

TCL
INSPIRE GREATNESS

TCL

WORLD'S LARGEST QD-MINI LED TV

TCL IS THE GLOBAL LEADER IN THE TELEVISION INDUSTRY



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*Global sales 2024. All figures are subject to audit. All prices are subject to change without any prior notice.

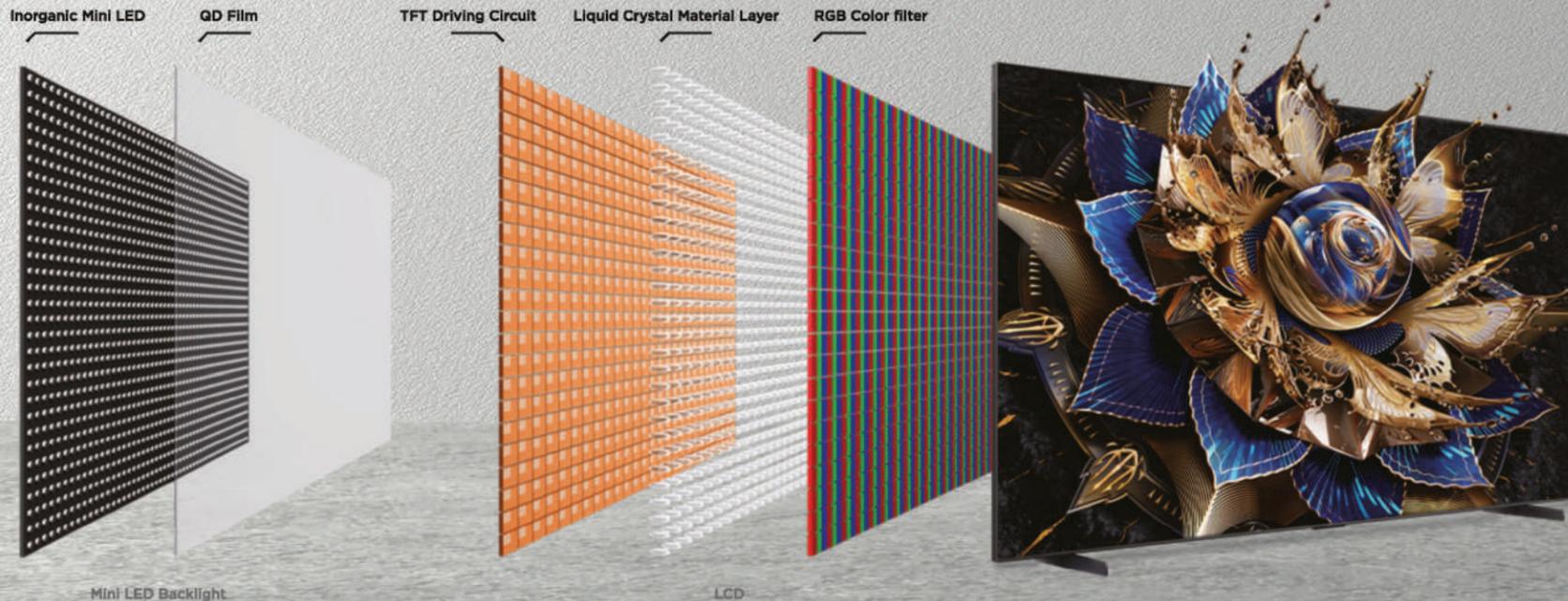


Mini LED TV is the best choice

QD-Mini LED, the next-gen of large-screen display

TCL's QD-Mini LED combines the merits of QLED and OLED technologies, transforming the traditional backlight into lighting that is close to pixel-level precision. It also utilizes the world's leading QLED technology, offering contrast and color gamut comparable to OLED, while also providing higher peak brightness and a longer lifespan. This represents the future technology of large-screen displays.

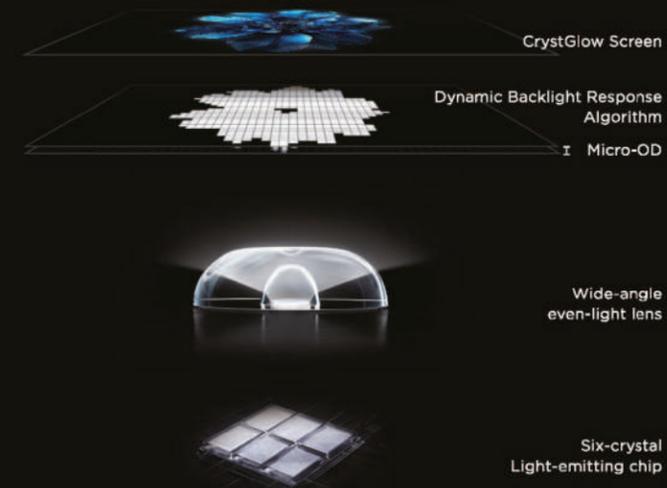
- HDR 5000nits**
Ultra-high peak brightness
- 50000000:1**
Ultra-high contrast
- 98% DCI-P3**
Ultra-high color gamut
- 10 Years**
Without fading



TCL has mastered the core technology of Mini LED TV



TCL All-domain Halo Control Technology No halo, better picture



TCL's World-leading QD-Mini LED TV

- 2019 : World's first mass-produced QD-Mini LED TV X10
- 2021 : World's first OD Zero QD-Mini LED TV X925 Pro
- 2022 : World's first "double 2000" QD-Mini LED TV C935
- 2023 : World's first "double 5000" QD-Mini LED TV X955
- 2023 : World's largest QD-Mini LED TV 115" X955 Max

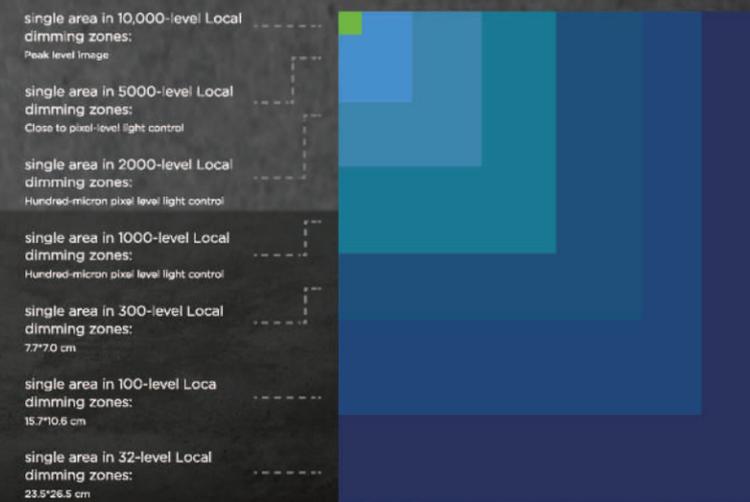


Local dimming zone and peak brightness are core indicators of Mini LED TV picture quality

