

86UR7800PUA

LG UHD TV UR7800

86"

* Class size: See below for details.

- Home Cinema Experience with HDR10 Pro and FILMMAKER MODE™
- Engineered to immerse with the α5 AI Processor 4K Gen6
- AI 4K upscaling lets you see everything in 4K
- Customize your gaming experience in one location with the LG Game Optimizer
- Smart TV with over 300 free channels of entertainment
- Super Slim Design



DESCRIPTION

Experience Ultra Immersion in UHD

The 86" cinema-sized LG 4K UHD TV that has the smarts to search, stream and recommend, with the extra content, like 300+ free LG Channels,* that only LG can deliver. Plus, you can bring the cinema home with FILMMAKER MODE™ to see movies just the way directors intended.

*Internet connection and subscriptions to streaming services are required; number of LG Channels subject to change.

KEY FEATURES

Home Cinema Experience

Get in the action

Enjoy movies and TV shows upscaled to 4K for a sharper image and more lifelike details.* See it as the director intended with FILMMAKER MODE™. HDR10 Pro allows you to enjoy the latest HDR content with extended contrast for visuals that pop off the screen.

*Image quality of upscaled content will vary based on the source resolution.

α5 AI Processor Gen6

Engineered to immerse

Powered by AI, you will experience enhanced picture detail and improved sound from the α5 AI Processor Gen6 that upscales content to 4K* and detects room lighting to adjust color and picture contrast to optimal settings.

*Image quality of upscaled content will vary based on source resolution.

webOS23

Smart TV, simplified

Less searching, more streaming, thanks to the next generation of AI technology. Enjoy your favorite content including fitness, sports, entertainment and more. With Quick Cards, group your favorite apps into categories to make them easier to find when you need them.

*Internet connection and subscriptions to streaming services are required.

LG Channels

Cut the cord

Get instant access to over 300 free channels,* including movies, breaking news, sports, comedy and more. Discover and enjoy premium new entertainment with nothing more than an internet connection.

*Internet connection required; number of LG Channels subject to change.

Powerful Gameplay

Bring on the game

Quickly customize your gaming experience in one location with the LG Game Optimizer. And, with GeForce NOW included, you can automatically stream and get in the game.*

*Subscription and compatible gaming controller are required.

SPECIFICATIONS

PICTURE (PANEL)	
Display Type	4K UHD
Display Resolution	4K Ultra HD (3,840 x 2,160)
Backlight Type	Direct
Refresh Rate	60Hz Native
Wide Color Gamut	-
PICTURE (PROCESSING)	
Picture Processor	α5 AI Processor Gen6
AI Picture	-
AI Upscaling	4K Upscaling
Dynamic Tone Mapping	Yes (Dynamic Tone Mapping)
HDR (High Dynamic Range)	HDR10 / HLG
Dolby Vision	-
FILMMAKER MODE™	Yes
Dimming Technology	-
Motion	-
GAMING	
Game Optimizer	Yes (Game Dashboard)
G-Sync Compatible (Nvidia)	-
FreeSync Compatible (AMD)	-
VRR (Variable Refresh Rate)	-
ALLM (Auto Low Latency Mode)	Yes
HGIG Mode	Yes
Cloud Gaming	NVIDIA Geforce Now, Utomik
SMART TV	
Operating System (OS)	webOS 23
ThinQ	Yes
Intelligent Voice Recognition	Ready
Magic Remote Control	Ready
Home Hub	Yes
Amazon Alexa (Built-in)	Ready
Works with Amazon Alexa	Yes
Works with Hey Google	Yes
Works with Apple Home	Yes
Works with Apple Airplay2	Yes
Hands-free Voice Control	-
Next Picks	Yes
Art Gallery	-
App Store	Yes (App)
Full Web Browser	Yes
LG Channels	Yes
Who.Where.What?	Yes
Sports Alert	Yes
Multi View	-
Room to Room Share	Yes (Receiver)
Always Ready	-
USB Camera Compatible	Yes
Home Office	Yes
Game Service	Yes
Music Service	Yes
Matter	Yes
AI Concierge	Yes
Content Partners	Netflix, Max, Prime Video, Disney+, Apple TV, Hulu, Paramount+, Peacock, Youtube TV, Spotify, iHeartRadio and more
AUDIO	
Speaker System	2.0 channel
Audio Output	20W
Speaker Direction	Down Firing
Dolby Atmos	-
AI Sound	AI Sound (Virtual 5.1 Up-mix)
DTS:X (by-pass only)	-
Clear Voice Pro	Yes

WiSA Ready	-
Audio Codec	AC4, AC3(Dolby Digital), EAC3, HE-AAC, AAC, MP2, MP3, PCM, WMA, apt-X (Refer to manual)
LG Sound Sync	Yes
Sound Mode Share	Yes
Bluetooth Surround Ready	Yes (2 Way Playback)
CONNECTIVITY	
NEXTGEN TV (ATSC 3.0)	-
Wi-Fi Standard	Wi-Fi Certified (Wi-Fi 5)
Bluetooth Support	Yes (v 5.0)
IP Control	Yes
Simplink (HDMI CEC)	Yes
TV Tuner	ATSC, Clear QAM
Smartphone Remote App	Yes (LG ThinQ)
INPUTS & OUTPUTS	
HDMI Input	3ea (supports eARC, ALLM as specified in HDMI 2.1)
HDMI Audio Return Channel	eARC (HDMI1)
USB Input	2ea (v 2.0)
RF Input (Antenna/Cable)	1ea
Composite In (AV)	-
Ethernet Input	1ea
RS-232C Input (Min Jack)	Yes
SPDIF (Optical Digital Audio Out)	1ea
Headphone output	-
POWER	
Power Supply (Voltage, Hz)	AC 120V, 50/60Hz
Standby Power Consumption	Under 0.5 W
Power Consumption	169.7 W
Annual Power Consumption	312 kWh/y
86UR7800PUA (85.6" DIAGONAL) DIMENSIONS/WEIGHTS/UPC	
TV Dimensions with Stand (WxHxD)	75.9" x 45.8" x 14.3"
TV Dimensions without Stand (WxHxD)	75.9" x 43.5" x 2.4"
Packaging Dimensions (WxHxD)	83.3" x 47.8" x 9"
Stand Width	60.3"
TV Weight with Stand	101.2 lbs
TV Weight without Stand	99.6 lbs
Packging Weight	128.7 lbs
VESA Mounting (W x H)	600 x 400
UPC	195174061602
ACCESSORIES INCLUDED	
Wall Mount	-
Remote	Standard Remote
Remote Control Battery	Yes (AAA x 2EA)
Power Cable	Yes (Attached)
Quick Start Guide	Yes
E-Manual	Yes
OPTIONAL ACCESSORIES (SOLD SEPARATELY)	
Stand	-
Wall Mount	LSW640
Wall Mount	-
DESIGN	
TV Color	Ashed Blue
Stand Color	Dark Steel Silver
WARRANTY	
Limited Warranty	1 Year Parts & Labor