TCL Q7 55Q7D Pro 139.7 cm (55") 4K Ultra HD Smart TV Wi-Fi 2000 cd/m²

Gamintojas: **TCL** · Modelis: **55Q7D PRO** · Prekės kodas: **928205**

757,90 €

Kaina su PVM

Be PVM: **626,36 €**

Sandėlyje

Prekė internetu
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Pagrindinės savybės

- ✓ Up to 100% BT.2020 All Scenes Wide Color Gamut
- ✓ 480 Precise Dimming Zones
- ✓ Up to HDR 2,000nits
- ✓ HVA 2.0 Pro Panel
- ✓ Onkyo 2.1 Hi-Fi System
- ✓ 144Hz Native Refresh Rate
- ✓ TSR AiPQ Processor

Aprašymas

Welcome to the pinnacle of display technology

New era of SQD-Mini LED

TCL SQD-Mini LED represents a revolutionary leap in Mini LED technology. It transforms conventional local dimming into Precise Dimming Zones, delivering unrivaled performance in both brilliant highlights and deep shadows. Synergized with TCL's world-leading Super QLED and an Ultra Color Filter Panel, it achieves ultimate color, light control, brightness, and design. It firmly establishes itself as the undisputed pinnacle of display technology.

Five advantages

define the pinnacle of display technology

Pateikta prekės informacija yra orientacinio pobūdžio. Techninės savybės, nuotraukos, aprašymai ir kaina gali keistis be išankstinio perspėjimo. Gamintojas ir pardavėjas neatsako už galimus duomenų neatitikimus ar tipografines klaidas. Prieš įsigyjant rekomenduojame pasitikrinti aktualią informaciją.

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All Scenes Wide Color Gamut
Pure and stable colors for all scenes — monochrome or colorful, it's always stunning!
With Super Quantum Dot technology, SQD-Mini LED produces ultra-pure white light, guaranteeing exceptional stability and performance for all scenes.

Precise Color Control

In SQD-Mini LED TVs, adjacent zones emit white light without interference, effectively eliminating color cross-talk. Combined with superior light control technology, this significantly reduces color shift and blooming, ensuring colors remain vivid.

More Dimming Zones

As a key determinant of Mini LED picture quality, a higher number of local dimming zones delivers superior contrast.

Higher Brightness

As another key determinant of Mini LED picture quality, higher peak brightness reveals rich details in both highlights and shadows.

Thinner

The thinner the design, the more it elevates your living space.
SQD-Mini LED features the micro-OD, enabling an extremely slim design.

480 Precise Dimming Zones

TCL All-domain Halo Control Technology

Deeper Blacks, Higher Brightness
Precise Dimming Series refers to Mini LED TV with all-domain halo control technology. The new generation of Powerful Light-emitting Chip, Super Condensed Micro Lens and Micro-OD make the light shape of individual zones more perfect, and its halo control ability is several times that of ordinary zones. Combined with the CSOT HVA 2.0 panel technology with higher native contrast ratio and the world's leading Light and Shadow Control Algorithm, Precise Dimming Series shapes the real light and shadow so that the TV's comprehensive picture quality performance is dramatically improved compared to ordinary TVs, bringing an upscale image experience.

All-domain Halo Control Technology

Powerful Light-emitting Chip

Master Light and Dark, Capture Intricate Details
Compared with the previous generation of conventional light-emitting chip, Q7D Pro's ground-breaking Powerful Light-emitting Chip significantly improves brightness and energy efficiency, reproducing natural bright and dark scenes with clarity.

All-domain Halo Control Technology

Super Condensed Micro Lens

Micro Lens Technology, Macro Light Mastery
TCL's self-developed super condensed micro lens technology precisely controls light direction through its arch bridge dimming design. Its selection of nano-optical materials with greater plasticity form a golden curvature with super light-focusing properties, and precisely controls light point by point, greatly improving the backlight uniformity and halo control capabilities, making the picture details clearer.

All-domain Halo Control Technology

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Micro-OD

Better Image Quality, Thinner Body
With TCL's powerful Mini LED optical technology, Q7D Pro delivers an astonishing Micro-OD. It not only offers a slimmer TV unit but also significantly reduces the Mini LED halo issue by working with the super condensed micro lens and ultra-high zoning, giving the stars in the night sky a deep, delicate, and sharp look.