More local dimming zones offer astounding high contrast

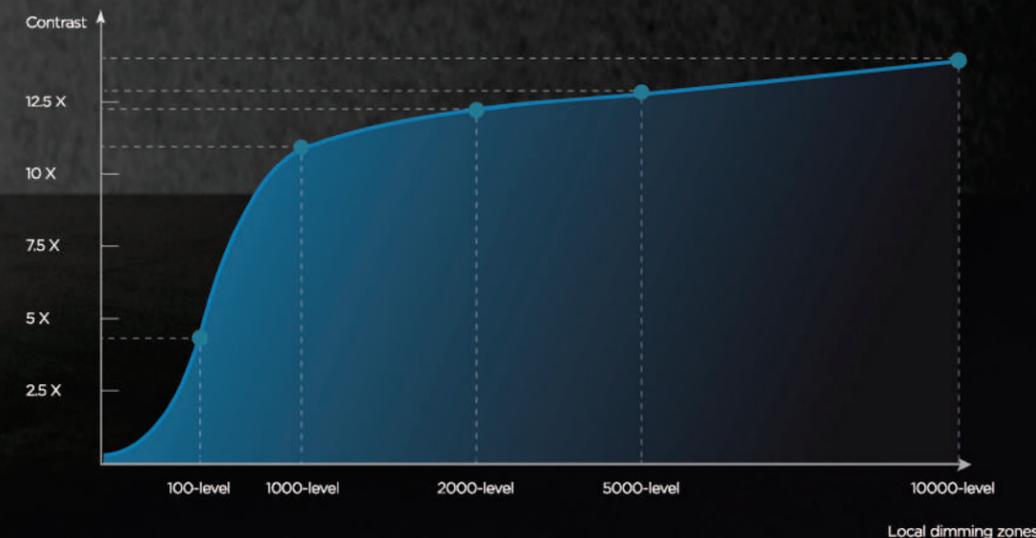
Local dimming zone comparison chart

(85-inch TV as an example)



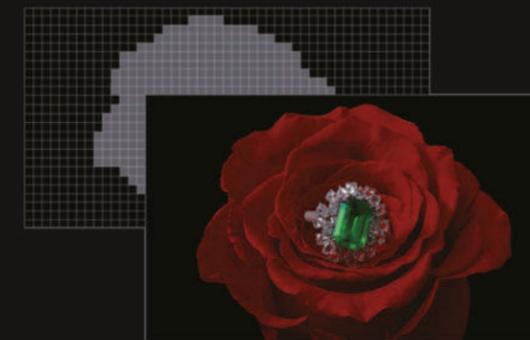
Local dimming zone division contrast curve

(85-inch TV as an example)



