

QNED91



4K QNED Mini LED AI ThinQ TV

86", 75", 65"



Quantum Dot + NanoCell + Mini LED = The Ultimate LG LED/LCD TV

LG QNED MiniLED represents the dawn of a new era for LG LED/LCD TVs. The pioneering display combines a Mini LED LCD panel with Quantum Dot + NanoCell Technology to deliver an all-new LG LED/LCD TV experience.



α7 Gen4 AI Processor 4K Powerful to the core

At the core of LG QNED MiniLED is the α7 Gen4 AI Processor 4K, a ground breaking chip that uses machine learning algorithms to automatically analyse and optimise content.



Think you know smart? Think again

LG AI ThinQ is here to maximise your smart TV experience. Use your favourite voice assistant to control your TV, and discover the convenience of an all-new Home screen.¹²



Darkness brings out the detail

Thousands of Mini LED lights deliver bright and clear images, while between 900-1500 individual dimming zones* deliver precise backlight control and a high contrast ratio. The result is a great level of detail and more accurate colour reproduction than LG UHD & NanoCell LED/LCD TVs.
*Number of dimming zones varies depending on screen size.



VRR, ALLM, eARC. Play at a higher standard

Don't let outdated connections cripple your edge. HDMI 2.1 brings VRR (Variable Refresh Rate), ALLM (Auto Low Latency Mode) and eARC (Enhanced Audio Return Channel) to enable fast-moving content at high resolutions, and smooth, synchronised audio and graphics.



QNED91T4		SMART SHARE FEATURES	
DISPLAY & PICTURE QUALITY			
Screen Type	LED/LCD	Network File Browser	●
Screen size	65" (164cm), 75" (189cm), 86" (217cm)	Smart Share (Miracast) ¹⁸	● (PIP/Full Screen)
Resolution	3840 x 2160	Smartphone Remote App ¹⁹	LG ThinQ
Motion Rate	Tru Motion 200 with backlight scanning	Works with Apple AirPlay ²⁰	●
HDR Format ¹	Dolby Vision™, HDR10, HLG	AUDIO FEATURES	
Dolby Vision IQ™ ¹	●	Audio Output	40W
HDR10 Pro ¹	●	Audio Decoder	HE-AAC, AAC, MP2, MP3, PCM, WMA, apt-X, LPCM, MPEG-1, AC3 (Dolby Digital), EAC3 (Dolby Digital+) AC-4 (Dolby Atmos)
Wide Colour Gamut	●	Virtual Surround	Dolby Atmos
Nano Colour	● (Pro - Quantum Dot & NanoCell Plus)	WiSA Speaker 2.1ch Compatible ²¹	●
Backlight Type	Mini LED	Sound Modes	7 (AI Sound, Standard, Cinema, Clear Voice Pro, Cricket (Sports), Music, Game Optimiser)
Local Dimming	● (Fully Array Dimming Pro)	AI Sound	●
ULTRA Luminance	● (Pro)	Bluetooth Surround Compatible ²²	●
Picture Modes	9 (Vivid, Standard, FILMMAKER MODE™, APS, Cinema, Cricket, Game Optimiser, ISF Bright Room, ISF Dark Room)	LG Sound Sync (LG TV Bluetooth) ²³	●
HDR Picture Modes	6 (Vivid, Standard, FILMMAKER MODE™, Cinema Home, Cinema, Game Optimiser)	Enhanced Audio Return Channel ²³	● (eARC)
Dolby Vision™ Picture Modes	5 (Vivid, Standard, Cinema Home, Cinema, Game Optimiser)	LG TV Sound Mode Share (LG Soundbar Mode Control) ²³	●
Colour Bit Depth	10-bit	CONNECTIONS	
Image Processor	α7 Gen 4 AI Processor 4K	HDMI ²⁴	● (4)
Tuner	MPEG-2/4 DVB-T2 (Single)	USB	● (3)
Resolution Upscaling ²	4K Upscaler	RF Antenna Input	● (1)
AI Picture	●	Composite/Component Input	-
AI Brightness	● (HDR)	Headphone (3.5mm) Output	-
Auto Genre Selection	● (Dolby Vision content only)	Digital (Optical) Audio Output	● (1)
FILMMAKER MODE™	●	LAN Port	● (1)
Motion Pro (Black Frame Insertion)	● (Pro)	IR Blaster	-
Noise Reduction	●	Gallery Stand Compatible (FS21GB - Sold Separately)	-
High Frame Rate (HFR) ³	● (HDMI: 4K@120fps)	DIMENSIONS AND REGULATORY	
CONVENIENCE FEATURES		TV with Stand (WxHxD)	86": 1925mm x 1177mm x 452mm 75": 1673mm x 1035mm x 405mm 65": 1452mm x 903mm x 336mm
Magic Remote	●		
Intelligent Voice Control ⁴	●	TV without Stand (WxHxD)	86": 1925mm x 1105mm x 46mm 75": 1673mm x 963mm x 45mm 65": 1452mm x 839mm x 45mm
Hands-Free Voice Control ⁴	-		
Electronic Programme Guide (SI - 8 days)	●	TV Stand (WxD)	86": 1196mm x 452mm 75": 895mm x 405mm 65": 831mm x 336mm
User Guide (Built-in)	●		
Time Machine Compatible ⁵	●	Net Weight with Stand (kg)	86": 59.1kg 75": 41.6kg, 65": 30.3kg
Time Shift ⁵	●		86": 55.3kg 75": 38.2kg, 65": 28.6kg
Universal Remote Feature ⁶	●	Carton (WxHxD)	86": 2116mm x 1217mm x 285mm 75": 1820mm x 1115mm x 253mm 65": 1600mm x 1070mm x 203mm
Video Playback Formats	ASF/WMV/AVI (Xvid, H.264/AVC)/ MP4/M4v/MOV (H.264, H.265, MPEG-4, HEVC), AV1/ MKV (MPEG-2, MPEG-4, H.264, H.265, VP8, VP9, HEVC, AV1) TS/TRP/TP/MTS/MPG/3GP/3G2/MPEG/DAT/VOB/ HEVC (Up to 3840x2160 @ 120p) / AV1 (Up to 3840x2160 @ 60p)		
Music Playback Formats	MP3/WAV/WMA/OGG/FLAC	Gross Weight of Carton (kg)	86": 73.4kg 75": 52.1kg, 65": 37.5kg
Photo Playback Formats	JPEG/PNG/BMP		86": 600 x 400 75": 400 x 400, 65": 400 x 400
Art Gallery	●	Energy Star Rating	86": 5 Stars 75": 5 Stars, 65": 5 Stars
Sports Alert ⁷	●		86": 8806091397898 75": 8806091397911, 65": 8806091398819
SIMPLINK (HDMI CEC)	●	WARRANTY PERIOD	
GAMING FEATURES		Warranty Period	
Variable Refresh Rate (VRR) ⁸	●	1 Year Warranty - Parts and Labour	
NVIDIA G-SYNC® Compatible ⁹	-		
AMD FreeSync® Premium ¹⁰	●		
HGiG Mode	●		
Auto Low Latency Mode (ALLM)	●		
Game Optimiser	●		
SMART TV FEATURES			
ThinQ ¹¹	●		
Smart TV Operating System	webOS 6.0 Smart TV		
Hey Google (Google Assistant) ¹²	●		
Amazon Alexa Built In ¹²	●		
Works with Apple Homekit ¹²	●		
Home Dashboard	●		
Wi-Fi	● (802.11ac)		
Web Browser ¹³	●		
FreeviewPlus (HbbTV) ¹⁴	●		
Smart Speaker Compatible ¹⁶	●		

