

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



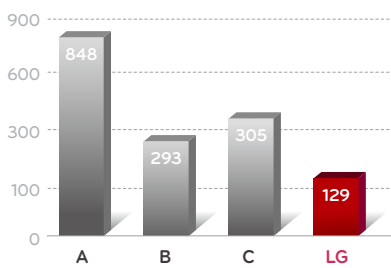
Conventional

LG



LOW LATENCY

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



SD SLOT

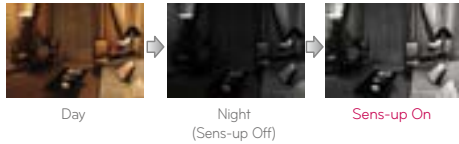
we provide SD SLOT for video buffering and backup event video separately. (SD Memory chip is not included)



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)

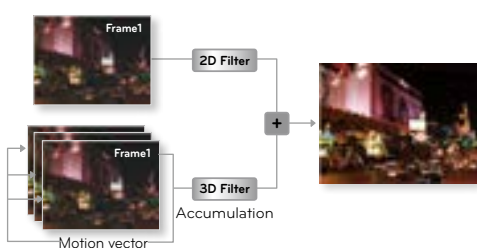
Sens-up On

| EIS |



Electronic Image
Stabilization

| 2D+3D-DNR |



LOW INSTALLATION COST WITH PoE

Power over Ethernet (PoE) refers to a technology that allows IP devices to receive power over existing LAN cabling. 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.



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

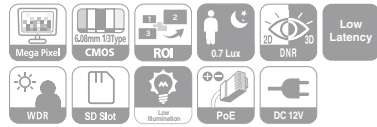


Mobile Application

LG ipsolute

| IP DOME CAMERA |

LND3100



1.3 Megapixel HD IP Dome Camera



ONVIF PSIA

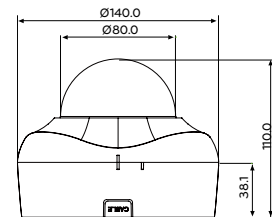
Features

- 6.08 mm (1/3 type) CMOS
- 3 mm F2.0
- 30 fps @ 1280 x 1024, 720p(HD)
- Min. Illumination
 - Color : 0.7 Lux @ F2.0
 - B/W : 0.7 Lux @ F2.0
- H.264 (High Profile Supported) / MJPEG
- 80dB of Wide Dynamic Range
- 2D+3D DNR
- Digital Day & Night
- Dynamic Profile (Up to 7)
- Region Of Interest Streaming
- LG Ipsolute VMS, Mobile App
- Micro SD Slot
- PoE / DC12V

Rear View (World Wide Type)



Dimension (Unit : mm)



Model	LND3100
Camera	Image Sensor: 6.08mm (1/3 Type) CMOS Lens: 3mm F2.0 Resolution: Up to 1280 x 1024 Min. Illumination: Color : 0.7 Lux @ F2.0 B/W : 0.7 Lux @ F2.0 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
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
Event	Motion Detection: Yes Event Notification: Email, FTP Pre/Post Event Buffering: 5 / 5 Seconds
Interface	Video In / Out: 1 RCA 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: White / Plastic Ingress Protection: - Dome Cover: Clear type 3-Axis: Yes Dimension (Ø x H) mm: 140 x 110 Weight: 506 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.

SECURITY OVERSEAS MARKETING TEAM

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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.)

LG Life's Good

LG Life's Good

LG ipsolute

LG MEGAPIXEL IP CAMERA

DELIVERS SUPERIOR RESOLUTION



MEGAPIXEL IP CAMERA TECHNOLOGY

Based on the XDI-II ISP technology, LG provides HD image of excellent quality. Also Sens-up, EIS, 3D-DNR and WDR functions compensate the HD progressive images in order to be much more suitable in any monitoring situation.



MEGAPIXEL SUPER RESOLUTION

LG IP camera provides better surveillance, thanks to its higher resolution image quality. The XDI-II ISP is engineered to complement the IP in image quality through megapixel technology.