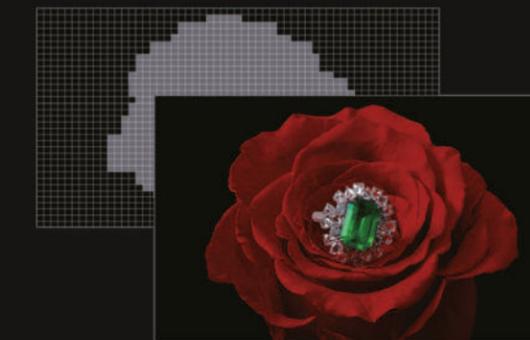
300-level local dimming zones

Picture quality greatly improve



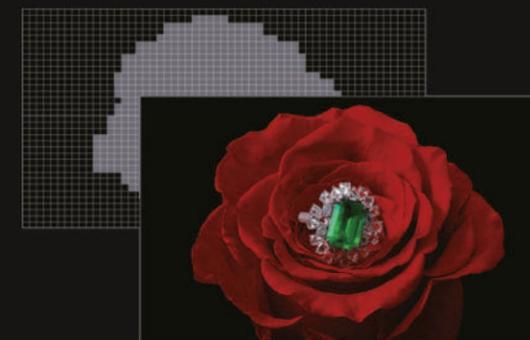
1000-level local dimming zones

Picture quality close to OLED



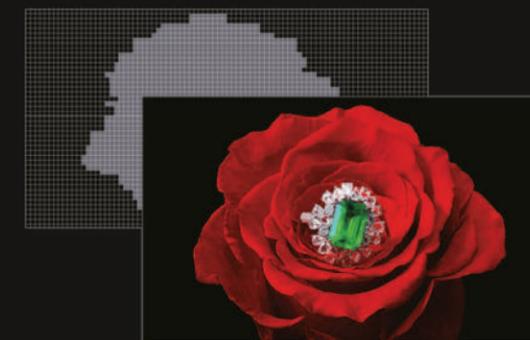
2000-level local dimming zones

Picture quality comparable to OLED



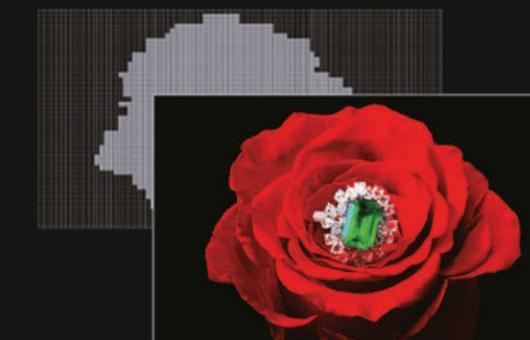
5000-level local dimming zones

Picture quality beyond OLED



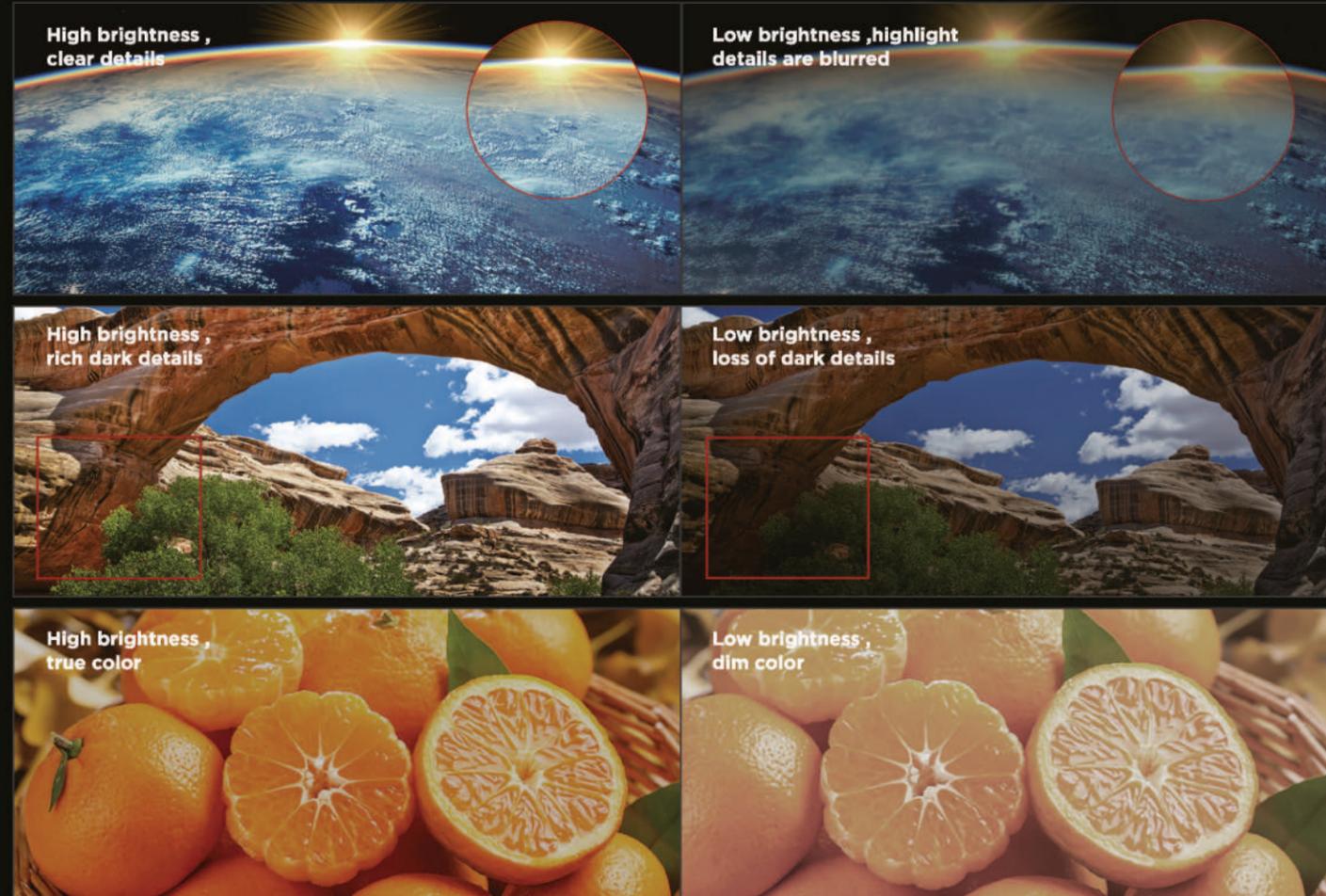
10000-level local dimming zones

Peak picture quality



Local dimming zone and peak brightness are core indicators of QD-Mini LED TV picture quality

The peak brightness restores the specificity and true color



Higher peak brightness offers rich light and dark details



In addition to zones and peak brightness ,halo control technology is the core of a great Mini LED TV

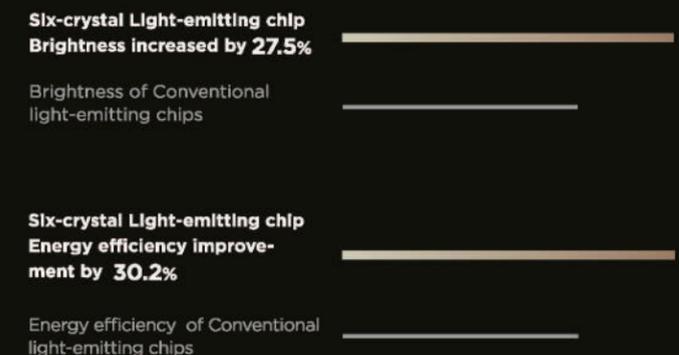
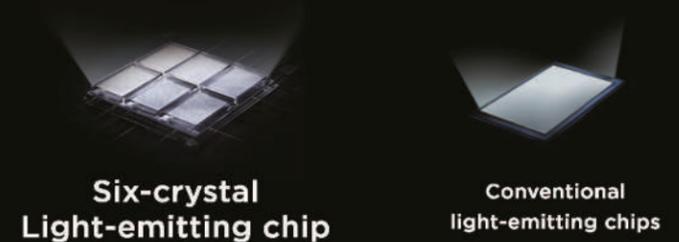
TCL's all-domain halo control technology leads in halo control capability.

TCL's All-domain Halo Control Technology covers the entire process from light generation to imaging. Through precise system-level light control, it effectively solves the halo problem, delivering a top-tier imaging experience.



