**SAMSUNG**

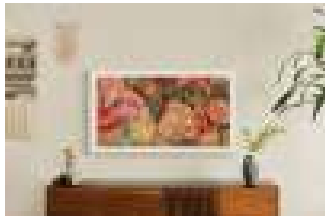# Samsung The Frame GQ50LS03DAU 127 cm (50") 4K Ultra HD Smart TV Wi-Fi Black

**Brand :** Samsung          **Product family:** The Frame          **Product code:**
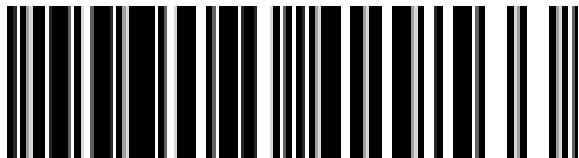                                                                     GQ50LS03DAUXZG

**Product name :** GQ50LS03DAU

Samsung The Frame GQ50LS03DAU. Display diagonal: 127 cm (50"), Display resolution: 3840 x 2160 pixels, HD type: 4K Ultra HD, Display technology: QLED, Screen shape: Flat, LED backlighting type: Dual LED. Smart TV. Motion interpolation technology: Motion Xcelerator, Response time: 6 ms, Native aspect ratio: 16:9. Digital signal format system: DVB-T2 HD. Wi-Fi, Ethernet LAN. Product colour: Black

## Display

| | |
|---|---|
| Display diagonal * | 127 cm (50") |
| HD type * | 4K Ultra HD |
| Display technology * | QLED |
| LED backlight | ✔ |
| LED backlighting type | Dual LED |
| Screen shape * | Flat |
| Native aspect ratio * | 16:9 |
| Response time | 6 ms |
| Motion interpolation technology * | Motion Xcelerator |
| Native refresh rate | 50 Hz |
| Display refresh rates supported | 120 Hz |
| Viewing angle, horizontal | 89° |
| Viewing angle, vertical | 89° |
| Display resolution * | 3840 x 2160 pixels |
| Display diagonal (metric) | 125 cm |
| Anti-glare screen | ✔ |

## TV tuner

| | |
|---|---|
| Tuner type * | Analog & digital |
| Digital signal format system * | DVB-T2 HD |
| Auto channel search | ✔ |

## Smart TV

| | |
|---|---|
| Smart TV * | ✔ |
| Internet TV * | ✔ |
| Operating system installed * | Tizen |
| Timeshift | ✔ |
| Apple AirPlay 2 support | ✔ |
| Sound mirroring | ✔ |
| Hybrid Broadcast Broadband TV (HbbTV) | ✔ |
| Hybrid Broadcast Broadband TV (HbbTV) version | 2.0.3 |
| Universal guide | ✔ |
| Video apps | Samsung TV Plus |

## Performance

| | |
|---|---|
| High Dynamic Range (HDR) supported * | ✔ |
| IPv6 support | ✔ |
| Game features | Auto Low Latency Mode (ALLM), Dynamic Black EQ, Game Motion Plus, Gaming Hub, Mini Map Zoom, Super Ultra Wide Game View, Surround Sound |
| SmartThings app support | ✔ |
| Adaptive picture | ✔ |
| Multi View | ✔ |
| Smartphone/tablet remote support | ✔ |
| USB recording | ✔ |
| ConnectShare (HDD) | ✔ |
| ConnectShare (USB) | ✔ |

## Ports & interfaces

| | |
|---|---|
| HDMI version | 2.1 |
| HDMI Quick Switch | ✔ |
| Audio Return Channel (ARC) | ✔ |
| PC in (D-Sub) * | ✖ |
| Ethernet LAN (RJ-45) ports | 1 |
| USB 2.0 ports quantity * | 2 |
| Digital audio optical out | 1 |
| RS-232C ports | 1 |
| RF ports quantity | 3 |
| Common interface (CI) * | ✔ |
| Common interface Plus (CI+) * | ✔ |
| Common interface Plus (CI+) version | 1.4 |
| HDMI ports quantity * | 4 |
| Consumer Electronics Control (CEC) | Anynet+ |

