## Samsung QE50QN90CATXXU TV 127 cm (50") 4K Ultra HD Smart TV Wi-Fi

Brand : Samsung

Product code: QE50QN90CATXXU

Product name : QE50QN90CATXXU

- Powered by Quantum Dot for a naturally bright and colourful picture

- Precisely controlled Mini LEDs create an incredibly sharp picture

- 4K 144Hz TV motion for gaming-monitor performance

- Brightness, colour and detail boosted by our most intelligent Al-powered 4K processor

- Virtual surround sound with Dolby Atmos technology

2023 50" QN90C Neo QLED 4K HDR Smart TV

Samsung QE50QN90CATXXU. Display diagonal: 127 cm (50"), HD type: 4K Ultra HD, Display technology: QLED. Smart TV. Contrast ratio (typical): 16:9, Native aspect ratio: 16:9. Wi-Fi





ories with the Google Assistant

| Display diagonal*127 cm (50°)HDM ports quantity*4 (and end end end end end end end end end e  | Display   |  | Ports & interfaces  |                             |
|---|---|--|---|-----------------------------|
| Display technology*         QLED         Value control         Value control           Native aspect ratio*         16:9         Electronic Programme Guide (EPG)         ✓           Contrast ratio (typical)*         16:9         Auto power off         ✓           Contrast ratio (typical)*         16:9         Seep timer         ✓           TV tuner         Seep timer         ✓         ✓           Tuner type *         Analog & digital         Works with Mazon Alexa         ✓           Auto channel search         ✓         Works with Samsung Bixby         ✓           Smart TV          Power         ✓           Smart TV         ✓         Power         ✓           Operating system installed*         Tizen         Sound technology         0olby atmos           Operating system version         Tizen         Sound technology         Neural Quantum Processor 4K           Video apps         ✓         Sound technology         Neural Quantum Processor 4K           Video apps         ✓         Sound technology         Processor         Neural Quantum Processor 4K           Sports apps         AlfA popie TV, BBC (Player, BritBor, Rakuten TV, YouTube         Processor         Neural Quantum Processor 4K           Nusic apps         TitTok  | Display diagonal *                                  | 127 cm (50")   | HDMI ports quantity *   | 4                           |
| Native aspect ratio *16:9Voice control✓Contrast ratio (typical) *16:9Electronic Programme Guide (EPG)✓Contrast ratio (dynamic)16:9Auto power off✓TV tuner✓Sleep timer✓Tuner type *Analog & digitalWorks with Amazon Alexa✓Auto channel search✓Works with Samsung Bixby✓Auto channel search✓Works with Samsung Bixby✓Smart TV *✓Power consumption (standby) *0.5 WOperating system versionTizenEnergy saving mode✓Screen mirroring✓Sound technologyDolby atmosVideo apps✓Weight CumologyDolby atmosVideo apps✓Weight CumologyDolby atmosNusic appsBT SportWeight Cumology1113.6 mmSundo speakers*4Weight Cumology105.4 mmNumber of speakers*4Weight (with stand)113.6 mmAuto appsBT SportWeight (with stand)113.6 mmNumber of speakers*4Weight (with stand)13.5 kgAuto apps40 WStand width51.9 cmNumber of speakers*40 WSend width51.9 cmAuto appsObly AtmosSpand width51.9 cmSound scoper*Auto Apple AtmosStand width51.9 cmAuto appsGame, MovieStand width51.9 cmSundo appsAuto Apple AtmosStand width51.9 cmSundo appsGa  |   |  | Management features   |                             |