REGION OF INTEREST STREAMING

Users can compose profile streaming region of interest. Users who are interested in specific region can use bandwidth efficiently



LG ipsolute

| IP BOX CAMERA |

LNB5100
LNB3100

1.3 Megapixel HD IP Dome Camera



ONVIF PSIA

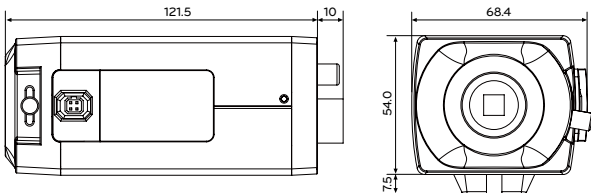
Features

- 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



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 B/W : 0.005 Lux @ F1.2
	Day / Night	ICR (Auto / Day / Night)
	WDR	80 dB
Video/Audio	Image Enhancement	Backlight Compensation / 2D+3D-DNR / Exposure Control / Sens-up Control / AGC / White Balance / Privacy Masking / EIS / Sharpness / Digital Zoom / Scene mode
	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
Event	Audio Compression	G.711, G.726
	2-Way Audio	Yes
	Motion Detection	Yes
	Event Notification	Relay Out / 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	-
	Ethernet	RJ-45 10/100 BASE-T
Network	Security	Password Protection, HTTPS (SSL, TLS)
	Protocol	IPV4/6 - TCP/IP, UDP, HTTP, HTTPS, RTP, RTSP, DHCP, ICMP
	Web Viewer	IPV4 - FTP, SMTP, NTP, ARP, SNMP v1/v2c/v3, DDNS (LG)
	Video Management Software	Microsoft Internet Explorer 7.0 or above
	Connections	LG Ipsolute VMS, Mobile Application
	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

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| IP DOME CAMERA |

LNV5100
LND5100

1.3 Megapixel HD IP Dome Camera



ONVIF PSIA

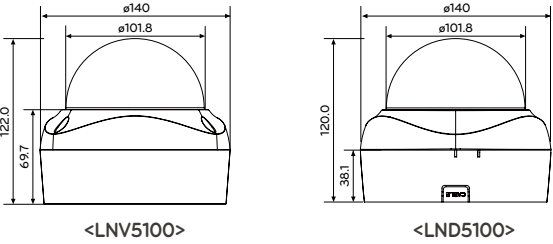
FEATURES

- 6.08 mm (1/3 type) CMOS
- 2.8 ~ 10 mm F1.2
- 30 fps @ 1280 x 1024, 720p(HD)
- Min. Illumination
 - Color : 0.3 Lux @ F1.2
 - B/W : 0.005 Lux @ F1.2
- H.264 (High profile supported) / MJPEG
- 80 dB of Wide Dynamic Range
- ICR Day & Night
- 2D+3D DNR
- Dynamic Profile (Up to 7)
- Region Of Interest Streaming
- Video Analytics Embedded
(Intelligent Motion Detection, Trip Zone, Object Counting, Streaming Metadata)
- LG Ipsolute VMS, Mobile App
- Micro SD Slot
- Vandal Proof / IP66 (LNV5100)
- PoE / DC12V

Rear View (World Wide Type)



Dimension (Unit : mm)



Model	LNV5100	LND5100
Camera	Image Sensor	6.08 mm (1/3 Type) CMOS
	Lens	2.8-10 mm F1.2
	Resolution	Up to 1280 x 1024
	Min. Illumination	Color : 0.3 Lux @ F1.2 B/W : 0.005 Lux @ F1.2
	Day / Night	ICR (Auto / Day / Night)
	WDR	80 dB
Video/Audio	Image Enhancement	Backlight Compensation / 2D+3D-DNR / Exposure Control / Sens-up Control / AGC / White Balance / Privacy Masking / EIS / Sharpness / Digital Zoom / Scene mode
	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
Event	Audio Compression	G.711, G.726
	Two-way Audio	Yes
	Motion Detection	Yes
	Event Notification	Relay Out, Email, FTP
	Pre/Post Event Buffering	5 / 5 Seconds
	Video Analytics	Intelligent Motion Detection, Trip Zone, Object Counting, Streaming Metadata
Interface	Video In / Out	1 RCA Out
	Audio In / Out Alarm In / Out	1 In / 1 Out 1 In / 1 Out
	SD Slot	-
	Micro SD	-
	Ethernet	RJ-45 10/100 BASE-T
	Security	Password Protection, HTTPS (SSL, TLS)
Network	Protocol	IPV4/6 - TCP/IP, UDP, HTTP, HTTPS, RTP, RTSP, DHCP, ICMP
	Web Viewer	Microsoft Internet Explorer 7.0 or above
	Video Management Software	LG Ipsolute VMS, Mobile Application
	Connections	Up to 10
	Power Source	PoE / DC12V
	Power Consumption	5.9 W
General	Operating Temperature / Humidity	-10°C ~ 50°C / 0% ~ 80%RH
	Standard Approvals	UL, FCC, CE, KCC, Gongan
	Color / Material	White / Aluminum
	Ingress Protection	Vandal proof, IP66
	Dome Cover	Clear Type
	3-Axis	Yes
	Dimension (Ø x H) mm	140 x 120
	Weight	964 g

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