

LG G8ThinQ™

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PREMIUM AUDIO

Crystal Sound OLED Speaker
Boombox Speaker



TOUCHLESS CONTROL

Hand ID
Air Motion



ADVANCED CAMERAS

12 MP Standard Rear
16 MP Wide-Angle Rear
8 MP Front-Facing with
Z Camera



ELEGANT DESIGN

Sleek Glass Design
6.1" OLED FullVision™ Display



	DUAL REAR CAMERAS		FRONT CAMERAS
	Standard Angle	Super Wide Angle	Standard Angle
Field of View	78°	107°	80°
Maximum Aperture	f/1.5	f/1.9	f/1.7
Sensor Size	1/2.6"	1/3.1"	1/3.6"
Sensor Pixel Size	1.40 μm	1.00 μm	1.22 μm
Resolution (up to)	12 MP (4032 x 3024)	16 MP (4656 x 3492)	8 MP (3280 x 2460)
Flash	LED	LED	Selfie-Light

DUAL REAR CAMERAS

- **OIS+** - capture sharp images quickly with less blur
- **Dual PDAF** – autofocus using dual PD pixel sensor
- **Zoom** – up to 8x
- **Manual Camera** - adjust shutter speed, ISO, exposure, white balance, and more; save image as raw (DNG) and JPEG
- **Graphy 2.0*** - select reference photos that automatically adjust Manual Mode settings
- **Food** - adjusts white balance to improve appearance
- **Other Camera Modes:** Auto, Slow-Mo, Cine Video, Panorama, YouTube Live, Time-Lapse, 360 Panorama
- **AI Composition** - recognizes up to 3 people and adjusts the picture composition based on photography's rule of thirds
- **Night View** - take sharper photos at night by adjusting the brightness with the slider
- **Google® Lens** - searches what you see and provides relevant online information; features QR code and real-time translator

DUAL REAR CAMERAS & FRONT CAMERA

- **Studio** - switch the background to a specific color
- **Spotlight** - add lighting from different angles by selecting where it illuminates the subject's face
- **Portrait** - bokeh effect blurs the background while keeping the subject in focus
- **AI Cam** - suggests the optimal effect and angle by automatically identifying what's in the shot

- **Cine Shot** - create partially animated videos by selecting specific areas to animate
- **HDR** - corrects backlighting with multiple exposure techniques
- **My Avatar** - take a picture of yourself to create a personalizable animated emoji
- **AR Emoji** - 3D graphic animals mimic your facial expressions
- **Flash Jump-Cut** - photos are taken every 3 seconds and saved as a GIF
- **Live Photo** - record the action right before and after you take a photo
- **AR Sticker** - personalize photos with a variety of pre-loaded stickers
- **Quick Sharing** - access sharing apps instantly after taking pictures and videos
- **Film Effect** - choose from 17 preset filters

FRONT CAMERA

- **8 MP Autofocus Front-Facing Camera**
- **Makeup Pro** - manually change the appearance of selfies by adjusting complexion, lip color, or enhancing eyes and eyelashes
- **Auto Shot** - take a selfie with automatic face detection
- **Gesture Shot** - take a selfie with a simple hand gesture
- **Gesture Interval Shot** - make a fist twice to take four selfies in a row
- **Gesture View** - automatically preview the image when bringing the phone close
- **Selfie Light** - screen illuminates for well-lit selfies
- **Beauty Shot** - softens facial features

* App download required.



Video Recording

- **Video Portrait** – blurs the background while keeping the subject in focus
- **4K Video Recording at 60 FPS**
- **EIS** - capture sharp footage with less blur
- **Resolution:** up to 3840 x 2160 pixels (1920 x 1080 default)
- **Steady Record** - record smoother, clearer videos on the move (this is available front and rear)
- **HDR10 Video Recording** - life-like footage with a wide spectrum of color that is rich, accurate, and high contrast

- **Point Zoom** - zoom in on any selected area within the frame for more stability and control
- **Video Manual Mode*** - adjust audio focus, manual focus, white balance, frame rates, and more
- **Cine Effect** - choose from 16 different color grading presets for a cinematic look
- **Time-Lapse Video** - video where time appears to be moving faster
- **Video Studio*** - merge up to 50 photos or videos; trim and add title/text, background music, and theme effect overlays

* Not available with some camcorder settings.



