

Samsung 85" Neo QLED QN1EF 4K Vision AI Smart TV (2025)

Brand : Samsung

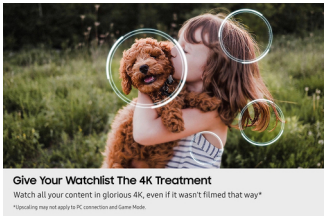
Product code: QE85QN1EFAUXXU

Product name : 85" Neo QLED QN1EF 4K Vision AI Smart TV (2025)

- 4K AI Upscaling & NQ4 AI Gen2 Processor: Powerful 4K AI processor optimises picture and sound for superior 4K viewing¹
- Quantum Matrix Technology Slim with Mini LEDs: See more detail in your on-screen action with boosted colour and clarity
- AI Sound Pro: Expertly engineered sound, tailored for where and what you're watching
- AirSlim: Expertly engineered and beautifully balanced to look great from every angle
- AI Motion Enhancer Pro and Motion Xcelerator 144Hz⁷: AI delivers ultra-smooth motion and virtually no lag or blur for sports and gaming

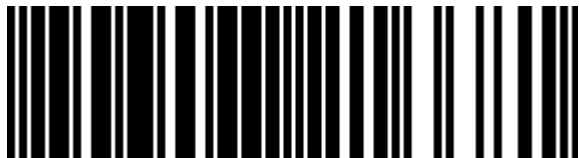
85" Neo QLED QN1EF 4K Vision AI Smart TV (2025)

Samsung 85" Neo QLED QN1EF 4K Vision AI Smart TV (2025). Display diagonal: 2.16 m (85"), Display resolution: 3840 x 2160 pixels, HD type: 4K Ultra HD, Display technology: Neo QLED, Screen shape: Flat. Smart TV. Motion interpolation technology: Motion Xcelerator, Native aspect ratio: 16:9. Digital signal format system: DVB-C, DVB-S2, DVB-T2. Wi-Fi, Ethernet LAN. Product colour: Black



| Display | | Performance | |
|---|---------------------------|-------------------------------------|---------|
| Display diagonal * | 2.16 m (85") | Tap view | ✓ |
| HD type * | 4K Ultra HD | Multi View | ✓ |
| Display technology * | Neo QLED | TV sound to mobile device | ✓ |
| Screen shape * | Flat | Smartphone/tablet remote support | ✓ |
| Native aspect ratio * | 16:9 | Ports & interfaces | |
| Motion interpolation technology * | Motion Xcelerator | | |
| Native refresh rate | 100 Hz | | |
| Display refresh rates supported | 144 Hz | | |
| Dynamic contrast ratio marketing name | Quantum Matrix Technology | | |
| Display resolution * | 3840 x 2160 pixels | | |
| Display diagonal (metric) | 214 cm | | |
| TV tuner | | Audio Return Channel (ARC) | ✓ |
| Tuner type * | Analog & digital | PC in (D-Sub) * | ✗ |
| Digital signal format system * | DVB-C, DVB-S2, DVB-T2 | Ethernet LAN (RJ-45) ports | 1 |
| Auto channel search | ✓ | USB 2.0 ports quantity * | 2 |
| Smart TV | | Digital audio optical out | 1 |
| Smart TV * | ✓ | RF ports quantity | 3 |
| Internet TV * | ✓ | Common interface (CI) * | ✓ |
| Operating system installed * | Tizen | Common interface Plus (CI+) * | ✓ |
| Apple AirPlay 2 support | ✓ | Common interface Plus (CI+) version | 1.4 |
| Sound mirroring | ✓ | HDMI ports quantity * | 4 |
| Hybrid Broadcast Broadband TV (HbbTV) | ✓ | Consumer Electronics Control (CEC) | Anynet+ |
| Hybrid Broadcast Broadband TV (HbbTV) version | 2.0.3 | Management features | |
| TV initiate mirroring | ✓ | | |
| Universal guide | ✓ | | |
| Video apps | Samsung TV Plus | | |
| Audio | | | |
| Number of speakers * | 2 | Voice guide | ✓ |
| RMS rated power * | 20 W | Electronic Programme Guide (EPG) | ✓ |
| Audio pre-selection descriptor | ✓ | On Screen Display (OSD) | ✓ |
| | | Number of OSD languages | 28 |
| | | Auto power off | ✓ |
| | | Works with Amazon Alexa | ✓ |
| | | Works with the Google Assistant | ✓ |
| | | Works with Samsung Bixby | ✓ |
| | | Power | |
| | | Power consumption (typical) * | 168 W |
| | | Power consumption (standby) * | 0.5 W |
| | | Power consumption (max) | 310 W |
| | | Energy efficiency class (SDR) * | G |
| | | Energy efficiency class (HDR) * | G |

