



LG

Life's Good

OWNER'S MANUAL

IR Dome Camera

Please read this manual carefully before operating your set and retain it for future reference.

MODEL
LCD5300R-BN
LCD5300R-BP



Important Safety Instructions

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1. Read these instructions.

2. Keep these instructions.

3. Heed all warnings.

4. Follow all instructions.

5. Do not use this apparatus near water.

6. Clean only with dry cloth.

7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11. Only use attachments/accessories specified by the manufacturer.

12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



13. Unplug this apparatus during lightning storms or when unused for long periods of time.

14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
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CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK
DO NOT REMOVE COVER (OR BACK)
NO USER-SERVICEABLE PARTS INSIDE
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.
- FCC WARNING:** This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.
- REGULATORY INFORMATION: FCC Part 15
- This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.
- Power Supply
- This camera must always be operated a DC 12 V or AC 24 V Certified/Listed, class 2 power supply only.
- Handling of the unit
- Be careful not to spill water or other liquids on the unit. Be cautions not to get combustible or metallic material inside the body. If used with foreign matter inside, the camera is liable to fail or to get cause of fire or electric shock.
- Remove dust or dirt on the surface of the lens with a blower.

• Use a dry soft cloth to clean the body. If it is very dirty, use a cloth dampened with a small quantity of neutral detergent then wipe dry.

• Avoid the use of volatile solvents such as thinners, alcohol, benzene and insecticides. They may damage the surface finish and/or impair the operation of the camera. They may damage the surface finish and/or impair the operation of the camera.
- Operating and storage location
- Avoid viewing a very bright object (such as light fittings) during an extended period. Avoid operating or storing the unit in the following locations.
- Extremely hot or cold places (operating temperature -10 °C to 50 °C, however, we recommend that the unit be used within a temperature range of 0 °C to 45 °C)

• Damp or dust place

• Places exposed to rain

• Places subject to strong vibration

• Close to generators of powerful electromagnetic radiation such as radio or TV transmitters.
- A suitable conduit entries, knock-outs or glands shall be provided in the cable entries of this product in the end user.

• Caution: Danger of explosion if battery is incorrectly replaced. Replaced only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

• Holes in metal, through which insulated wires pass, shall have smooth well rounded surfaces or shall be provided with brushings.
- This Class A digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

Warning: Do not install this equipment in a confined space such as a bookcase or similar unit.

Warning: Wiring methods shall be in accordance with the National Electric Code, ANSI/NFPA 70.

Warning: This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Warning: To reduce a risk of fire or electric shock, do not expose this product to rain or moisture.

Caution: This installation should be made by a qualified service person and should conform to all local codes.

Caution: To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

Caution: The apparatus shall not be exposed to water (dripping or splashing) and no objects filled with liquids, such as vases, shall be placed on the apparatus.

Note:
Please make sure the product is installed appropriate places where secured from flood, such as under the eaves, to operate properly. This product is certified as IP66 standard. However, if there is any flood concerns, it is highly recommended to use an outdoor Housing When you install the camera inside an outdoor Housing, please use one of the following methods:

1. Remove the front glass of Housing before installing the camera.

2. To keep the front glass of Housing, remove the front cover, and then put the camera close to the front glass.

To disconnect power from mains, pull out the mains cord plug. When installing the product, ensure that the plug is easily accessible.

Specification

Item		LCD5300R-BN	LCD5300R-BP
Signal System		NTSC	PAL
Image Device		6 mm (1/3 Type) Exview HAD CCD II	
Total/Effective Pixels Number		520 000 Pixels / 480 000 Pixels	610 000 Pixels / 570 000 Pixels
Horizontal Resolution		650 TV Lines (Color), 700 TV Lines (B/W)	
ISP		XDI-V	
Lens		2.8 mm to 11 mm Vari-focal Lens, F1.2	
Minimum Illumination (30 IRE)	Color	0.03 lx (Sens-up Off, F1.2), 0.000 3 lx (Sens-up Auto, F1.2), 0.000 1 lx (Sens-up x512, F1.2)	
	B/W	0 lx (IR LED ON)	
Day & Night		ICR (AUTO / DAY / NIGHT)	
IRIS Control		DC	
Sync. System		Internal / Line Lock	
Scanning Frequency (H/V)		15.734 KHz / 59.94 Hz	15.625 KHz / 50 Hz
S/N Ratio		50 dB	
Video Output Signal		1 Vp-p Composite (75 Ω)	
IR LED		8 EA	
IR Distance		20 m	
SmartIR		IR Anti-Saturation	
BACKLIGHT		BLC / HSBLCL / OFF	
DNR		2D + 3D-DNR	



LG Electronics hereby declares that this/these product(s) is/are in compliance with the essential requirements and other relevant provisions of Directive 2004/108/EC, 2006/95/EC, and 2009/125/EC.

