

55P8L

TCL P8L 55" 4K UHD Mini LED Google TV *TV license*

Product Overview

TCL P8L UHD Mini LED Google TV - 55" Screen Size, 4K UHD Technology Type, 3840 x 2160 Panel Resolution, 16:9 Aspect Ratio, HVA Panel, 4K 144Hz Refresh Rate, HGL, HDR 10+, 2 x 10W Audio Power, Dolby Atmos, DTS Premium Sound, 2.0 Channel, Bluetooth 5.4 and Wi-Fi 5 Connectivity, Google TV OS, Slim and Unibody, Retail Box *TV license required*



Specifications

About this product

The TCL 55P8L 55 Inch UHD Mini LED Google TV delivers detailed 4K UHD picture quality with a 3840 x 2160 resolution, a 4K 144Hz refresh rate, HVA panel technology and HDR10+ support for enhanced viewing. Enjoy immersive entertainment with Dolby Atmos, DTS Premium Sound and 2 x 10W audio output, while Google TV provides access to compatible streaming apps and entertainment. With Bluetooth 5.4, Wi-Fi 5 connectivity and a slim unibody design, this TCL Smart TV is ideal for movies, series, gaming and everyday home entertainment. Buy the TCL 55P8L Mini LED Google TV online for an upgraded home viewing experience.

Overview Summary

TCL 55P8L 55 Inch 4K UHD Mini LED Google TV

The TCL 55P8L is a 55 inch Smart TV designed for home entertainment, combining 4K UHD resolution with Mini LED technology and an HVA panel. Its 3840 x 2160 resolution delivers detailed images, while the 16:9 aspect ratio suits modern television content. The stated 4K 144Hz refresh rate is a key feature for supported high-refresh-rate content and compatible gaming setups.

HDR10+ support helps deliver enhanced picture detail in compatible content. For sound, the television features 2 x 10W speakers, Dolby Atmos and DTS Premium Sound for an immersive entertainment experience. Google TV brings supported streaming services and apps together in one interface, while Wi-Fi 5 and Bluetooth 5.4 provide wireless connectivity for compatible devices.

Performance tier:Premium home entertainment

Uses:4K movie streaming, television programmes, sports viewing, compatible high-refresh-rate gaming, music and general home entertainment

Overview

The TCL 55P8L 55-inch 4K QD-Mini LED Google TV Experience stunning 4K UHD clarity on a QD-Mini LED QLED HVA panel, with a 144Hz native refresh rate, Dolby Vision, HDR10+, and 93% DCI-P3 colour coverage for vibrant, lifelike visuals.Game and stream smoothly with HDMI 2.1 connectivity, AMD FreeSync, Game Master features, and TCL AI-powered picture optimisation.Enjoy smart entertainment on Google TV with built-in Google Assistant, hands-free voice control, Wi-Fi 5, Bluetooth 5.4, and immersive Dolby Atmos sound.

Description

The TCL 55P8L UHD Mini LED Google TV is designed to bring high-resolution entertainment into your home. Its 55 inch screen and 4K UHD resolution of 3840 x 2160 pixels deliver detailed images for compatible films, series, sports and other video content. The HVA panel and 16:9 aspect ratio provide a modern widescreen viewing format suitable for everyday entertainment.

Mini LED technology and HDR10+ support are designed to enhance the viewing experience with compatible content. The stated 4K 144Hz refresh rate makes this television worth considering for users who want smooth motion and have compatible high-refresh-rate gaming equipment. Actual refresh rate and available gaming features depend on the connected device, input and supported signal.

Audio is delivered through 2 x 10W speakers, with Dolby Atmos and DTS Premium Sound support for compatible content. Google TV provides a central interface for supported applications and streaming services. Wi-Fi 5 enables wireless network connectivity, while Bluetooth 5.4 supports compatible wireless accessories.

Finished with a slim unibody design, the TCL 55P8L combines a contemporary appearance with smart entertainment

functionality. It is suited to living rooms, bedrooms and dedicated media spaces where a large 4K screen can be used for streaming, television viewing and compatible gaming.

Features

The TCL 55P8L combines high-resolution visuals, smart connectivity and enhanced audio features for everyday home entertainment.

- 55 inch screen: Provides a large viewing area for movies, series, sports and gaming.
- 4K UHD resolution: The 3840 x 2160 pixel resolution delivers detailed images with compatible content.
- Mini LED technology: Supports the television's picture performance and viewing experience.
- HVA panel: Provides the specified display panel technology for this model.
- 4K 144Hz refresh rate: Supports high-refresh-rate viewing when the content, connection and source device are compatible.
- HDR10+ support: Enables compatible HDR content to deliver enhanced picture detail.
- Google TV operating system: Brings supported streaming apps and entertainment content together in one interface.
- Dolby Atmos: Supports immersive audio formats in compatible content.
- DTS Premium Sound: Provides additional supported audio processing for compatible content.
- 2 x 10W audio output: Built-in speakers deliver a combined rated speaker output of 20W.
- Bluetooth 5.4: Supports wireless connections to compatible Bluetooth devices.
- Wi-Fi 5: Provides wireless network connectivity for supported smart TV features and streaming.
- Slim unibody design: Offers a streamlined appearance for modern home entertainment spaces.

