

# TCL 65QM751G 4K QLED Smart TV with Dolby Vision IQ and Game Accelerator

## QUICK BUYER GUIDE



Gamers and movie lovers seeking high brightness and immersive sound with Google TV integration



## At a Glance Specs

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### SCREEN SIZE

**65-inch QLED display with 4K resolution**



### BRIGHTNESS

**Up to 1,500 nits peak brightness for vivid highlights**



### REFRESH RATE

**144Hz panel with Motion Rate 480 for smooth motion**



### HDR SUPPORT

**Dolby Vision IQ, HDR10+, HDR10, HLG for enhanced contrast**



### AUDIO

**Built-in ONKYO speakers with Dolby Atmos for spatial sound**



### CONNECTIVITY

**Wi-Fi, Bluetooth, HDMI, Ethernet for streaming and gaming**



### SMART FEATURES

**Google TV interface with Alexa voice control**



### GAME PERFORMANCE

**240Hz Game Accelerator for low-latency gameplay**



## Who It Is For

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- ✓ Gamers needing 240Hz responsiveness
- ✓ Movie buffs wanting vibrant HDR visuals
- ✓ Home theater enthusiasts with Dolby Atmos
- ✓ Smart TV users prioritizing Google TV
- ✓ Sports fans seeking 144Hz smoothness
- ✓ Streamers requiring Wi-Fi and HDMI ports



## Who It Is Not For

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- ✗ Users prioritizing OLED-like black levels
- ✗ Those needing 4K HDR without Dolby Vision
- ✗ People avoiding built-in speakers
- ✗ Individuals without Alexa compatibility
- ✗ Viewers in dimly lit environments
- ✗ Users requiring 4K HDR without HLG



## Trade Offs to Consider

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- High brightness may cause glare in bright rooms
- Game Accelerator requires compatible consoles
- Built-in speakers may not replace external systems
- Dolby Atmos needs optimal room acoustics
- 4K HDR requires stable internet for streaming
- QD-Mini LED may not match OLED contrast

## How It Compares

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- Better brightness than standard QLED TVs
- Includes Dolby Atmos for immersive sound
- Supports more HDR formats than competitors
- Faster refresh rate than non-4K models
- More connectivity ports than budget options
- Includes voice remote with Alexa integration

## Choose This If...

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- ✓ Needs high brightness for bright rooms
- ✓ Seeks immersive sound with Dolby Atmos
- ✓ Requires 4K HDR support
- ✓ Wants Google TV with Alexa integration

## Skip This If...

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- ✗ Prefers OLED-like black levels
- ✗ Doesn't need 4K HDR
- ✗ Wants a thinner design
- ✗ Avoids built-in speakers



## Learn More

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### Read our Review

[TCL 65-Inch QM7 QLED 4K Smart TV with Google TV: 2026 Review](#)



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