1 HDR playback for HDMI, USB and IPTV streaming services. HDR broadcasts currently not available in Australia. Compatible Dolby Vision High Dynamic Range content required for full HDR effect. Dolby Atmos source content required for full audio effect.

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

3 Feature activated when showing HFR content and connected to a compatible device. Supports up to 40Gbps bandwidth, allowing up to 4K 120Hz 4:4:4 @ 10-bit per component.

4 Voice Control features may not be available in all languages and dialects. Refer to source material. ThinQ TV control voice commands are supported.

5 Dedicated USB Hard Drive required for recording and live playback function (sold separately). exFAT not supported.

6 Some brands not supported, check website for details: www.lgappstv.com/appspc/oss/support_lge

7 Features and services may change without notice.

8 Feature activated when connected to a compatible device and compatible content.

9 Only RTX 20-series, 30-series and GTX 16-series GPUs will support G-SYNC Compatible with LG OLED TVs.

10 Feature activated when connected to a compatible device and capable content.

11 AI ThinQ feature is not available in all languages and dialects. Depending on ambient noise, voice clarity and available content or source material, voice commands may not always deliver or respond to the requested command.

12 Google Assistant™ and Amazon Alexa™ functionality require an internet connection as well as a Google or Amazon Account (as applicable). Apple AirPlay® requires a Wi-Fi connection. Controlling devices and features requires compatible smart devices. Subscriptions may be required to access certain content. Some features and services may be changed without notice. Depending on language, voice clarity and available content or source material, voice commands may not always deliver or respond to the requested command. Google is a trademark of Google LLC. Amazon, Alexa and all related logos and motions are trademarks of Amazon.com, Inc. or its affiliates. AirPlay is a trademark of Apple Inc.

13 Internet usage charges and conditions apply. WebOS internet browser supports AV1, HTML5, VP9 and HEVC, not for video streaming. Content and features will vary from time to time without notice.

14 Freeview uses HbbTV technology which combines broadcast & internet streaming. Data usage charges & conditions apply.

15 Subscription membership and high internet speed (25 mbps) required for content in 4K Ultra HD, otherwise content will be downsampled to either HD or SD quality based on the available bandwidth and time of day.

16 Hey Google, Apple HomeKit or Amazon Alexa enabled device required, sold separately.

17 Home Wi-Fi and LG ThinQ app required. Compatible with Android 7.0 (or later). Magic Tap feature compatible with NFC enabled Android phones.

18 Miracast compatible Android device required for this feature.

19 LG Thing App on compatible Android devices (Android 5.0+) and iOS devices (iOS 11+). Device must be in range, on the same Wi-Fi network as the TV.

20 Apple AirPlay 2® and HomeKit® requires a Wi-Fi connection. Controlling devices and features requires compatible smart devices. Subscriptions may be required to access certain content. Some features and services may be changed without notice. Depending on language, voice clarity and available content or source material, voice commands may not always deliver or respond to the requested command. AirPlay® and HomeKit® are trademarks of Apple Inc.

21 WiSA compatible speakers required. (Sold Separately)

22 Feature requires two matching compatible LG Bluetooth Speakers.

23 Designed to work with compatible LG audio devices only.

24 B1, QNED91, NANO91, NANO86, B6NANO75, 86UP80: HDMI ports 3 & 4 support HDCP 2.3, 120fps @ 2160p

25 The cable may be visible depending on installation environment. Depending on installation environment, there may be a slight gap between the TV and the wall.

All product specifications correct at time of printing. Specifications may change without prior notice. Customers are advised to check with your retailer before purchase.