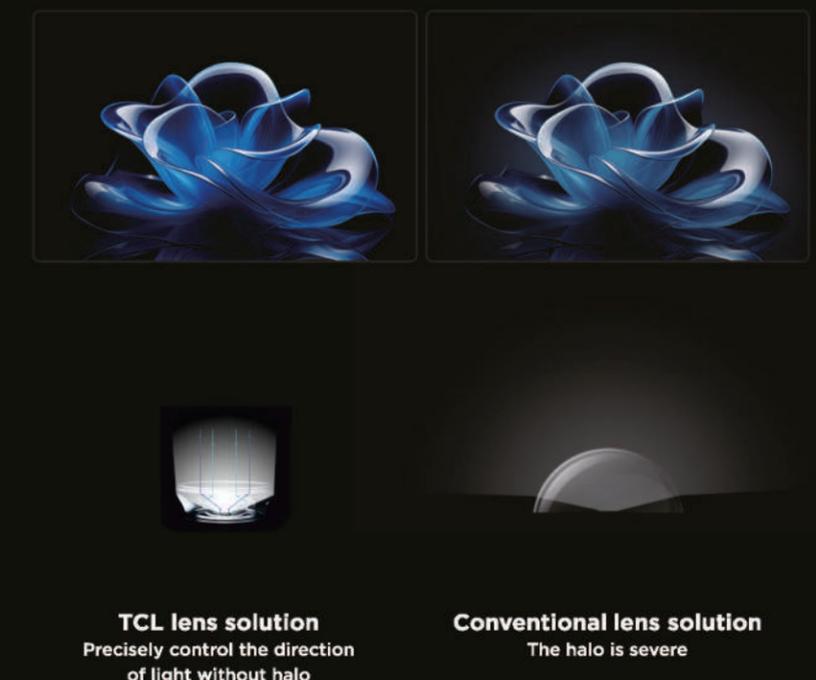
Six-crystal Light-emitting chip

Compared with traditional single-core light-emitting chips, TCL uses the industry's breakthrough 6-core LED chip, which brings a 27.5% increase in brightness and a 30.2% increase in energy efficiency. Combined with 16-bit ultra-precision backlight control, presenting more bright and dark specifics.



Wide-angle even-light lens

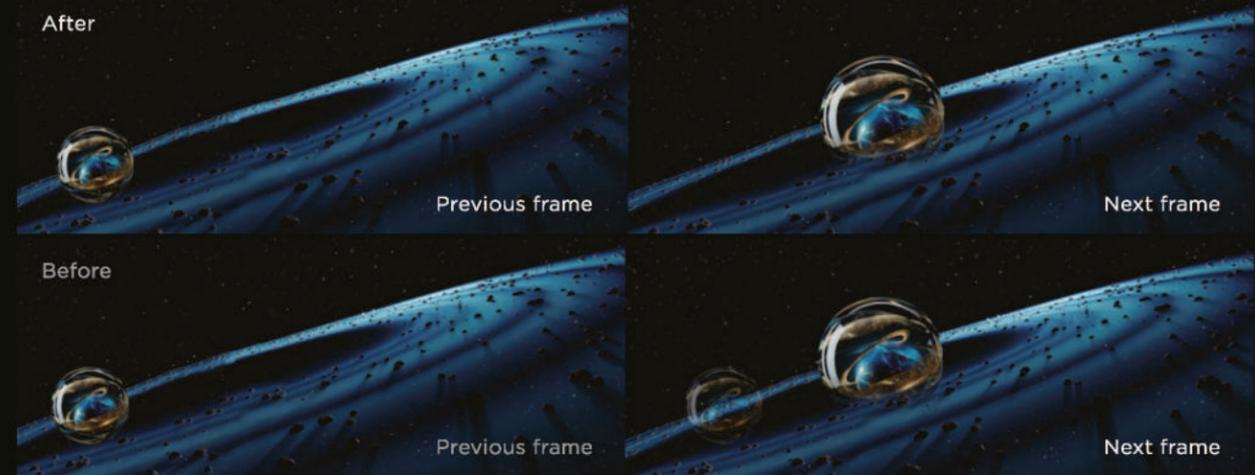
TCL's wide-angle even-light lens adopts a double-layer arch bridge design, which allows the light to gather more accurately and increases brightness. There is almost no overflow in the interval, greatly improving the uniformity of the backlight. Carefully selected yellowing-resistant optical materials increase optical stability by 8 times, resulting in clearer picture details.



In addition to zones and peak brightness, halo control technology is the core of a great Mini LED TV

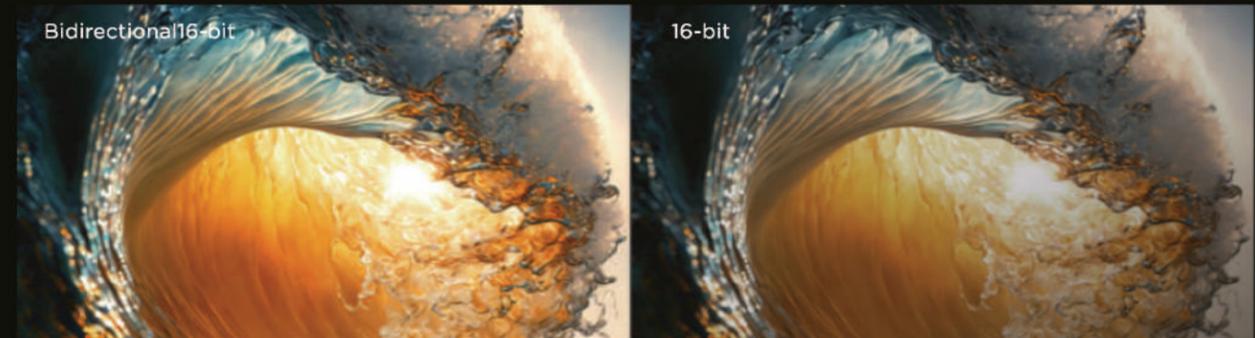
Transient Response

Transient response avoids dark shadows due to backlight lag, making the picture clearer and improving your viewing experience