| FV tunerWorks with Amazon AlexaImage: Analog & digitalWorks with Amazon AlexaImage: Analog & digitalTuner type *Analog & digitalWorks with Google AssistantImage: Analog & digitalAuto channel searchImage: Analog & digitalWorks with Samsung BixbyImage: Analog & digitalSmart TVImage: Analog & digitalPowerImage: Analog & digitalSmart TVImage: Analog & digitalPowerImage: Analog & digitalOperating system versionTizenEnergy saving modeImage: Analog & digitalOperating system versionTizenSound technologyDolby atmosApple AirPlay 2 supportImage: Analog & digitalSound technologyDolby atmosAld, Apple TV, Bisney F, Google TV, TV Hub, MyS, NOW TV, Netfix, Ratuten TV, YouTubeMidt (with stand)113.6 mmAusca appsAmazon Music, Apple Music, BBCDepth (with stand)17.6 kgSports appsTisToWidth (without stand)13.6 mmSports appsTisToWidth (without stand)13.6 mmItfestyle appsTisToWidth (without stand)13.5 mmAudio decodersAuMide: Analog and width13.5 kgAudio decodersAuStand depth3.5 kgSound Audio Return ChanangCan-MovieStand depth1.3 cmAudio decodersAuStand depth1.3 cmAudio decodersAuStand depth1.3 cmAudio decodersAuStand depth2.0 mmAudio decodersAuStand depth <td< td=""><td>Native aspect ratio *<br/>Contrast ratio (typical) *</td><td>16:9<br/>16:9</td><td>Voice control<br/>Electronic Programme Guide (EPG)<br/>Auto power off</td><td>4</td></td<>  | Native aspect ratio *<br>Contrast ratio (typical) * | 16:9<br>16:9   | Voice control<br>Electronic Programme Guide (EPG)<br>Auto power off | 4                           |
| Auto channel search✓Works with Samsung Bixby✓Smart TV✓PowerSmart TV*✓Power consumption (standby)*0.5 WOperating system installed*TizenEnergy saving mode✓Operating system versionTizenFechical detailsWorks with Samsung BixbyPolby atmosScreen mirroring✓✓Sound technologyPolby atmosApple AirPlay 2 support✓✓PowerWorks with Samsung BixbyPolby atmosMate Apple TV, BBC iPlayer, Brits<br>Carch-up TV, Disney+, Google TV,<br>TV Hub, MyS, NOW TV, Nettlix,<br>Rakuten TV, YouTubeMolte AtmongousPolby atmosMusic appsAmazon Music, Apple Music, BBC<br>Sounds, SpotifyWeight (with stand)113.6 mmFurster Lifestyle appsTiKokWeight (without stand)113.6 mmMumber of speakers *4Wolf (without stand)113.6 mmAudio decodersAuWeight (without stand)13.6 mmSound nodes6Weight (without stand)13.6 mmSound node4Wolf (without stand)13.6 mmAudio decoders *4Weight (without stand)13.6 mmSound nodesGame, MovieStand with51.9 cmSound nodeGame, MovieStand with51.9 cmSound nodesGame, MovieStand with51.9 cmSound nodesGame, MovieStand with51.9 cmSound nodesSound nodesStand withStand withSound nodesDiby AtmosStand with<   | TV tuner  |  | •   | 1                           |
| Smart TV*Image: system versionItzenPower consumption (standby)*0.5 WOperating system versionTizenEnergy saving modeImage: system versionScreen mirroringImage: system versionScreen mirroringImage: system versionDolby atmosApple AirPlay 2 supportImage: system versionSound technologyDolby atmosVideo appsImage: system versionImage: system versionDolby atmosVideo appsImage: system versionImage: system versionDolby atmosMusic appsAmazon Music, Apple Music, BBC<br>Sounds, SpotifyWeight & dimensionsVidth (with stand)1113.6 mmSports appsBT SportWeight (with stand)705.4 mm113.6 mmLifestyle appsTitRokWeight (without stand)17.6 kg113.6 mmNumber of speakers *4Width (without stand)13.5 kg113.6 mmNumber of speakers *40 WStand width51.9 cm13.5 kgSound decodersDolby AtmosStand depth22.0 miSound wodeGame, MovieStand depth22.0 miEnhanced Audio Return Channel<br>(eARC)Image: system version13.5 kgAudio systemDolby AtmosStand depth21.9 cmAudio systemDolby AtmosStand depth21.9 cmAudio systemDolby AtmosStand depth21.9 cmAudio systemDolby AtmosStand guideImage: system versionAudio systemDolby AtmosStand guideImage: system version<   | ,,  | 5 5  |   | -                           |