Light and color, precisely where they belong

Mini LED technology featured in TCL TVs provides a brilliant backlight for remarkable visual clarity. Powered by advanced QLED technology, it delivers vibrant and lifelike colors

Master light and dark, capture intricate details

P8L's ground-breaking High-energy Light-emitting Chip significantly improves brightness and energy efficiency, reproducing natural bright and dark scenes with clarity.

More uniform brightness, a clearer picture

With the Optical Refractive Lens, it can greatly enhance the spotlight effect and improve halo control for clearer screen details.

Enriched dark and light details, more realistic image reproduction

Combined with human perception characteristics and picture pixel information, the lighting details are optimized for SDR and HDR signals, while the details and contrast of light and dark scenes are greatly improved. Enjoy more real lighting effects of streaming media resources on TCL TV.

No ghosting and more clarity

Transient response can prevent dark shadows, bright spots, and trailing caused by backlight lag in motion picture. It makes the motion picture sharper and enhances your viewing experience.

The more precise the backlight control, the clearer the

Powered by 22-bit backlight technology, precise control ensures smooth brightness levels and color gradients, delivering lifelike visuals with no banding.

Higher contrast, more details

HVA Panel technology employs nanoscale film-layer techniques to create a butterfly-wing-shaped liquid crystal molecular microstructure. This structure precisely controls the light passing through the liquid crystal layer, significantly improving the contrast of the panel.

Richer Colors, More Eco-Friendly

ComX Computers

Product Specification Sheet

TCL QLED features an upgraded Colorful Quantum Crystal material, whose more stable alloy structure delivers an ultra-long service life. Meanwhile, it adopts high precision wrapping technology to co-polymerize nanoscale quantum materials with organic materials in multiple layers, improving optical and color attributes and rendering better colors for you. And combined with the bionic color optimization technology, it brings you better color display effect.

Born to be proud

When connected to a 288Hz HDMI source, the refresh rate can be boosted to 288Hz. Moreover, the entire signal path supports a 4K 144Hz refresh rate, ensuring that fast-moving scenes remain crystal clear and fluid. This enhances the viewing experience for sports, action movies, and gaming, with reduced stuttering, tearing, and blurring. Whether you're running, racing, or shooting, victory is within reach, and the exciting moments are vividly captured.

A wisdom core that enhances multi-scenario experiences

TCL AI has developed a robust underlying hardware capability through independent research and development. It has created a quantum supercomputing platform that integrates a variety of self-developed professional models and has built an industry-leading Mariana database. This enables continuous deep learning and evolution of the TCL AI model. In addition, TCL AI deeply integrates many AI capabilities and has a large number of powerful scenario-based intelligent agents. It provides you with a smarter and more convenient audio-visual entertainment experience across four dimensions: AI image quality, AI interaction, and AI content generation.

A smart TV experience that's truly personalized for you

Go beyond just watching and ask Gemini to answer questions, play music, or even control your smart home devices.

Discover shows you'll love with help from your smarter voice assistant

Google TV puts 700,000+ movies, TV episodes, live channels and YouTube videos at your fingertips. Now with Gemini, your entertainment experience is more personalized than ever. Whether you're in the mood for a specific vibe or searching for a blockbuster, just ask.

Get answers you can watch from your smarter voice assistant

From learning new skills to quick facts, satisfy your curiosity just by asking Gemini. Get helpful responses supported by images and videos to turn your living room into a gateway for discovery.

TV as the central hub to your smart home

Chat with Gemini to control your TV, manage your smart home and get everyday information like the news, sports scores, commute times and more.

Dream It, AI Paints It

Create your own custom screensavers. Describe your idea to Gemini and see your vision come to life in 4K.

It perceives, it thinks, it produces

TCL's self-developed AiPQ Processor, incorporates numerous TCL's unique image quality tuning algorithms. This chip has excellent intelligent sensing capabilities and can make pixel-level adjustments to the image quality, thus providing a top-notch viewing experience.

AI Contrast

Perceive the brightness information of each image in the TV picture, and combine the brightness characteristics of the viewing environment to intelligently adjust the contrast of the picture to make the bright and dark details clearer.

AI Color

Intelligently identify the color characteristics of the picture, and carry out dynamic color calibration and skin tone protection, bringing more vivid color performance, allowing users to get an immersive experience when playing games or viewing movies.

AI Clarity

ComX Computers

Product Specification Sheet

Powerful data models accurately parse each frame of images, and perform pixel-level optimization on flawed images, so that even low-score images can present high-resolution image quality effects.

AI Motion

Powered by TCL AiPQ Processor, MEMC detects fast-moving objects sensitively in their size and position in the image, just to restore the silky-smooth image in compensating for blurring and tearing in the exciting sports, games, and movies.

AI HDR

AI HDR makes your TCL TV incredibly intelligent in decoding multiple HDR formats. It's not just about natural colors, brightness, and darkness, what you see is exactly what the content developer intended when creating it.

