LG MEGAPIXEL IP CAMERA

DELIVERS SUPERIOR RESOLUTION

LG ipsolute

LG
Life's Good

LG Ipsolute

1.3 Megapixel HD IP Dome Camera

| IP BOX CAMERA |
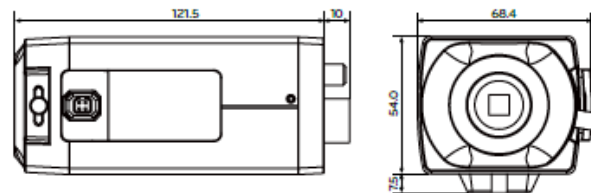
LNB5100
LNB3100

Features

- 6.08 mm (1/3 Type) CMOS
- CS Mountable
- 30 fps @ 1280 x 1024, 720p(HD)
- Min. Illumination
  - Color : 0.3 Lux @ F1.2
  - B/W : 0.005 Lux @ F1.2 (LNB5100)
          0.3 Lux @ F1.2 (LNB3100)
- H.264 (High profile supported) / MJPEG
- 80dB of Wide Dynamic Range
- ICR Day & Night (LNB5100)
- 2D+3D DNR
- Dynamic Profile (Up to 7)
- Region Of Interest Streaming
- Video Analytics Embedded (LNB5100)
  (Intelligent Motion Detection, Trip Zone, Object
  Counting, Streaming Metadata)
- LG Ipsolute VMS, Mobile App
- Micro SD Slot
- PoE / DC12V

Rear View

<LNB5100>

<LNB3100>

Dimension (Unit : mm)

Model		LNB5100	LNB3100
Camera	Image Sensor	6.08 mm (1/3 Type) CMOS	
	Mount Type	CS Mountable	
	Resolution	Up to 1280 x 1024	
	Min. Illumination	Color : 0.3 Lux @ F1.2	Color : 0.3 Lux @ F1.2
		B/W : 0.005 Lux @ F1.2	B/W : 0.3 Lux @ F1.2
	Day / Night	ICR (Auto / Day / Night)	Digital (Auto / Day / Night)
	WDR	80 dB	
	Image Enhancement	Backlight Compensation / 2D+3D-DNR / Exposure Control / Sens-up Control / AGC / White Balance / Privacy Masking / EIS / Sharpness / Digital Zoom / Scene mode	Backlight Compensation / 2D+3D-DNR / Exposure Control / Sens-up Control / AGC / White Balance / Privacy Masking / EIS / Sharpness / Digital Zoom
Video/Audio	Video Compression	H.264 (High Profile Supported) / MJPEG	
	Frame Rate	30 fps @ 1280 x 1024, 30fps @ 720p(HD)	
	Multi-Streaming	Dynamic Profile (Up to 7)	
	ROI Streaming	Yes	
	Open Protocol	ONVIF 1.02, PSIA 1.1	
	Audio Compression	G.711, G.726	-
	2-Way Audio	Yes	-
Event	Motion Detection	Yes	
	Event Notification	Relay Out / Email / FTP	Email / FTP
	Pre Event Buffering	5 / 5 Seconds	
	Video Analytics Embedded	Intelligent Motion Detection, Trip Zone, Object Counting, Streaming Metadata	-
Interface	Video In/Out	1 RCA Out	
	Audio In/Out	1 In / 1 Out	-
	Alarm In/Out	1 In / 1 Out	-
	SD Slot	Micro SD	
Network	Ethernet	RJ-45 10/100 BASE-T	
	Security	Password Protection, HTTPS (SSL, TLS)	
	Protocol	IPv4/6 - TCP/IP, UDP, HTTP, HTTPS, RTP, RTSP, DHCP, ICMP IPv4 - FTP, SMTP, NTP, ARP, SNMP v1/v2c/v3, DDNS (LG)	
	Web Viewer	Microsoft Internet Explorer 7.0 or above	
	Video Management Software	LG Ipsolute VMS, Mobile Application	
	Connections	Up to 10	
General	Power Source	PoE / DC12V	
	Power Consumption	5.9 W	
	Operating Temperature / Humidity	-10°C ~ 50°C / 0% ~ 80%RH	
	Standard Approvals	UL, FCC, CE, KCC, Gongan	
	Color / Material	Black & Silver / Aluminum	
	Dimension (W x H x D) mm	68.4 x 61.5 x 131.5	
	Weight	365 g	357 g

