



LG

Life's Good

User Guide

LG-R105

LG 360 CAM

ENGLISH



REV 1.0 US

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Note: Please read all information carefully prior to
using the R105 in order to prevent product damage
and to enjoy the best performance.

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Product Overview

The LG 360 CAM is a smart device that allows you to easily take high quality photos and videos with dynamic audio.

- Take 16-megapixel spherical photos or record QHD videos using Dual Cameras.
- Record 5.1 channel surround sound using three microphones.
- Using the LG 360 VR product (sold separately), you can view your vivid photos and videos, as well as enjoy more realistic directional sound.

Trademarks

- Bluetooth® is a registered trademark of Bluetooth SIG, Inc. worldwide.
- Wi-Fi® and the Wi-Fi logo are registered trademarks of the Wi-Fi Alliance.

WARNING: *This product contains chemicals known to the State of California to cause cancer and birth defects or reproductive harm. Call (800) 243-0000 for more information.*

This wireless device may cause electromagnetic interference, so it cannot be used for safety or emergency medical services.

Important Safety Information

- Always use genuine products. Do not use this product for any unintended purpose.
- Using or connecting products that are not genuine may shorten the product's longevity or cause an explosion. Doing so may also damage the product and thereby voids the service warranty.
- Do not connect the product to other equipment in a way that is not indicated in the user guide.
- Do not disassemble the product or allow anything to impact it. Doing so may cause an electrical shock, short circuit or fire.
- Applying heavy pressure to the product may damage it.
- Some functions of this product may be damaged, or its appearance may be altered or impaired, if it is bent or crushed and not repaired right away.
- In order to prevent damage, be careful not to drop the product on a hard surface or subject it to severe shock.
- Keep the product away from water, alcohol, benzene, etc.
- Use the product at temperatures between 0 °C and 35 °C. Do not use, or store the product, in extreme temperatures. Do not leave the product in direct sunlight for long periods of time. Doing so may cause damage or an explosion.
- Do not use alcohol, benzene, thinners or detergents to clean the product. Doing so may cause a fire.
- Use a soft cloth to wipe the product.
- Do not place the product near metal objects, such as necklaces, keys, coins, nails or clocks. In the case of a short-circuit, there is also the risk of an explosion.
- Keep the product out of the reach of small children and pets. Do not put the product in your mouth or subject it to severe shock. There is a risk of electric shock, an explosion or suffocation.

- Do not connect or insert conductive materials (metal pieces, pencil leads, etc.) into the connectors.
- Do not cover or wrap the product with a blanket while using the product.
- The product may become hot after long periods of use. Avoid touching the product when it becomes hot as it may cause a low-temperature burn.
- When shooting video for a long period of time, the camera may become hot. To prevent damage from high temperatures, the camera may stop operating.
- Do not dispose of the product as household waste. Doing so may cause a fire or damage the environment.

Part 15.19 statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Part 15.21 statement

Changes or modifications not expressly approved by the manufacturer (or party responsible) for compliance could void the user's authority to operate the equipment

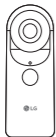
RF Exposure

This equipment complies with FCC/RSS-102 radiation exposure limits set forth for an uncontrolled environment.

This model can be found under the Display Grant section

of <https://www.fcc.gov/general/fcc-id-search-page> after searching on FCC ID ZNFR105

Product Components



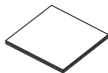
LG 360 CAM



Cap



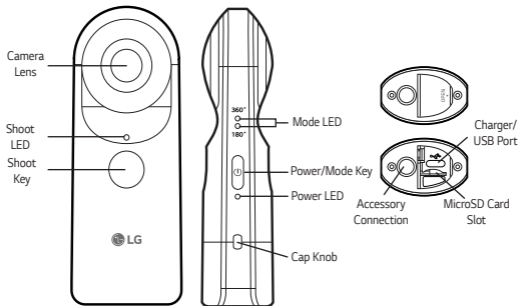
USB Cable



User Guide

- If there are any missing components, contact the retailer where you purchased the product.
- Some items are subject to change without prior notice depending on the circumstances.
- The appearance and specifications of the product are subject to change without prior notice to improve performance.

Product Description



How to Use the Keys

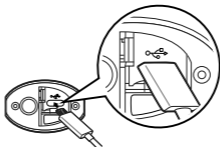
Take a photo	Press the Shoot Key
Record a video	Press and hold the Shoot Key
Toggle 360°/180° modes	Press the Power/Mode Key
Enter sleep mode	Press and hold the Power/Mode Key
Exit sleep mode	Press the Power/Mode Key or Shoot Key
Power off	Press and hold the Power/Mode Key (4 sec or longer)
Power on	Press and hold the Power/Mode Key
Forced shutdown	Press and hold the Power/Mode Key (12 sec or longer)

- * How to reset the device : Press and hold the Power/Mode Key and the Shoot Key simultaneously for eight seconds. Release the keys after you hear the second beep, then press the Power/Mode Key in four seconds to reset the device.