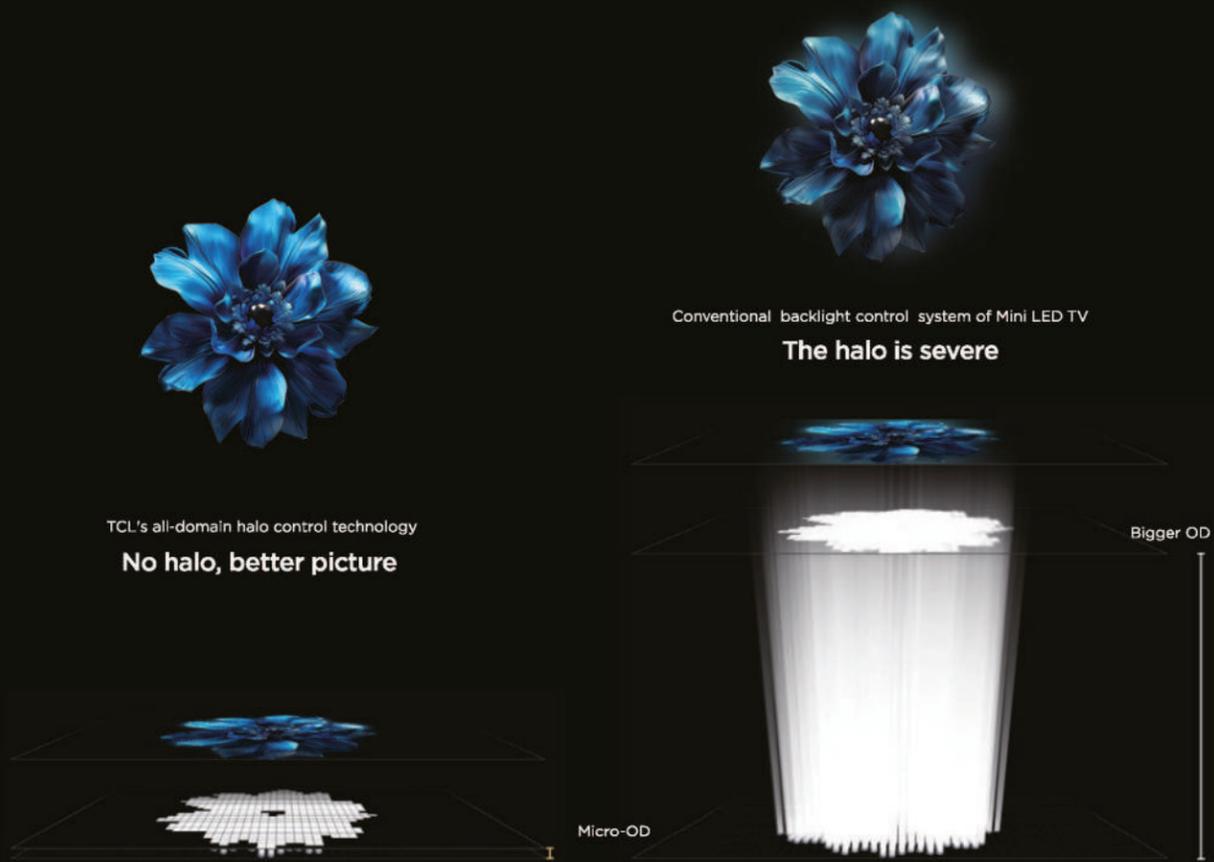
Bidirectional 16-bit

The bidirectional 16-bit technology has the ability to perceive the brightness and color temperature. Combined with backlight control technology, it achieves 65000 precise levels of light control, making the picture more vibrant and colorful.



Micro-OD

The Micro-Optical Distance technology makes the TV appear thinner. In conjunction with the super-concentrating micro lens and ultra-high partition, it solves the Mini LED halo problem, making the picture details more refined.



The VA screen has a high native contrast ratio, which is the best screen choice for Mini LED TV

The native contrast ratio is a key indicator for measuring a screen's display capability. The contrast is determined by the structural differences in the liquid crystal molecules. VA screens, which have superior light control capabilities, can enhance screen quality when combined with TCL's self-developed lenses, high-efficiency light-emitting chips, micro-OD, backlight control algorithm, and ultra-high Mini LED backlight zoned light control. This precise control of the backlight of Mini LED TVs helps make the screen more visually appealing and the details clearer.

CrystGlow Screen

7000:1
Ultra-high native contrast ratio

CrystGlow is made of high-molecular polyimide material. The liquid crystal molecules are arranged in a butterfly-wing shape while perpendicular to the electric field. It has extremely high light-shielding ability and high contrast.

HVA Screen

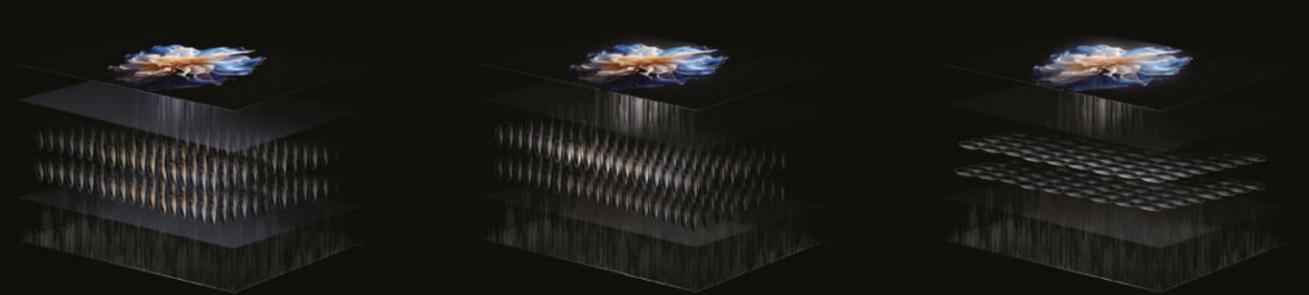
5000:1
Higher native contrast

The vertical electric field of liquid crystal molecules has high light-shielding ability and high contrast.

Conventional IPS Screen

1200:1
Lower native contrast

Liquid crystal molecules are arranged parallel to the electric field, having poor light-shielding ability and low contrast.



*Relevant data comes from TCL laboratory, and there may be deviations in relevant results under different testing environments.

TCL's world-leading QLED PRO technology

QLED PRO is the best color technology for large-screen TVs

TCL's Quantum Dot Pro uses a brand-new quaternary quantum crystal material, which ensures effective light emission for 100,000 hours. It has a super high color gamut of 98% DCI-P3 and adopts ultra-high precision packaging technology, resulting in a 25% increase in brightness and a professional color accuracy of $\Delta E < 0.99$, obtaining better optical properties.

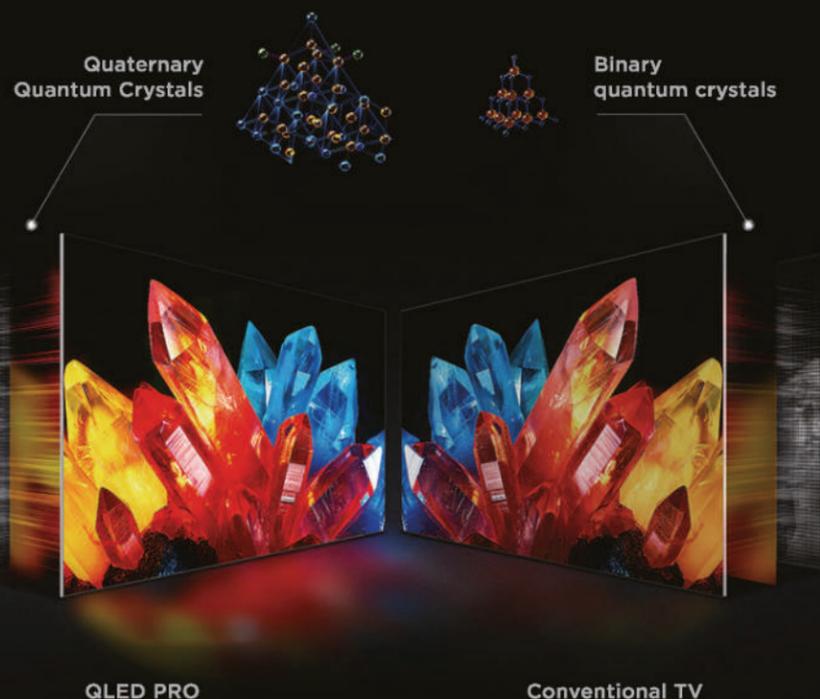
- 98% DCI-P3**
Ultra-high color gamut
- $\Delta E < 0.99$**
Accurate Color
- 25%**
Brightness Increase
- 10 Years**
Without fading
- Quaternary**
Quantum Crystals
- QLED**
technology pioneer