• 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.
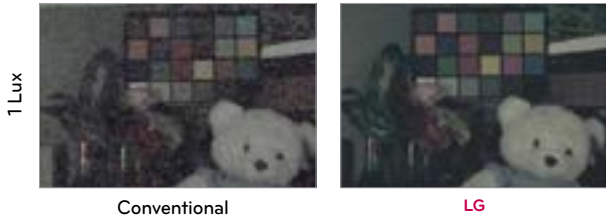
IP CAMERA TERMS & FEATURES

LG ipsolute

LG Ipsolute refers to the route that provides solutions alongside IP products as the integrated brand of LG security network products. LG Ipsolute IP camera and server can easily connect to the Internet, use diverse compression methods, and transmit HD images at low beat ratio without loss. In addition, the network security system is implemented by the basic web viewer, mobile applications, and video management suite enabling remote control and monitoring.
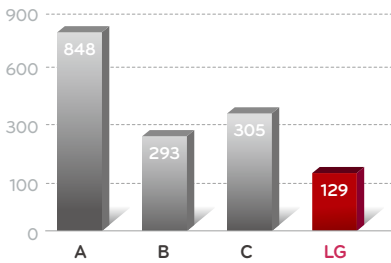

LOW ILLUMINATION

Low luminance noise is excellent with XDI-II

1 Lux

Conventional   LG

LOW LATENCY

Possesses excellent network performance with almost no latency, compared to the other products

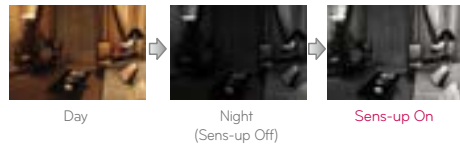|			
848	293	305	129
A	B	C	LG

SD SLOT

we provide SD SLOT for video buffering and backup event video separately. (SD Memory chip is not included)

SENS-UP / EIS / 3D-DNR

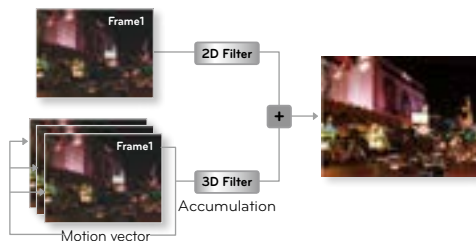XDI-II can process Full HD superior images and apply WDR, Sens-up, EIS, and 3D-DNR functions.

| SENS-UP |

Day   Night (Sens-up Off)   Sens-up On

| EIS |

Standard   Electronic Image Stabilization

| 2D+3D-DNR |

Frame1 → 2D Filter
Frame1 → 3D Filter → Accumulation
Motion vector

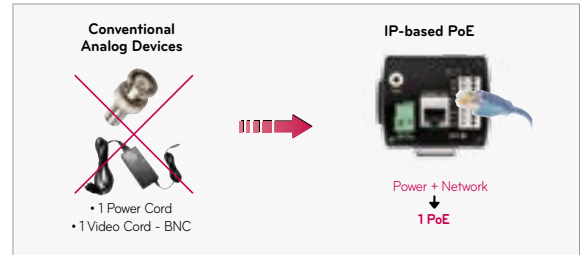
LOW INSTALLATION COST WITH PoE

Power over Ethernet (PoE) refers to a technology that allows IP devices to receive power over existing LAN cablings. PoE does not need any separate power installation connection and thus simplifies installation. The technology is space-saving and allows devices to receive power and data over existing infrastructures, without needing to upgrade them.

Conventional Analog Devices
- 1 Power Cord
- 1 Video Cord - BNC

IP-based PoE
Power + Network
1 PoE

80DB WDR

XDI-II offers 80dB of Dynamic Range and creates nearly no noise, enabling users to better see objects even with backlight.

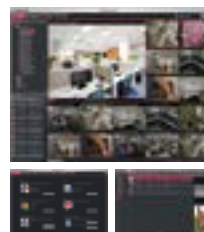|	LG		Other Camera	
WDR	off	on	off	on
Detected zones<0.98	23	40	22	34.8
DR (f-stops)	7.83	13.3	7.37	11.6
DR (dB)	47.1366	80.066	44.3674	69.832

WDR OFF

WDR ON

Conventional   LG

LG IPSOLUTE VMS / MOBILE APPLICATION

The LG Video Management System is an IP-Surveillance software that works with the LG Video Server and LG IP cameras to provide video monitoring, recording setting and event management functions.

VMS   Mobile Application