## Management features

| | |
|---|---|
| Voice guide | ✔ |
| Electronic Programme Guide (EPG) | ✔ |

## Audio

| | |
|---|---|
| Number of speakers * | 2 |
| RMS rated power * | 20 W |
| Audio output channels | 2.2 channels |
| Audio decoders | Dolby Atmos |
| Audio pre-selection descriptor | ✔ |
| Music wall | ✔ |
| Active voice amplifier (AVA) | ✔ |
| Adaptive sound+ | ✔ |
| Multiroom | ✔ |
| Multiroom audio technology | Samsung Multiroom Link |
| Enhanced Audio Return Channel (eARC) | ✔ |

## Network

| | |
|---|---|
| Wi-Fi * | ✔ |
| Wi-Fi standards | Wi-Fi 5 (802.11ac) |
| Bluetooth * | ✔ |
| Bluetooth version | 5.2 |
| Ethernet LAN * | ✔ |
| Web browser | ✔ |

## Design

| | |
|---|---|
| Product colour * | Black |
| VESA mounting * | ✔ |
| Panel mounting interface | 200 x 200 mm |
| Introduction year | 2024 |
| Stand type | Legs stand |

## Performance

| | |
|---|---|
| High Dynamic Range (HDR) technology | High Dynamic Range 10+ Adaptive (HDR10 Plus Adaptive), High Dynamic Range 10+ Gaming (HDR10 Plus Gaming), Quantum HDR |
| Game mode | ✔ |
| Teletext function | ✔ |
| Subtitles function | ✔ |
| Eco sensor | ✔ |
| Brightness detection | ✔ |
| AI Upscale | ✔ |
| TV key support | ✔ |
| Backlight dimming technology | Supreme UHD Dimming |
| Picture processing technology | Samsung Auto Motion Plus, Samsung Real Depth Enhancer |

## Management features

| | |
|---|---|
| On Screen Display (OSD) | ✔ |
| Auto power off | ✔ |
| Works with Amazon Alexa | ✔ |
| Works with Samsung Bixby | ✔ |

## Power

| | |
|---|---|
| Power consumption (typical) * | 70 W |
| Power consumption (standby) * | 0.5 W |
| Energy efficiency class (SDR) * | G |
| Energy efficiency class (HDR) * | G |
| Energy consumption (SDR) per 1000 hours * | 70 kWh |
| Energy consumption (HDR) per 1000 hours * | 124 kWh |
| AC input voltage | 220-240 V |
| AC input frequency | 50/60 Hz |
| Energy saving mode | ✔ |
| Energy efficiency scale | A to G |

## Brand-specific features

| | |
|---|---|
| Samsung technologies (AV/TV) | AMD FreeSync™ Premium, Adaptive Sound Pro, Adjustable Stand, Art Mode, Customisable Bezels, Dolby Atmos®, Dual LED, EyeComfort Mode, LED Clear Motion, Q-Symphony, Quantum HDR, Quantum Processor 4K, Samsung TV Plus, Smart Calibration, Smart TV powered by Tizen, Supreme UHD Dimming, Wide Viewing Angle, Works With Amazon Alexa |

## Weight & dimensions

| | |
|---|---|
| Width (with stand) | 1124.1 mm |
| Depth (with stand) | 227.8 mm |
| Height (with stand) | 679.2 mm |
| Weight (with stand) | 12.2 kg |
| Width (without stand) | 1124.1 mm |
| Depth (without stand) | 24.9 mm |
| Height (without stand) | 644.9 mm |
| Weight (without stand) | 11.8 kg |
| Stand width | 75.7 cm |
| Stand depth | 22.8 cm |

## Packaging data

| | |
|---|---|
| Package width | 1251 mm |
| Package depth | 174 mm |
| Package height | 775 mm |
| Package weight | 20.9 kg |
| Package type | Box |

## Packaging content

| | |
|---|---|
| Desktop stand | ✔ |
| Mounting kit | ✔ |
| Cables included | AC |
| Remote control included | ✔ |

## Other features

| | |
|---|---|
| One Connect port | ✔ |

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