Experience

SECURITY

- **Multi ID** – 3 ways to unlock: 3D Face Unlock, Fingerprint ID, and Hand ID
- **Hand ID** – 3D sensor scans palm and uses unique vein recognition technology to unlock the device
- **Fingerprint ID** - access phone, make mobile payments, secure content¹
- **3D Face Unlock** - unlock screen with facial scan
- **Screen Lock** - Swipe, Knock Code®, Pattern, PIN, Password
- **Google Smart Lock** - keep phone unlocked when connected to trusted devices or in trusted places

CONVENIENCE

- **Air Motion** – control phone with touchless commands to access favorite functions, answer calls, snooze alarms, and increase volume
- **Z Camera** – front-facing 3D sensors (receiving and transmitting) enable touchless control, security features, and enhanced selfies
- **Emotional Haptic Function** - vibrates when AI functionality has detected something
- **Barge-in** - recognizes "Hey Google" commands while audio is playing
- **App Scaling** - set view to None (Original), Compatibility (16:9), Standard (16.7:9), Full screen
- **Shortcut Keys** - quick access to Capture+, Camera or Google Assistant

¹ Features and capabilities may vary by carrier. ² This device and related software is not intended for use in the diagnosis of disease or other conditions, or in the cure, mitigation, treatment or prevention of disease. Consult a doctor before starting an exercise program.



Audio

- **Crystal Sound OLED Speaker** - entire screen is a speaker for immersive sound
- **Boombbox Speaker** - inner resonance chamber along with bottom speaker provides greater sound levels for boosted bass
- **DTS:X Virtual Surround** - deep 3D stereo audio experience¹
- **32-Bit Hi-Fi Quad Digital-to-Analog Converter (DAC)** - produces crisp, full sound through wired headphones
- **Wind Noise Filter** - minimize wind noise during video recording
- **Sound Preset** - custom options to achieve different sound experiences

¹ Wired headphones or speakers required. ² Ambient noise and room configuration may lessen operational distance and accuracy. ³ Available only in Manual Mode.

- **Comfort view** - decreases amount of blue light on the screen to help alleviate eyestrain
- **Screen Color** - adjust settings for Auto, Eco, Cinema, Sports, Game, Expert, Color temperature or RGB levels
- **Mini View** - shrink the screen for one-handed use
- **Knock On®** - double tap the screen to put your phone to sleep/wake it
- **Smart Cleaning®** - optimize phone storage and test hardware for improved performance
- **Battery Saver** - conserve battery by changing settings and restricting apps in the background
- **LG Health²** - fitness app tracks daily activity

PRODUCTIVITY

- **Google Assistant with LG Integration** - intelligent personal assistant also performs LG-exclusive device-specific tasks
- **Multi Window** - use two apps simultaneously on a split screen
- **Drag and Drop Picture Gallery** - select multiple pictures and easily drag and drop into sub-folders
- **QTag** - gallery searches with automatic tagging and album creation
- **QuickMemo®+** - write or draw with the paper style, pen size/color of your choice, schedule memos to appear at certain times or locations
- **Capture+** - write or draw on nearly any screen

- **Digital Filter** - Short, Sharp, or Slow options of Sound Filter characteristics in DAC
- **Super Far-Field Voice Recognition (FFVR)** - improved voice recognition picks up commands better in noisy environments from up to 16' away²
- **HD Audio Recorder** - choose between Normal, Concert, and Custom modes; record over a separate track
- **Hi-Fi Video Recorder** - 2 high AOP mics record higher-quality sound³
- **Hi-Fi Streaming Ready** - can decode MQA file, high resolution audio to be packed in a small size



Entertainment

- **Boombbox Show** - music comes alive with a strobe light and screen visuals that move to the music
- **Game Tools** - use take a break function, take a screenshot, scale app, disable alerts during game, hide home touch buttons or adjust resolution and frame rate
- **Accelerometer** - control games by turning and tilting*
- **Music Player** - supports MP3, WAV, AMR, AAC, AAC+, eAAC+, AC3, OGG, FLAC, MIDI, WMA, XMF, DSF, DFF, and AIFF formats

- **LG Music App** - organized by songs, albums, artists, genres, playlists, folders, nearby devices, and favorites
- **Video Player** with Touch Lock, and Resume Play Functions; supports AVI, MKV, MP4, 3GP, 3G2, M4V, TS, WEBM, FLV, ASF, PS, MPG, MPEG, M2TS, MOV, and K3G formats
- **Customizable Video** - Play Speed, Screen Capture, Subtitle

* Only available on certain interactions with the touch screen.