European Standards Centre:
Krijgsman 1, 1186 DM Amstelveen The Netherlands

Disposal of your old appliance



1. When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC.

2. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.

3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.

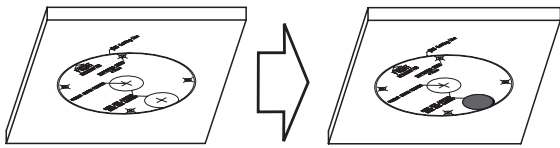
4. For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.

이 기기는 업무용(A급) 전자파적합기기로서 판매자 또는 사용자는 이 점을 주의하시기 바라며, 가정외의 지역에서 사용하는 것을 목적으로 합니다.

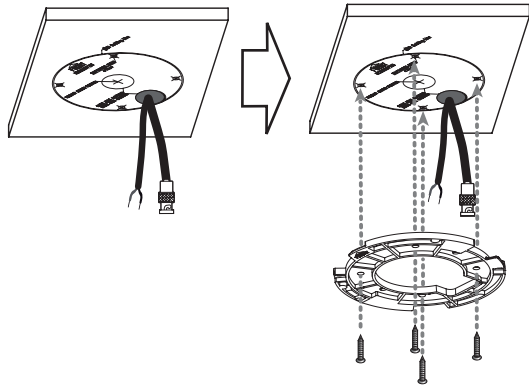
Item	LCD5300R-BN	LCD5300R-BP
Exposure	ALC /ELC	
Auto Gain Control	OFF/ LOW/ MIDDLE/ HIGH	
Electronic Shutter Speed	1/60 to 1/120 000	1/50 to 1/120 000
Digital Zoom	x16	
Sens-up	OFF / AUTO(x2, ... x512)	
White Balance	AUTO / ATW / ONE PUSH / MANUAL	
Privacy Zone Masking	14 Masks	
Motion Detection	8 Zones	
Digital Effect	OFF / V-FILP / MIRROR / ROTATE	
Communication	Coaxial Communication	
Power Source	DC 12 V / AC 24 V	
Power Consumption	3.5 W	
Input Current	290 mA	
Operation Temperature/ Humidity	-10 °C to 50 °C / 0 % RH to 80 % RH	
Storage Temperature/ Humidity	-20 °C to 60 °C / 0 % RH to 85 % RH	
Dimension (Ø x H)	140 mm x 90 mm	
Weight	390 g	

Installation

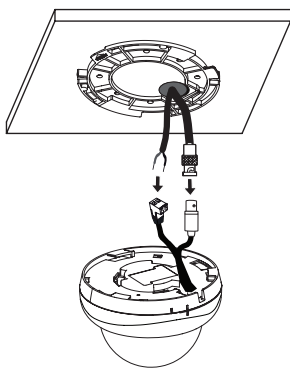
1. Using the template as a guide, make a hole through the ceiling.



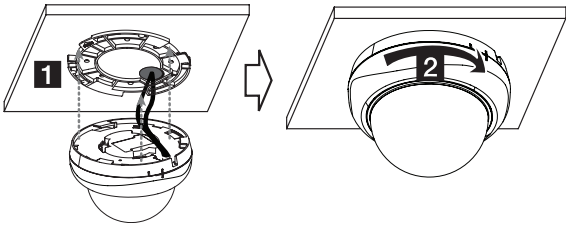
2. Install the camera mounting bracket to the ceiling.



3. Connect the cables to the cable jacks of the camera body.



4. Assemble the camera and mounting bracket as illustrated step **1** and **2**.



<日本語>	テンプレートを使用して穴位置を決め、天井に穴を開けます。
<한국어>	라벨을 이용하여 천장에 구멍을 뚫어 주세요.
<فارسی>	از قالب بعنوان راهنما استفاده نموده و یک سوراخ در سقف ایجاد نمایید.
<عربي>	باستخدام النموذج كدليل، قم بعمل فتحة في السقف.
<עברית>	תוך שימוש בתבנית, קדח חור בתקרה.