| Operating system installed *TizenEnergy saving mode✓Operating system versionTizenFechnical detailsSound technologyDolby atmosScreen mirroring✓Sound technologyProcessorNeural Quantum Processor 4KApple AirPlay 2 support✓Maid technologyNeural Quantum Processor 4KVideo apps✓Catch-up TV, DBS (Player, BritBox,<br>Catch-up TV, DBS (Player, BritBox,<br>Rakuten TV, YouTubeWeight & dimensionsMusic appsAmazon Music, Apple Music, BBC<br>Sounds, SpotifyWeight (with stand)1113.6 mmSports appsBT SportWeight (with stand)705.4 mmLifestyle appsTiKTokWeight (with stand)1113.6 mmNumber of speakers *4Weight (with stand)113.6 mmAudio decodersDolby AtmosStand depth26.9 mmNumber of speakers *4Weight (without stand)13.5 kgAudio decodersDolby AtmosStand depth22 cmSound modesGame, MovieStand depth22 cmEnhanced Audio Return Channel<br>(eARC)✓Screws included✓Audio systemDolby AtmosScrews included✓Audio systemDolby Atmos   | Smart TV  |  | Power   |                             |
| Screen mirroringImage: Control of the con |   | -  |   |                             |
| Apple AirPlay 2 supportImage: Sound technologyDolby atmosApple AirPlay 2 supportAll 4, Apple TV, BBC iPlayer, BritBov,<br>Catch-up TV, Disney+, Google TV,<br>TV Hub, My5, NOW TV, Netflix,<br>Rakuten TV, YouTubeProcessorNeural Quantum Processor 4KMusic appsCatch-up TV, Disney+, Google TV,<br>TV Hub, My5, NOW TV, Netflix,<br>Rakuten TV, YouTubeWeight & dimensions1113.6 mmMusic appsBT SportDepth (with stand)220 mmSports appsBT SportWeight (with stand)705.4 mmLifestyle appsTikTokWeight (with stand)1113.6 mmAudioMusic Apple AirowDepth (with stand)1113.6 mmAudio decoders4Weight (without stand)644.1 mmAudio decodersDolby AtmosStand width51.9 cmSound modesGame, MovieStand width51.9 cmEnhanced Audio Return Channel<br>(eARC)Ioby AtmosStand depth22 cmAudio systemDolby AtmosStand guiedIntercentent  |   |  | Technical details   |                             |
| Video appsAll 4, Apple TV, BBC iPlayer, BritBor<br>Catch-up TV, Disney+, Google TV,<br>TTV Hub, MyS, NOW TV, Netflix,<br>Rakuten TV, YouTubeWeight & dimensionsMusic appsAmazon Music, Apple Music, BBC<br>Sounds, SpotifyWeight (with stand)1113.6 mmSports appsBT SportDepth (with stand)220 mmLifestyle appsBT SportWeight (with stand)17.6 kgLifestyle appsTikTokWidth (without stand)1113.6 mmNumber of speakers *4Depth (without stand)1113.6 mmNumber of speakers *4Weight (without stand)644.1 mmAudio decodersDolby AtmosStand width51.9 cmSound modesGame, MovieStand width22 cmEnhanced Audio Return Channel<br>(eARC)Obly AtmosStand Stand guideAudio systemDolby AtmosStand stand guideAudio system  | 5   |  | Sound technology  | Dolby atmos                 |
| Video appsCatch-up TV, Disney+, Google TV,<br>TV Hub, My5, NOW TV, Netflix,<br>Rakuten TV, YouTubeWeight & dimensionsMusic appsAmazon Music, Apple Music, BBC<br>Sounds, SpotifyDepth (with stand)1113.6 mmSports appsBT SportWeight (with stand)705.4 mmLifestyle appsTikTokWeight (with stand)1113.6 mmAudioTikTokDepth (with stand)1113.6 mmNumber of speakers *4Poth (without stand)1113.6 mmNumber of speakers *4Weight (without stand)644.1 mmAudio decodersDolby AtmosStand width51.9 cmSound modesGame, MovieStand depth22 cmEnhanced Audio Return Channel<br>(eARC)Image MovieStand gue MovieAudio systemDolby AtmosStand gue MovieImage MovieAudio systemDolby AtmosStart guideImage MovieAudio systemDolby AtmosStart gui MovieImage MovieAudio system </td <td>Apple AlrPlay 2 support</td> <td>✓ ✓ All 4 Apple TV_BBC iPlayer_BritBox</td> <td>Processor</td> <td>Neural Quantum Processor 4K</td>   | Apple AlrPlay 2 support                             | ✓ ✓ All 4 Apple TV_BBC iPlayer_BritBox                             | Processor   | Neural Quantum Processor 4K |