*Relevant data comes from TCL laboratory, and there may be deviations in relevant results under different testing environments.

Quaternary Quantum Crystals

Quaternary quantum dot materials, compared to ordinary ones, are upgraded from two to four elements. This enhances the structural performance of these quaternary alloys. Additionally, a new passivation layer added to the shell results in higher brightness and richer color performance.

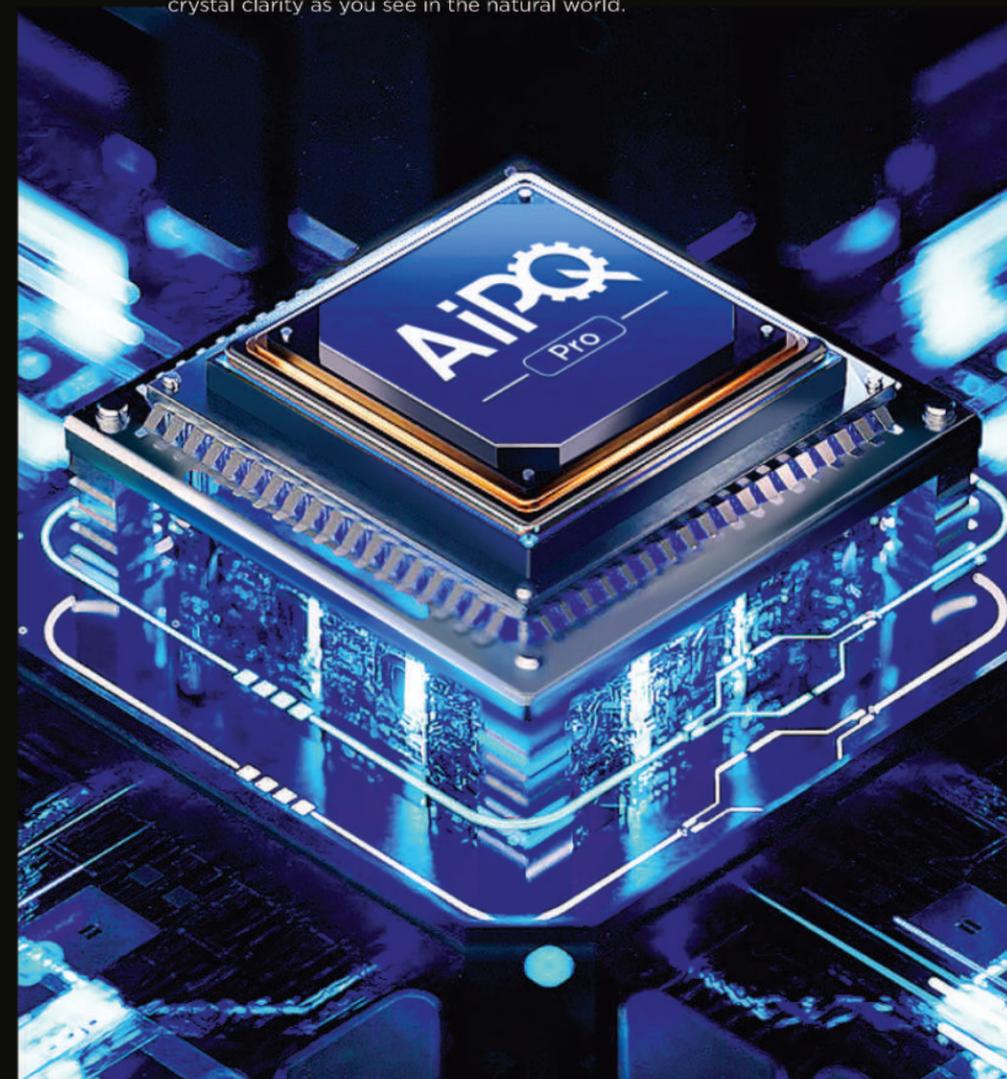


AI-Powered Experience

AiPQ PRO PROCESSOR

A Clever mind spoils your eyes

This is an AI picture quality processor that perceives and thinks like a clever mind to capture every detail in the real world into its rich database and to perform simulation and optimization based on human recognition. It Finally reproduces visual outputs based on vibrant color, excellent contrast, and crystal clarity as you see in the natural world.



AI Customization



Ai-Contrast

Perfectly balanced light and shadow

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

True Color inspired by the creator

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

Crystal clear vision than ever

Powerful Ai 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-HDR

Full range of HDR

The Powerful TCL Ai-HDR supports almost all HDR formats such as Dolby Vision, HDR 10+, HDR10, HLG, etc. And plus, it could upscale SDR to HDR by enhancing the picture quality in movies and shows with a wider range of colors with brighter highlights.



Ai-Motion

Actional scences and smooth details

Powered by TCL AiPQ PROCESSOR PRO, Ai-MEMC detects fast-moving objects sensitively in their size and position in the image, it calculates motion in terms of frame number with up to 144Hz VRR and 120Hz MEMC, just to restore the silky-smooth image in compensating for blurring and tearing in the exciting sports, games, and movies.