| Audio | | Power | | |
|--------------------------------------|--|---|---|-----------|
| Enhanced Audio Return Channel (eARC) | ✔ | Energy consumption (SDR) per 1000 hours * | 168 kWh | |
| Network | | Energy consumption (HDR) per 1000 hours * | 296 kWh | |
| Wi-Fi * | ✔ | AC input voltage | 220-240 V | |
| Wi-Fi standards | Wi-Fi 5 (802.11ac) | AC input frequency | 50/60 Hz | |
| Bluetooth * | ✔ | Energy saving mode | ✔ | |
| Bluetooth version | 5.3 | Energy efficiency scale | A to G | |
| Ethernet LAN * | ✔ | Brand-specific features | | |
| Web browser | ✔ | | 4K AI Upscaling, AI Auto Game Mode, Active Voice Amplifier Pro, Adaptive Sound Pro, AirSlim, Auto HDR Remastering, EyeComfort Mode, Karaoke Mode, Object Tracking Sound Lite, Q-Symphony, Quantum Matrix Technology, Quantum Matrix Technology Slim, Samsung TV Plus, Smart Calibration, Wide Viewing Angle | |
| Design | | | | |
| Product colour * | Black | Samsung technologies (AV/TV) | | |
| VESA mounting * | ✔ | | | |
| Panel mounting interface | 600 x 400 mm | | | |
| Introduction year | 2025 | | | |
| Bezel type | 3 Bezel-less | | | |
| Stand type | Legs stand | Weight & dimensions | | |
| Performance | | Width (with stand) | 1901.7 mm | |
| | Filmmaker Mode, High Dynamic Range 10+ Adaptive (HDR10 Plus Adaptive), High Dynamic Range 10+ Gaming (HDR10 Plus Gaming), Hybrid Log-Gamma (HLG), Neo Quantum HDR | Depth (with stand) | 365.6 mm | |
| High Dynamic Range (HDR) technology | | Height (with stand) | 1142.3 mm | |
| | | Weight (with stand) | 41.5 kg | |
| Game mode | | ✔ | Width (without stand) | 1901.7 mm |
| | | | Depth (without stand) | 26.9 mm |
| Eco sensor | ✔ | Height (without stand) | 1086.5 mm | |
| AI Upscale | ✔ | Weight (without stand) | 40.7 kg | |
| TV key support | ✔ | Stand width | 142 cm | |
| Backlight dimming technology | Supreme UHD Dimming | Stand depth | 36.6 cm | |
| Picture processing technology | Samsung Real Depth Enhancer | Packaging data | | |
| Picture processor | NQ4 AI Gen2 | Package width | 2059 mm | |
| High Dynamic Range (HDR) supported * | ✔ | Package depth | 171 mm | |
| AMD FreeSync | ✔ | Package height | 1200 mm | |
| AMD FreeSync type | FreeSync Premium | Package weight | 53.1 kg | |
| | Auto Low Latency Mode (ALLM), Dynamic Black EQ, Game Motion Plus, Gaming Hub, HGiG, Mini Map Zoom, Super Ultra Wide Game View, Surround Sound, Variable Refresh Rate (VRR) | Packaging content | | |
| Game features | | Desktop stand | ✔ | |
| | | Cables included | AC | |
| | | Remote control included | ✔ | |
| | | Remote control type | TM2560E (UK Add TM1240A) | |
| SmartThings app support | ✔ | | | |



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Catalog Object Cloud



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