Battery Charging and Alerts

Open the bottom cover of the product and connect the charger to the USB port.

Power LED (with the cable connected)	Red	Green
Battery Status	Charging	Completed



The Power LED indicates the battery level.

Power LED (with the cable disconnected)	Green	Red	Red blinking
Battery Status	More than 15%	5% ~ 15%	Less than 5%

Connections

Connect a Device

1. Turn your LG 360 CAM on.
2. Launch the LG 360 CAM manager app on your phone.
3. Your 360 CAM and the manager app will connect automatically.
4. Your LG 360 CAM is now ready to use.

Notes

- The LG 360 CAM manager app can be downloaded from Google Play Store on Android phones and from iTunes Store on iPhones by searching for 'LG 360 CAM'. (Supported on Android 5.0 (L OS) or later, and iOS 8 or later.)
- The PC software can be downloaded from the LG Electronics' website (<http://www.lge.co.kr>). (Supported on Windows 7 or later and MAC 10.10 or later.)
- When the manager app asks for a Bluetooth connection and location permissions, you must grant them before using the app.
- When launching the manager app for the first time, you must agree to the terms and conditions before using the app.
- The LG 360 CAM can be connected to only one phone at a time. To connect it to another phone, disconnect it from the phone it is currently connected to first.
- If your LG 360 CAM is passcode protected, enter the passcode to connect it.
- The default Wi-Fi password is "00" plus the last 6 digits of your product's serial number.
- To reset the Wi-Fi connection, press and hold the Power/Mode Key and the Shoot Key simultaneously for 3 seconds until you hear a beep.
- Turn the device's Wi-Fi on or off by pressing the Power/Mode Key and the Shoot Key twice.

Features and Usage

Take Photos and Record Videos

You can take photos and record videos only when an external SD card has been inserted.

< Shooting without a Device Connection >

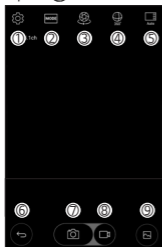
Press the Shoot Key on your LG 360 CAM to take photos or record videos.










(See How to Use the Buttons on Page 7.)

Mode LED	Top LED on	Bottom LED on
Shooting Mode	360°	180°

< Shooting with a Phone Connection >

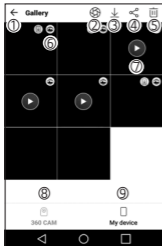
Tap the  on the LG 360 CAM app home screen.










①		Select an image quality.
②		Select a shooting Environment.
③		Select a shooting direction.
④		Select a shooting mode (360°/180°).
⑤		Set Normal or Expert mode.
⑥		Go to the Previous Menu.
⑦		Take a photo.
⑧		Record a video.
⑨		Enter the preview.

Gallery

Tap the  on the LG 360 CAM app home screen.



①	←	Go to the Previous Menu.
②		Enter the camera.
③	↓	Download the files from your LG 360 CAM to your phone.
④		Share your files.
⑤		Delete any unwanted files.
⑥		Spherical image icon.
⑦		Video icon.
⑧		Access the file list on your LG 360 CAM.
⑨		Access the file list on your phone.

Avoid touching or removing the external SD card while the camera is operating or transferring data.

Setting

Tap the  on the LG 360 CAM app home screen.

< Wi-Fi >

This allows you to set a Wi-Fi password.

< Sound >

Press this button to mute/unmute your LG 360 CAM.

< Storage >

This allows you to check a storage space or format it.

< Battery >

This shows the battery level of your LG 360 CAM.

< Power Saving Mode >

This allows you to set the time before your LG 360 CAM enters power saving mode.

< About LG 360 CAM >

This displays software updates, device information, and the Terms of Service for your LG 360 CAM.

Help

Press the  button for Help.

Specifications and Features

Bluetooth Specification	V4.1
Wi-Fi Specification	802.11 b/g/n
USB Type	Type-C USB 2.0
Battery	1200 mAh
Optics	13 M, 206° x 2 (Dual Fisheye Lens)
Max. Video Res	2560 x 1280 (30fps)
Max. Photo Res	5660 x 2830 (16M)
Image / Video File Format	Still Image : JPEG / Video : MP4 (MPEG-4 AVC/H.264, Audio : AAC 5.1Ch)
Capturing	Spherical / Half-spherical image & video
Sound	3 Mic
External SD Card	Up to 2 TB
Dimensions/Weight	40 mm x 97 mm x 25 mm / 76.7 g

It is recommended to use a UHS-1 (U3) read/write 10MB/s or higher SD memory card. (Class 10 or higher)

Google Street View

The LG 360 CAM supports Google Street View and YouTube 360 services.