Ai-Scene

More immersive experience

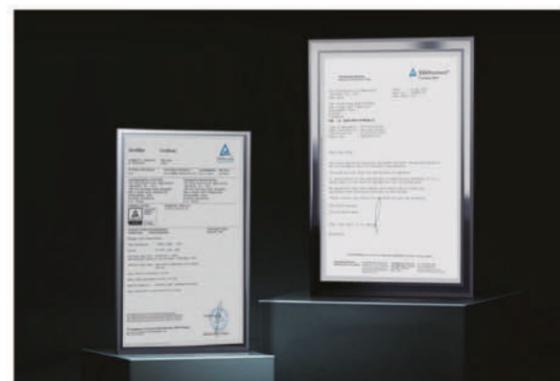
TCL Ai-Scene has powerful intelligent perception capabilities. It performs outstanding recognition, scene analysis, and algorithm tuning of image content to achieve pixel-level image optimization, bringing you a more immersive viewing, sports, and gaming experience.

TCL Multiple Eye Care

Comprehensive eye protection

TÜV Authoritative eye protection certification

A more eye-friendly display



Dual hybrid dimming

Dual dimming, no screen flicker, clearer



Blue light resistance

Professional anti-blue light, healthier eyes



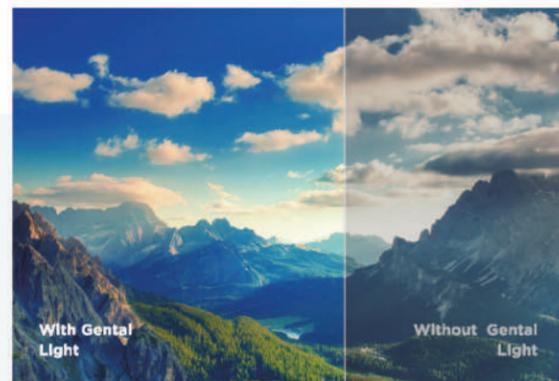
Ambient light adaptive

Very clear during the day, not dazzling at night



Gentle Light

More Gentle Light and more comfortable viewing



MEMC

The picture does not shake and the image has no tailing.



TCL Gaming TV

PLAY LIKE A PRO



- Ultra-large screen gaming TV, wider field of view, more immersive gaming
- QD-Mini LED high-end professional display technology restores game scenes more realistically
 - Game Master
- Game on the Official TV of Call of Duty
 - AMD FreeSync Premium Pro
 - Gaming in Dolby Vision
 - HDR 10+ Gaming