| Music appsIf V Hab, MyS, NOW IV, Netfix,<br>Rakuten TV, YouTubeWidth (with stand)1113.6 mmMusic appsAmazon Music, Apple Music, BBC<br>Sounds, SpotifyDepth (with stand)220 mmSports appsBT SportWeight (with stand)705.4 mmLifestyle appsTikTokWeight (with stand)1113.6 mmAudioTikTokDepth (without stand)1113.6 mmNumber of speakers *4Depth (without stand)1113.6 mmNumber of speakers *4Width (without stand)644.1 mmAudio decodersDolby AtmosStand width51.9 cmSound modesGame, MovieStand depth22 cmEnhanced Audio Return Channel<br>(eARC)Olby AtmosScrews includedImmAudio systemDolby AtmosQuick start guideImm  | Video apps  | Catch-up TV, Disney+, Google TV,<br>ITV Hub, My5, NOW TV, Netflix, | Weight & dimensions   |                             |
| Music appsAmazon Music, Apple Music, Bbc<br>Sounds, SpotifyHeight (with stand)705.4 mmSports appsBT SportWeight (with stand)17.6 kgLifestyle appsTikTokWidth (without stand)1113.6 mmAudioDepth (without stand)1113.6 mmNumber of speakers *4Depth (without stand)644.1 mmRMS rated power *40 WStand width51.9 cmAudio decodersDolby AtmosStand depth22 cmSound modesGame, MovieStand depth22 cmEnhanced Audio Return Channel<br>(eARC)Dolby AtmosScrews included✓Audio systemDolby AtmosScrews included✓Audio   |   |  | Width (with stand)  | 1113.6 mm                   |
| Lifestyle appsTikTokWidth (without stand)1113.6 mmAudioDepth (without stand)26.9 mmNumber of speakers *4Height (without stand)644.1 mmRMS rated power *40 WWeight (without stand)13.5 kgAudio decodersDolby AtmosStand width51.9 cmSound modesGame, MoviePackaging data22 cmEnhanced Audio Return Channel<br>(ARC)Olby AtmosDolby AtmosQuick start guideIAudio systemDolby AtmosQuick start guideII   | Music apps  | Amazon Music, Apple Music, BBC                                     | • •   |                             |
| AudioDepth (without stand)26.9 mmNumber of speakers *4Height (without stand)644.1 mmRMS rated power *40 WWeight (without stand)13.5 kgAudio decodersDolby AtmosStand width51.9 cmSound modesGame, MovieStand depth22 cmEnhanced Audio Return Channel<br>(eARC)✓Packaging dataAudio systemDolby AtmosScrews included✓Audio systemDolby AtmosScrews included✓   | Sports apps   | BT Sport   | Weight (with stand)   | 5                           |
| AudioHeight (without stand)644.1 mmNumber of speakers *4Height (without stand)644.1 mmRMS rated power *40 WWeight (without stand)13.5 kgAudio decodersDolby AtmosStand width51.9 cmSound modesGame, MovieStand depth22 cmEnhanced Audio Return Channel<br>(eARC)✓Packaging dataAudio systemDolby AtmosScrews included✓Audio systemDolby AtmosQuick start guide✓   | Lifestyle apps                                      | TikTok   |   |                             |
| Number of speakers *4Weight (without stand)13.5 kgRMS rated power *40 WStand width51.9 cmAudio decodersDolby AtmosStand depth22 cmSound modesGame, MoviePackaging dataEnhanced Audio Return Channel<br>(eARC)✓Screws included✓Audio systemDolby AtmosQuick start guide✓   | Audio   |  |   |                             |
| RMS rated power *40 WStand width51.9 cmAudio decodersDolby AtmosStand depth22 cmSound modesGame, MoviePackaging dataEnhanced Audio Return Channel<br>(eARC)✓Screws included✓Audio systemDolby AtmosQuick start guide✓   | Number of speakers *                                | 4  | 5   |                             |
| Audio decodersDolby AtmosStand depth22 cmSound modesGame, MoviePackaging dataEnhanced Audio Return Channel<br>(eARC)Screws includedAudio systemDolby AtmosQuick start guide   |   |  |   | 5                           |
| Sound modes     Game, Movie       Enhanced Audio Return Channel<br>(eARC)          Packaging data       Audio system     Dolby Atmos               Screws included  |   |  |   |                             |
| (eARC)     Screws included       Audio system     Dolby Atmos       Quick start guide   |   | Game, Movie  |   |                             |
| Audio systemDolby AtmosQuick start guide  |   | ✓  |   | 1                           |
|   |   | Dolby Atmos  |   |                             |
|   |   |  | . 5   | 1                           |