LIMITED WARRANTY STATEMENT

1. WHAT THIS WARRANTY COVERS:

LG offers you a limited warranty that the enclosed unit and its enclosed accessories will be free from defects in material and workmanship, according to the following terms and conditions:

- (1) The limited warranty for the product extends for TWELVE (12) MONTHS beginning on the date of purchase of the product with valid proof of purchase, or absent valid proof of purchase, FIFTEEN (15) MONTHS from date of manufacture as determined by the unit's manufacture date code.
- (2) The limited warranty extends only to the original purchaser of the product and is not assignable or transferable to any subsequent purchaser/end user.
- (3) This warranty is good only to the original purchaser of the product during the warranty period as long as it is in the U.S., including Alaska, Hawaii, U.S. Territories and Canada.
- (4) The external housing and cosmetic parts shall be free of defects at the time of shipment and, therefore, shall not be covered under these limited warranty terms.
- (5) Upon request from LG, the consumer must provide information to reasonably prove the date of purchase.
- (6) The customer shall bear the cost of shipping the product to the Customer Service Department of LG. LG shall bear the cost of shipping the product back to the consumer after the completion of service under this limited warranty.

2. WHAT THIS WARRANTY DOES NOT COVERS:

- (1) Defects or damages resulting from use of the product in other than its normal and customary manner.
- (2) Defects or damages from abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, unauthorized modifications, unauthorized connections, unauthorized repair, misuse, neglect, abuse, accident, alteration, improper installation, or other acts which are not the fault of LG, including damage caused by shipping, blown fuses, spills of food or liquid.
- (3) Breakage or damage to antennas unless caused directly by defects in material or workmanship.
- (4) Alleged product defects or malfunction of which the Customer Service Department at LG was not notified by consumer during the applicable limited warranty period.

- (5) Products which have had the serial number removed or made illegible.
- (6) This limited warranty is in lieu of all other warranties, express or implied either in fact or by operations of law, statutory or otherwise, including, but not limited to any implied warranty of marketability or fitness for a particular use.
- (7) Damage resulting from use of non-LG approved accessories.
- (8) All plastic surfaces and all other externally exposed parts that are scratched or damaged due to normal customer use.
- (9) Products operated outside published maximum ratings.
- (10) Products used or obtained in a rental program.
- (11) Consumables (such as fuses).

3. STATE LAW RIGHTS:

No other express warranty is applicable to this product. THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MARKETABILITY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN. LG SHALL NOT BE LIABLE FOR THE LOSS OF THE USE OF THE PRODUCT, INCONVENIENCE, LOSS OR ANY OTHER DAMAGES, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE OF, OR INABILITY TO USE, THIS PRODUCT OR FOR ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING THE IMPLIED WARRANTY OF MARKETABILITY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE APPLICABLE TO THIS PRODUCT.

Some states do not allow the exclusive limitation of incidental or consequential damages or limitations on how long an implied warranty lasts; so these limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

4. HOW TO GET WARRANTY SERVICE:

To obtain warranty service, please call or fax to the following telephone numbers from anywhere in the continental United States:

Tel. 1-800-793-8896 or Fax. 1-800-448-4026

Or visit <http://www.lg.com/us/support>. Correspondence may also be mailed to:

LG Electronics Service- Mobile Handsets
P.O. Box 240007, Huntsville, AL 35824

DO NOT RETURN YOUR PRODUCT TO THE ABOVE

ADDRESS. Please call or write for the location of the LG authorized service center nearest you and for the procedures for obtaining warranty claims.

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

RF Exposure

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage;
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radio électrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Conformément à la réglementation d'Industrie Canada, le présent metteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radio électrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité admissible à l'établissement d'une communication satisfaisante.

Exposición a RF

Este equipo cumple con los límites de exposición a la radiación establecidos por la IC para entornos no controlados.

Consumer Information on SAR

(Specific Absorption Rate)

This model phone meets the government's requirements for exposure to radio waves. Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to Radio Frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. Tests for SAR are conducted using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. Because the phone is designed to operate at multiple power levels to use only the power required to reach the network, in general, the closer you are to a wireless base station antenna, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model.

The highest SAR values are:

* Body: 1.3 W/kg