Google TV

Just For You

Everything in one place

Connect the world



Kids Profile

A safe playground



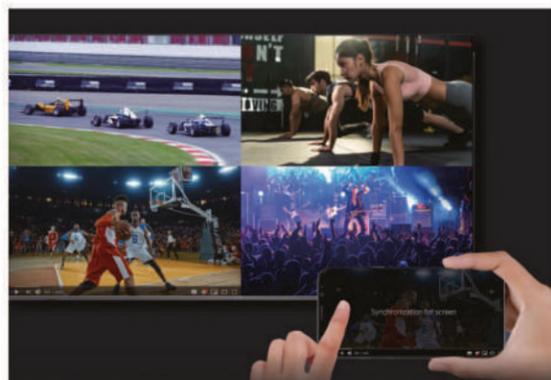
Hey Google

Help on your big screen



Multi View 2.0

A multi-tasking TV at your service



Homekit & Airplay 2

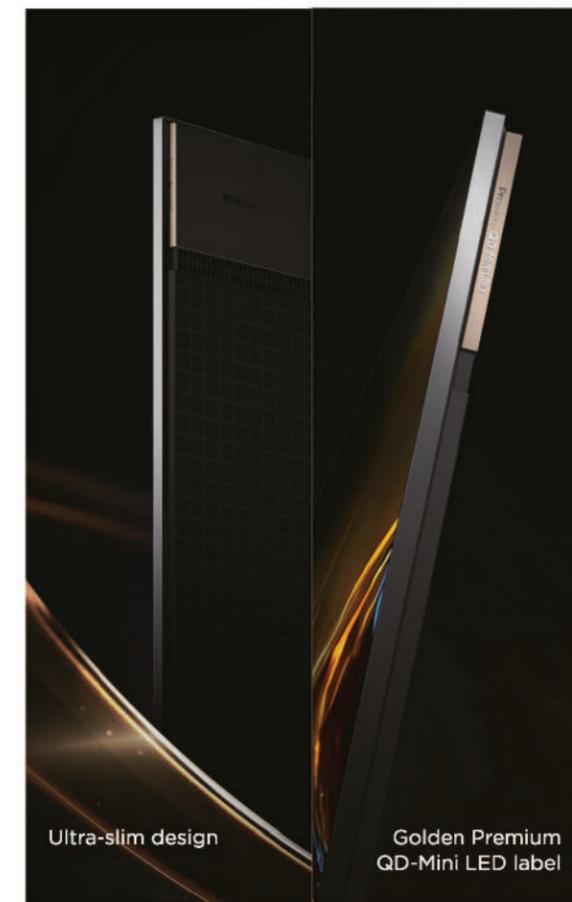
Connect instantly



Ultra-slim design

Thinner and more beautiful

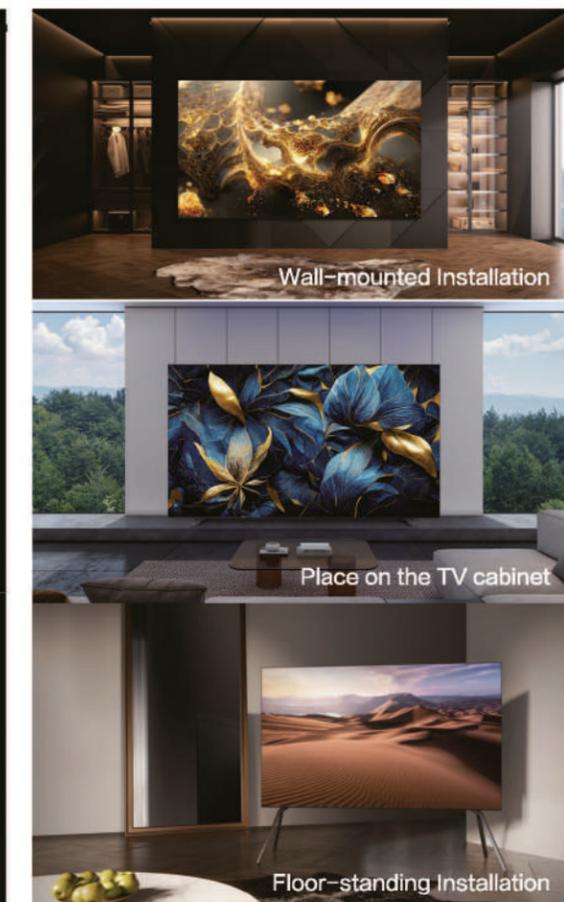
Exquisite beauty



Humanized



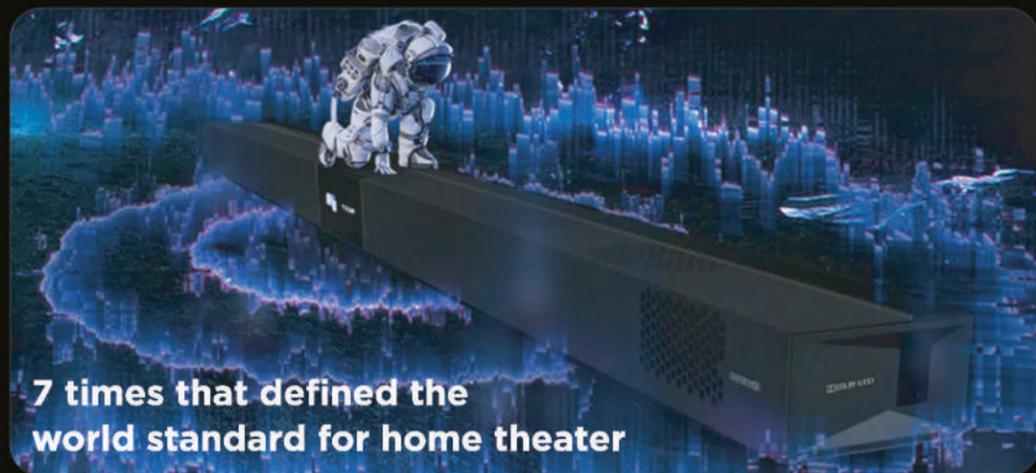
Individuation



ONKYO

Defining the standard for home theater

Brand Power



ONKYO is a global high-end audio brand with 70+ years of home theater expertise. It has defined the world's home theater standards seven times. It uses high-end hardware materials and has a high-quality sound cavity structure to create an immersive sound experience. It is the IMAX official partner and the choice of Hi-Fi enthusiasts

Business Areas



Bang & Olufsen

The Mark of Elevated Audio



Since 1925, Bang & Olufsen has given the world audio that defies conventions, and surpasses expectations. Now you can experience this exceptional sound quality in your TCL television, through Audio by Bang & Olufsen. This mark of great sound means that the speakers in your TV have been worked on by the same engineers who design, tune and refine Bang & Olufsen's iconic speakers. They pour in a century of expertise, so that only the purest sound comes out.

TCL ONKYO Hi-Fi System

Defining the standard for home theater

Ultra surround speaker

The sound of nature falls from the sky



Ai Vertical surround sound

Perceive auditory characteristics and enhance surround sound effects



Content Adaptive

Supports automatic matching of exclusive sound effects by sensing the content.



Double Subwoofer

Huge Waves, Ground Trembled



Space Adaptive

Sensing living room space to create exclusive sound field.



TCL Tutti Choral

Sound bar collaborates with TV to bring users a more immersive three-dimensional surround feeling.





115 X955" Max Premium QD-MiniLED TV

Leading the way

20000+ Local Dimming Zones

HDR 5000 nits

QLED PRO

T-SCREEN 5x Contrast Enhancement

144Hz Up to 144Hz

AIQD Processor

ONKYO 6.2.2 HI-FI System

Ultra-slim Design



*There may be differences in product configurations in different countries, and there may also be differences in products between different sizes, and the relevant parameters are from TCL laboratories.



115" C7K Premium QD-MiniLED TV

Stunning Picture, Immersive Sound

- 
 Precise Dimming Series
Up to 2880 Zones
- 
 CrystGlow HVA Panel
- 
ONKYO
ONKYO 4.2.2 Hi-Fi System
- 
 AIPQ Pro Processor
- 
 HDR 3000 nits
- 
 QLED



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C72K Premium QD-MiniLED TV

Stunning Picture, Immersive Sound

239.5 cm (98) | 206 cm (85) | 185 cm (75)
160.8 cm (65) | 136 cm (55)

- Precise Dimming Series Up to 2048 Zones
- CrystGlow HVA Panel
- AIPQ Pro Processor
- HDR 3000 nits
- 144Hz Native Refresh Rate
- QLED



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C8K Premium QD-MiniLED TV

No Edge, All Engage

Audio by
BANG & OLUFSEN

206 cm (85) | 185 cm (75)



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C6K Premium QD-MiniLED TV

True Colors, True Details

185 cm (75) | 160.8 cm (65) | 136 cm (55)



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C6KS Premium QD-MiniLED TV

True Colors, True Details

185 cm (75) | 160.8 cm (65) | 136 cm (55)

- 
 Precise Dimming Series
Up to 312 Zones
- 
 High HDR Brightness
- 
 QLED
- 
 HVA panel
- 
 AIPQ Processor
- 
 Ultra Slim Design



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P8K Premium QLED TV

No Lags, All Wins

239.5 cm (98) | 206 cm (85) | 185 cm (75)
160.8 cm (65) | 136 cm (55)



QLED



144Hz Native Refresh Rate



ONKYO 2.1 Hi-Fi System



AIPQ Pro Processor



HVA Panel



Slim & Uni-body



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P7K QLED TV

Vivid and Vibrant

185 cm (75) | 160.8 cm (65) | 136 cm (55)
126.5 cm (50) | 107.5 cm (43)

-  QLED
-  Slim & Uni-body
-  AI PQ Processor
-  HVA Panel
-  Game Accelerator 120 VRR
-  Dolby VISION-ATMOS



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P6K PREMIUM 4K HDR TV

Crystal Clear, Brilliantly Smart

185 cm (75) | 160.8 cm (65) | 136 cm (55) | 107.5 cm (43)



AIPQ Processor

MEMC

Dolby
ATMOS

HVA Screen

Metallic Bezel-less

HDR10



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S5K QLED TV

81.2 cm (32) | 107.5 cm (43) | 126.5 cm (50)

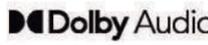


Slim Design

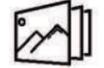


FULL HD

HDR
HDR 10



Dolby Audio



Multiple Viewing Mode

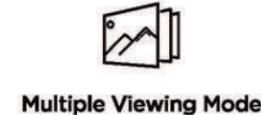


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S4K QLED TV

81.2 cm (32)



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