / AC24V					
Power Consumption		4.4 W			2.8W			2.8W					
Environmental	Operating Temperature / Humidity	-10℃ ~ 50℃ / 0% ~ 80%RH (Non-Condensing)			-10℃ ~ 50℃ / 0% ~ 80%RH (Non-Condensing)			-10℃ ~ 50℃ / 0% ~ 80%RH (Non-Condensing)					
	Storage Temperature / Humidity	-20℃ ~ 60℃ / 0% ~ 85%RH (Non-Condensing)			-20℃ ~ 60℃ / 0% ~ 85%RH (Non-Condensing)			-20℃ ~ 60℃ / 0% ~ 85%RH (Non-Condensing)					
	Certifications	FCC, CE, UL			FCC, CE, UL			FCC, CE, UL					
Mechanical	Ingress Protection	-			-			Vandal Proof / IP66					
	Dimension (H x V x D)	67.4 x 61.5 x 134 mm			ø 140 x 87.3 mm			ø 140 x 91.7 mm					
	Weight	376g			350g			640g					

L320/L5203/L6203

620 TV Lines High Resolution Camera



| Digital Day & Night |

XDi-S2

| FEATURES |

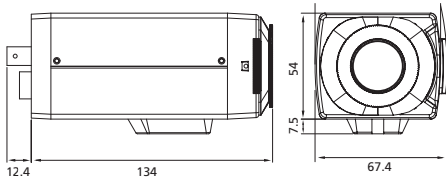
- 6.0mm (1/3Type) Super HAD II CCD
- 620 TV Lines
- Min. illumination: 0.0001 Lux @ Sens-up Auto, F1.2
- Highlight Suppress BLC
- Sens-up (3D-DNR)
- Day & Night Function
- Motion Detection & Privacy Masking Zone
- On Screen Display
- User Color Mode
- Inner BNC Video port (L5203/L6203)
- Vandal Proof / IP66 (L6203)
- 3-Axis Dome Structure (L5203/L6203)