Display

- **6.1"*** QHD+ OLED Display (3120 x 1440, including notch); 564 ppi
- **FullVision Display** - 19.5:9 Aspect Ratio; 83.1% screen-to-body ratio
- **New Second Screen** - choose to add a color fill to the status bar

* Actual viewable area is less due to rounded corners and notch.

- **Floating Bar** - access app shortcuts and call notifications on a movable/collapsible toolbar
- **Always-On Display** - time, date, and notifications appear on a sleeping screen
- **Palm Rejection** - prevents accidental interactions on the touch screen

Design & Durability

- **Size:** 5.98" (H) x 2.83" (W) x 0.33" (D), Weight: 5.89 oz.
- **Dedicated Google Assistant Key**
- **IP68 Dust and Water Resistant**¹
- **Shock Resistant** - MIL-STD-810G Tested²

- **Corning® Gorilla® Glass 5 (Front) & 6 (Rear) Protection**
- **Heat Pipe** - absorbs and moves heat away from the processor to help minimize the risk of overheating

¹ Tested under controlled laboratory conditions with a rating of IP68 under IEC standard 60529 (Water resistant up to 1.5 meters for 30 minutes). If the product gets wet, use a clean, soft cloth to dry it thoroughly.
² Compliant with a military standards test (MIL-STD-810G Method 516.6, Procedure IV "Transit Drop"). Device may not perform as tested in all conditions. Test performed in controlled environment. Do not attempt.

Connectivity

- **4G LTE Network**¹
- **Network:** GSM, UMTS, LTE
- **Frequencies:** GSM 850/900/1800/1900; UMTS: B1, B2, B4, B5, B8; LTE Bands B2/B4/B5/B12/B46/B48/B66/B71; LTE Roaming: B1/B3/B7/B8/B13/B20/B25/B26/B28/B38/B39/B40/B41
- **Data Transmission:** GPRS, EDGE, HSPA, LTE
- **Wi-Fi Hotspot**² - share a 4G LTE data connection with up to 10 wireless devices³
- **Bluetooth®** Wireless Technology Version 5.0
- **Supported Bluetooth Profiles:** A2DP, AVRCP, DI, GAVDP, GOEP, HDP, HFP, HID, HSP, MAP, OPP, PBAP, SPP, HOGP, ScPP, GATT

- **Wi-Fi® Standards:** 802.11 a/b/g/n/ac
- **Wi-Fi Direct®** - connect directly to devices
- **USB¹ Tethering²** - share your Internet connection
- **Android Beam (NFC)** - share contacts, web pages, and more
- **Media Sync** - allow nearby devices to access content
- **Screen Sharing** - wirelessly mirror device screen
- **MIDI Device** - connect to musical instruments via USB⁴
- **A-GPS** for Enhanced Location Accuracy
- **MirrorLink®** - connect to a MirrorLink - capable car to share your screen and apps

¹ 4G LTE Network not available everywhere. ² Carrier service required. Product features subject to change. Features based on carrier program availability. Additional charges may apply. ³ Depends on network availability. Additional carrier charges may apply. ⁴ USB cable required (included).

Power & Performance

- **Platform:** Android™ 9 (Pie)
- **User Interface:** LG UX 8.0
- **Processor:** Qualcomm Snapdragon™ 855 Octa-core (up to 2.84 GHz x 1 + 2.42 GHz x 3 + 1.79 GHz x 4)
- **Battery Capacity:** 3,500 mAh Non-Removable
- **Talk Time:** 23 hours¹

- **Standby Time:** 4 Days 16 hours (AoD ON), 18 Days 4 hours (AoD Off)¹
- **Charging:** USB Type-C™ port; wireless charging²; Qualcomm Quick Charge™ 3.0
- **Internal Memory:** 128 GB (104 GB usable)³
- **microSD™:** supports card up to 2 TB (cards sold separately)
- **RAM:** 6 GB
- **Hearing Aids:** Rated for M4, T3

¹ Actual time may vary depending on network connectivity and application use. ² Wireless charger sold separately. ³ Usable memory varies depending on software version and settings.

LG Accessories

- USB Type-C Cable (Quick Charge 3.0 Charger)¹

- LG TONE Bluetooth Stereo Headset²

¹ Included with phone. ² Available models vary by carrier.