| Network                                 |  | Packaging data                                  |                                  |
|---|--|---|----------------------------------|
| Wi-Fi *                                 | <  | Package width                                   | 1317 mm                          |
| Bluetooth *                             | 4  | Package depth                                   | 140 mm                           |
| Miracast                                | ×  | Package height                                  | 767 mm                           |
| Design                                  |  | Package weight                                  | 22.5 kg                          |
| VESA mounting *                         | 1  | Packaging content                               |                                  |
| Panel mounting interface                | 200 x 200 mm   | Mounting kit                                    | ×                                |
| Stand type                              | Hexagon stand  | Remote control included                         | ✓                                |
| Performance                             |  | Remote control type                             | TM2360E+TM1240A                  |
|   | High Dynamic Bango 10+ Adaptivo                                | Smart Remote included                           | ✓                                |
| High Dynamic Range (HDR)                | High Dynamic Range 10+ Adaptive<br>(HDR10 Plus Adaptive), High | Other features                                  |                                  |
| technology                              | Dynamic Range 10+ Gaming                                       | Hybrid Log-Gamma (HLG)                          | 1                                |
|   | (HDR10 Plus Gaming)  | 3D  | ×                                |
| Game mode                               | 4  | Motion control                                  | â                                |
| Subtitles function                      | <b>v</b>   | Annual energy consumption                       | 90 kWh                           |
| Dolby Vision                            | ×  | Aerial input                                    | DVB-T2CS2 x 2                    |
| Ambient light sensor                    |  | HDMI  | ✓                                |
| Backlight dimming technology            | Local Dimming  | Country of origin                               | Slovakia                         |
| High Dynamic Range (HDR)<br>supported * | ✓  | Dimensions (W $\times$ D $\times$ H) with stand | 1113.6 x 220 x 705.4 mm          |
| AMD FreeSync                            | 1  | Mains power                                     | 1                                |
| NVIDIA G-SYNC                           | ×  | Stand   | Carbon Silver Sharp Neck Hexagon |
| 4K Ultra HD upscaling                   | 1  | Picture mode                                    | Film, filmmaker                  |
| Auto standby                            | 1  | Smart TV applications                           | SmartThings                      |
| Parental control                        | 1  | Analogue tuner                                  | v -                              |
| USB recording                           | 1  | DVB-T2 tuner                                    | ✓                                |
| USB playback                            | ✓  | Dimensions (with stand) (WxHxD)                 | 1113.6 x 705.4 x 220 mm          |
| Ports & interfaces                      |  | News apps                                       | BBC                              |
| HDMI version                            | 2.1  | Stand weight                                    | 4.1 kg                           |
| Audio Return Channel (ARC)              | 2.11<br>V  |   |                                  |
| Ethernet LAN (RJ-45) ports              | 1  |   |                                  |
| Digital audio optical out               | 1  |   |                                  |
| RF ports quantity                       | 1  |   |                                  |
| Common interface (CI) *                 | -<br>-   |   |                                  |
| Common interface Plus (CI+) *           |  |   |                                  |
|   | -  |   |                                  |



8806094863635

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.