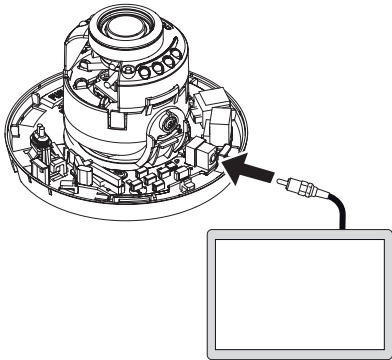
<日本語>	カメラ取付け金具を天井に取り付けます。
<한국어>	카메라 설치 브래킷을 천장에 설치하세요.
<فارسی>	پایه نگه دارنده دوربین را به سقف وصل کنید.
<عربي>	ركب دعامة تثبيت الكاميرا في السقف.
<עברית>	חבר את מסגרת חיבור המצלמה לתקרה.

<日本語>	ケーブルをカメラ本体のケーブル用端子に接続します。
<한국어>	전원 및 영상단자를 연결하세요.
<فارسی>	سیم ها را به جک های نگه دارنده آنها بر روی بدنه دوربین متصل کنید.
<عربي>	وصل الكابلات بمقابس الكابلات في جسم الكاميرا.
<עברית>	חבר את הכבלים לשקעים המתאימים בגוף המצלמה.

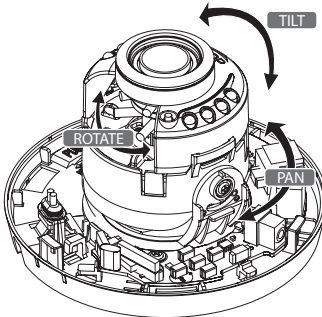
<日本語>	手順 1 と 2 の図のように、カメラと取付け金具を組み立てます。
<한국어>	그림과 같이 1,2 순서로 카메라 마운트 브래킷에 카메라를 결합하세요.
<فارسی>	بر طبق شکل های 1 و 2 دوربین و پایه نگه دارنده آن را به هم وصل نمایید.
<عربي>	ركب الكاميرا ودعامة التثبيت كما هو موضح في الخطوة 1 و 2 .
<עברית>	הרכב את המצלמה ואת מסגרת החיבור כפי שמתואר בשלבים 1 ו- 2 .

Camera Adjustment

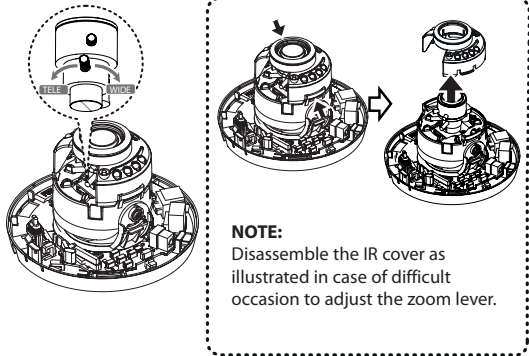
1. Connect a portable monitor to the video jack.



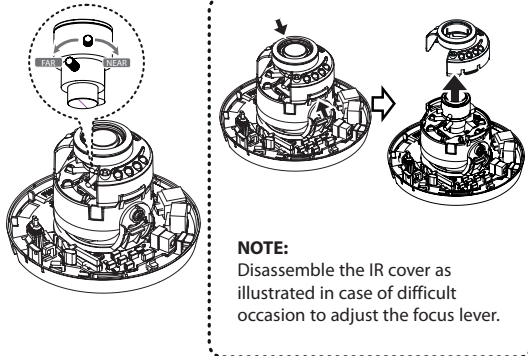
2. Adjust the Pan/Tilt/Rotate position of the camera.



3. Adjust the zoom.



4. Adjust the focus.



<日本語>	ポータブルモニターを映像端子に接続します。
<한국어>	모니터를 영상단자에 연결하세요.
<فارسی>	یک مانیتور قابل حمل را به جک ویدئو متصل کنید.
<عربي>	وصلة شاشة محمولة بمقابس الفيديو.
<עברית>	חבר צג נייד לשקע הווידאו.

<日本語>	カメラのパン/傾斜/回転位置を調節します。
<한국어>	상하 또는 좌우 각도를 알맞게 조절하세요.
<فارسی>	موقعیت پن/کج کردن/چرخاندن دوربین را تنظیم کنید.
<عربي>	ضبط وضع التحريك الأفقي الرأسی/ميل/تدوير الكاميرا.
<עברית>	כוון את מצב צילום פנורמה/הטיה/סיבוב של המצלמה.

<日本語>	ズームを調節します。
<한국어>	줌을 조절 하세요.
<فارسی>	زوم را تنظیم کنید.
<عربي>	ضبط التكبير/التصغير.
<עברית>	כוון את הזום.

<日本語>	フォーカスを調節します。
<한국어>	초점을 조절 하세요.
<فارسی>	فوکوس را تنظیم کنید.
<عربي>	ضبط التركيز.
<עברית>	כוון את הפוקוס.