All-domain Halo Control Technology

Light and Shadow Control Algorithm
Enriched Dark and Light Details, More Realistic Image Reproduction

CSOT HVA 2.0 Panel Technology

An excellent partner for Mini LED TV
CSOT HVA 2.0 Panel technology stands at the forefront of the industry. By upgrading to a new Ultra Color Filter and adopting a unique butterfly-wing liquid crystal molecular arrangement, this innovation enables precise control of the light passing through the liquid crystal layer. As a result, dark areas appear deeper and bright areas more transparent, significantly boosting the screen's contrast ratio and delivering a more vivid, immersive visual experience.

Up to HDR 2000nits

Ignite Your Senses With Brightness
With 2000nits peak brightness, Q7D Pro easily handles high-spec HDR content such as Dolby Vision movies and next-gen games. Explosions glow with more palpable heat, and the night sky gains extra depth and detail, delivering a powerfully immersive experience for both films and gaming.

HVA 2.0 Pro Panel

The Golden Partner of High-end Mini LED
Powered by CSOT's latest technology, the HVA 2.0 Pro Panel represents a generational leap in performance. It features a significantly upgraded Color Filter that ensures unprecedented precision in color reproduction. At the core, the panel utilizes nanoscale bionic technology. By integrating polyimide into the liquid crystal molecules, a unique butterfly-wing microstructure is formed. This design enables precise control over light transmission, delivering a dramatic boost in native contrast. Complemented by a nanoscale low-reflection film, the display minimizes glare to present a pristine image with razor-sharp details.

288 VRR Game Accelerator*/144Hz Native Refresh Rate
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.

ONKYO 2.1 Hi-Fi System
Defining the Standard for Home Theater
The Q7D Pro is equipped with independent, overweight bass units at the back. The sound structure is constructed using high-end hardware materials, delivering a powerful and immersive audio experience.

ONKYO Subwoofer
Huge Waves, Ground Trembled
The Q7D Pro is equipped with independent, overweight bass units at the back. The sound structure is constructed using high-end hardware materials, delivering a powerful and immersive audio experience.

Dolby Atmos
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.

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DTS:X

Marks All the Spots

DTS:X immersive audio places sound where it would occur naturally in space, creating the most lifelike, multi-dimensional audio experience ever.

TCL AI

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 sound quality, AI interaction, and AI content generation.

AI Gaming

Smarter Gaming, Bigger Wins

Gamebar

All Your Power-ups on One Screen

Gamebar has customized exclusive screen design for the three major mainstream gaming consoles, bringing the game vibe to the fullest. Gamebar integrates many practical tools and game modes, allowing you to make personalized game settings and stack up BUFFs at the start.

AI Art

Beyond Screen, Beyond Imagination

Digital Art

Explore your styles

We have more than 100,000 pre-generated AI artworks from classical style to impressionism. Just tap on the style and theme, and you get to personalize your screen to your style in seconds.

TSR AiPQ Processor

Computational Image Quality

The TSR AiPQ Processor is a highly intelligent chip that boasts powerful AI capabilities. It integrates TCL's proprietary image-tuning algorithms and is equipped with advanced intelligent perception capabilities that enable it to deliver pixel-level optimization for visuals. Combined with TCL AI model, it ensures every frame bursts with vibrant dynamism, layered depth, and natural clarity for lifelike realism.

More Fun With TCL

Google TV

Entertainment you love. With a little help from Google.

Browse 400,000+ movies and TV episodes, from across your streaming services — in one place, and organized by the genres and topics that interest you the most.

Simple and Elegant

A Masterpiece on Your Wall

Thanks to the adoption of the precise dimming, the Q7D Pro achieves an ultra slim design, mounting on the wall as a masterpiece of home decor, turning your home into a new space for art.

Techninė specifikacija

Display	
Display diagonal	139.7 cm (55")
HD type	4K Ultra HD

Display resolution	3840 x 2160 pixels
Display technology	SQD-Mini LED
Screen shape	Flat
Native aspect ratio	16:9
Display brightness	2000 cd/m²
LED backlight	Yes
LED backlighting type	Mini LED
Native refresh rate	144 Hz
Display refresh rates supported	120 Hz, 144 Hz, 48 Hz, 288 Hz, 60 Hz
Display number of colours	1.07 billion colours
Viewing angle, horizontal	178°
Viewing angle, vertical	178°
Colour gamut standard	Rec. 2020
Smart TV	
Smart TV	Yes
Internet TV	Yes
Operating system installed	Google TV
Apple AirPlay 2 support	Yes
Smart modes	Vivid, Sports, Filmmaker, Standard, Movie, Game, PC, Auto AI, IMAX Enhanced
Audio	
RMS rated power	40 W
Audio output channels	2.1 channels
Built-in subwoofer	Yes
Subwoofer RMS power	20 W
Audio decoders	Dolby Atmos, DTS Virtual:X, DTS:X
Sound modes	Dynamic, Standard, Movie, Music, Sports, Game, Voice
Network	
Wi-Fi	Yes
Bluetooth	Yes
Ethernet LAN	Yes
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)
Bluetooth version	5.4
Miracast	Yes
Design	