Ready for a long journey

With low blue light, overclocking flicker-free, ambient light adaptation, MEMC motion stabilization, and natural light protection technologies, the P8L continues to protect your eyes*. All you need to do is enjoy movies and games.

Defining the standard for home theater

TCL P8L combines the power of ONKYO's 2.1 CH Hi-Fi. Immerse yourself in the captivating stereo sound and thunderous bass, capturing every detail as if you were at a live band performance. Elevate your home theater experience with unparalleled audio excellence.

Huge waves, ground trembled

The P8L is equipped with a independent, overweight bass units at the back. The sound structure is constructed using high-end hardware materials, delivering a powerful and immersive audio experience.

Virtualized 3D sound

DTS Virtual:X(TM) makes enveloping sound that appears to emerge above, beside, and behind you, providing an immersive experience in any room.

Theatrical sound enjoyment

Dolby Atmos transcends conventional channel limitations to deliver three-dimensional audio. You can experience astounding clarity, increased emotional impact, and immersive, room-filling sound.

Embrace the artistry of uni-body design

With its metallic bezel-less design, TCL P8L effortlessly integrates into any environment, turning your home into a captivating masterpiece. Experience the perfect fusion of art and technology.

What's in the Box

- 1 x TCL 55P8L 55 Inch UHD Mini LED Google TV

Additional accessories, cables, batteries and documentation have not been confirmed in the supplied product information.

Specifications

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Specifications	
Product Code	55P8L
Basic Properties	
Brand	TCL

ComX Computers

Product Specification Sheet

Category	TV
Family	P
Series	P8L
Customer Model	85P8L
Leading Country/Region	LA
Year	2026
Product Type	
Flat/Curved	Flat
Screen Type	LCD
Technology Type	QD-Mini LED Dimming
Panel Type	HVA Panel
General Information	
Operation System	Google TV
Hands-free Voice Control	Yes
Google Assistant Built-in	Yes
IMAX Enhanced	No
Audio	
Audio Power	2*10W+20W
Dolby Atmos	Yes
DTS Premuim Sound	DTS Virtual X
Sound Channel	2.1 Channel
Display	
Color Gamut	93% DCI-P3
Resolution	4K UHD
Panel Resolution	3840*2160
Aspect Ratio	16:: 9
Refresh Rate	4K 144Hz
Dolby Vision	Dolby Vision
HLG	Yes
HDR 10+	Yes
System Brightness (cd/m2)	450nits (typ)
Smart Service	
Game Master	Yes
Miracast (Wireless Display)	Yes
Quick Settings	Yes
Connectivity	
BlueTooth	BT5.4

Wi-Fi	WiFi 5
HDMI Version	HDMI2.1
HDMI2.1 (eARC&ARC)	Yes
HDMI CEC	Yes
AMD FreeSync	Yes
Dimansions & Weight	
VESA Wall-mounting (mm)	600*400 (mm)
Set Size with Stand (WxHxD) (mm)	1889.6*1152*372
Set Size without Stand (WxHxD) (mm)	1889.6*1086*63
Stand (Basic) (WxD)	1477.5*372
Package Dimensions (LxWxH)	2060*190*1260
Net Weight With Stand (Kg)	31
Net Weight Without Stand(Kg)	30.3
Gross Weight With Packaging (Kg)	48

FAQ

What is the screen size and resolution of the TCL 55P8L?

The TCL 55P8L has a 55 inch screen with a 4K UHD resolution of 3840 x 2160 pixels and a 16:9 aspect ratio.

Does the TCL 55P8L support a 144Hz refresh rate?

The supplied specifications list a 4K 144Hz refresh rate. Confirm the supported refresh rate for your intended device and connection before purchasing, as performance depends on compatible input hardware and supported signals.

Does the TCL 55P8L support HDR?

Yes. The supplied specifications list HDR10+ support for compatible high dynamic range content.

Does the TCL 55P8L have Google TV?

Yes. It uses the Google TV operating system, which provides access to supported applications and streaming services. App availability and some features may depend on your region, account and internet connection.

Does the TCL 55P8L support Dolby Atmos?

Yes. Dolby Atmos and DTS Premium Sound are listed among its audio features. The audio experience depends on the content and compatible playback configuration.

How powerful are the built-in speakers?

The television has 2 x 10W speakers, with a specified 2.0 channel audio configuration.

Can I connect wireless devices to the TCL 55P8L?

The television supports Bluetooth 5.4 and Wi-Fi 5. Bluetooth compatibility depends on the accessory, while Wi-Fi enables supported network features and streaming.

Is the TCL 55P8L suitable for gaming?

Its 4K UHD resolution and stated 4K 144Hz refresh rate make it worth considering for compatible gaming systems. Check the console or PC output capabilities and the television's supported input specifications to confirm the refresh rate and gaming features available.

What should I check before wall mounting the TCL 55P8L?

Confirm the television's VESA mounting pattern, weight and compatible mounting hardware before installation. These details were not included in the supplied product specifications.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/55P8L-TCL-P8L-55-4K-UHD-Mini-LED-Google-TV-TV-license-Buy-p-341727.php>

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