SPECIFICATION

Model		L320-BN	L320-BP	L320-CP	L5203-BN	L5203-BP	L6203-BN	L6203-BP				
Video	Signal System	NTSC	PAL		NTSC	PAL	NTSC	PAL				
	Total / Effective Pixels No.	410K / 380K	470K / 440K		410K / 380K	470K / 440K	410K / 380K	470K / 440K				
	Imaging Sensor	6mm (1/3 Type) Super HAD II CCD				6mm (1/3 Type) Super HAD II CCD						
	ISP	XDI-S2				XDI-S2						
	Lens Type	C/CS Mount				2.8-11mm Vari-focal Lens, F1.2						
	Digital Zoom	x8				x8						
	IRIS Control	DC				DC						
	Sync. System	Internal				Internal						
	Scanning Frequency (H/V)	15.734 KHz / 59.94 Hz	15.625 KHz / 50 Hz		15.734 KHz / 59.94 Hz	15.625 KHz / 50 Hz	15.734 KHz / 59.94 Hz	15.625 KHz / 50 Hz				
	Horizontal Resolution	620TV Lines				620TV Lines						
S/N Ratio	52dB				52dB							
Minimum Illumination (30IRE)	Color : 0.06 Lux @ Sens-up Off, F1.2 0.0001 Lux @ Sens-up x128, F1.2 B/W : 0.03 Lux @ Sens-up Off, F1.2 0.000001 Lux @ Sens-up x128, F1.2				Color : 0.06 Lux @ Sens-up Off, F1.2 B/W : 0.0001 Lux @ Sens-up Auto, F1.2				Color : 0.06 Lux @ Sens-up Off, F1.2 B/W : 0.0001 Lux @ Sens-up Auto, F1.2			
	Video Output Signal	1Vp-p Composite (75Ω)				1Vp-p Composite (75Ω)						
Operational	Day & Night	Digital D&N (Day / Night / Auto)				Digital D&N (Day / Night / Auto)						
	Backlight Compensation	OFF / BLC / HSBLC				OFF / BLC / HSBLC						
	DNR	3D-DNR (Off / Low / Middle / High)				3D-DNR(Off / Low / Middle / High)						
	Exposure	ALC / ELC				ALC / ELC / ALC2						
	User Color Modes	Standard / Cool / Warm / Vivid				Standard / Cool / Warm / Vivid						
	Auto Gain Control	Off / Low / Middle / High				Off / Low / Middle / High						
	Electronic Shutter Speed	1/60 ~ 1/90,000	1/50 ~ 1/90,000		1/50 ~1/100,000	1/50 ~1/100,000	1/50 ~1/100,000	1/50 ~1/100,000				
	Sens-up	Off/Auto (x2, x3, x4.....x 128)				Off/Auto (x2, x3, x4.....x 128)						
	White Balance	ATW / AWC → Push / Manual (1,700 °K ~ 11,000 °K)				ATW / AWC → Push / Manual (1,700 °K ~ 11,000 °K)						
		Motion Detection	4 Zones				4 Zones					
	Privacy Zone Masking	8 Masks				8 Masks						
	Stabilizer (EIS)	On / Off				On / Off						
	Digital Effect	Off / V-Flip / Mirror / Rotate				Off / V-Flip / Mirror / Rotate						
	Multi OSD Languages	15				15						
Power	Power Source	DC 12V / AC 24V		AC 230V	DC12V / AC24V		DC12V / AC24V					
	Power Consumption	2.9 W		4.4 W	2.8W		2.8W					
Environmental	Operating Temperature / Humidity	-10°C ~ 50°C / 0% ~ 80%RH (Non-Condensing)				-10°C ~ 50°C / 0% ~ 80%RH (Non-Condensing)						
	Storage Temperature / Humidity	-20°C ~ 60°C / 0% ~ 85%RH (Non-Condensing)				-20°C ~ 60°C / 0% ~ 85%RH (Non-Condensing)						
	Certifications	FCC, CE, UL				FCC, CE, UL						
Mechanical	Ingress Protection	-				Vandal Proof / IP66						
	Dimension (H x V x D)	67.4 x 61.5 x 135.4 mm				ø 140 x 87.3 mm						
	Weight	321g				350g						
						640g						

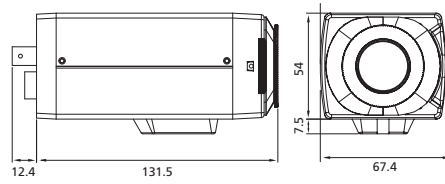
| DIMENSION (Unit : mm) |

| L322 |



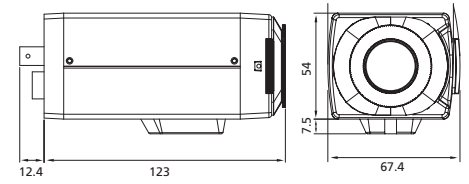
* Color : Silver Only

| L321 |



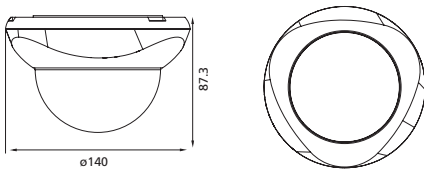
* Color : Silver Only

| L320 |



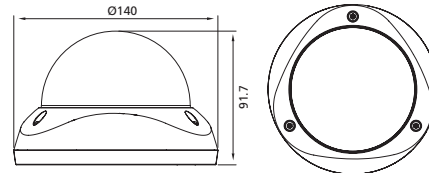
* Color : Silver Only

| L5223/L5213/L5203 |



* Color : White Only

| L6223/L6213/L6203 |



* Color : White Only

* Exact products and specifications shown may vary by geographic region and are subject to change without notice. Actual products may differ from the images appearing in the catalog.



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The eco-friendly label is attached to those products which have passed LG Electronics' rigorous environmental criteria that evaluate 6 hazardous materials (lead, mercury, cadmium, etc.)