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VESA mounting	Yes
Panel mounting interface	300 x 300 mm
Frameless design	Yes
Introduction year	2026
Stand type	Center stand
Performance	
High Dynamic Range (HDR) supported	Yes
Noise reduction	Yes
High Dynamic Range (HDR) technology	Dolby Vision, High Dynamic Range 10+ (HDR10 Plus), Hybrid Log-Gamma (HLG), Dolby Vision IQ, High Dynamic Range 10 (HDR10)
Subtitles function	Yes
Video formats supported	AV1, MKV, WMV, VC-1, VP9, VP8, MPEG1, MPEG2, MPEG4, H.264, H.265
Audio formats supported	MP3, WMA
Image formats supported	BMP, JPEG, PNG, HEIF
Video compression formats	H.264, H.265, MPEG1, MPEG2, MPEG4, VC1, VP8, VP9, WMV, AV1, MKV
Backlight dimming technology	Precision Dimming
Picture processing technology	TSR AiPQ Processor
Processor cores	4
AMD FreeSync	Yes
AMD FreeSync type	FreeSync Premium Pro
Game features	Game Master, Auto Low Latency Mode (ALLM), Variable Refresh Rate (VRR)
Parental control	Yes
Ports & interfaces	
PC in (D-Sub)	No
Common interface (CI)	Yes
HDMI version	1.4/2.0/2.1
HDCP	Yes
HDCP version	1.4/2.2
Ethernet LAN (RJ-45) ports	1
Digital audio optical out	1
RF ports quantity	2
RF connector type	F, IEC
Consumer Electronics Control (CEC)	T-link
Management features	
Electronic Programme Guide (EPG)	Yes

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Works with the Google Assistant	Yes
Power	
Power consumption (typical)	260 W
Power consumption (standby)	0.5 W
Energy efficiency class (SDR)	E
Energy efficiency class (HDR)	G
Energy consumption (SDR) per 1000 hours	64 kWh
Energy consumption (HDR) per 1000 hours	250 kWh
AC input voltage	220 - 240 V
AC input frequency	50/60 Hz
Energy efficiency scale	A to G
Technical details	
RAM capacity	3 GB
Internal memory	64000 MB
Processor	MT9653
Brand-specific features	
TCL technologies (AV/TV)	Onkyo Sound, HVA Screen, Google Cast, Chromecast Built-In
Weight & dimensions	
Width (with stand)	1228 mm
Depth (with stand)	270 mm
Height (with stand)	760 mm
Weight (with stand)	14.5 kg
Width (without stand)	1228 mm
Depth (without stand)	56 mm
Height (without stand)	710 mm
Weight (without stand)	13.3 kg
Stand width	29.5 cm
Stand depth	27 cm
Packaging data	
Package width	1400 mm
Package depth	875 mm
Package height	150 mm
Package weight	19 kg
Packaging content	

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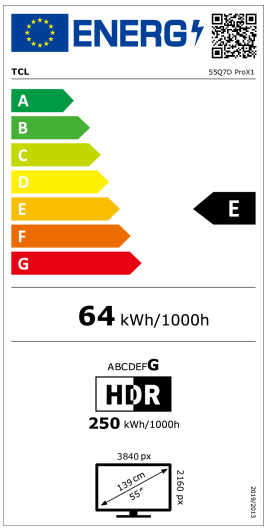
Desktop stand	Yes
Cables included	AC
Remote control included	Yes
Remote control type	RC833A
Logistics data	
Products per intermodal container (20ft)	126 pc(s)
Products per intermodal container (40ft, HC)	380 pc(s)
Other features	
Processor architecture	ARM Cortex-A73

Energijos efektyvumas ir ekologinis projektavimas



Energijos efektyvumo klasė **E** A–G

- Energijos etiketė
- EPREL duomenų bazė

Gamintojo ir saugos informacija

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