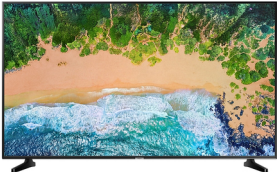**SAMSUNG**

# Samsung Series 7 UE50NU7090U 127 cm (50") 4K Ultra HD Smart TV Wi-Fi Black

**Brand :** Samsung

**Product family:** Series 7

**Product code:**
UE50NU7090UXZG

**Product name :** UE50NU7090U

Samsung Series 7 UE50NU7090U. Display diagonal: 127 cm (50"), Display resolution: 3840 x 2160 pixels, HD type: 4K Ultra HD, Display technology: LED, Screen shape: Flat. Smart TV. Motion interpolation technology: PQI (Picture Quality Index) 1300, Native aspect ratio: 16:9. Digital signal format system: DVB-C, DVB-S2, DVB-T2. Wi-Fi, Ethernet LAN. Product colour: Black

## Display

| | |
|---|---|
| Display diagonal * | 127 cm (50") |
| HD type * | 4K Ultra HD |
| Display technology * | LED |
| Screen shape * | Flat |
| Native aspect ratio * | 16:9 |
| Screen format adjustments | 4:3, 16:9, Auto |
| Supported video modes | 1080p, 2160p |
| Supported graphics resolutions | 1920 x 1080 (HD 1080), 3840 x 2160 |
| Motion interpolation technology * | PQI (Picture Quality Index) 1300 |
| Dynamic contrast ratio marketing name | Mega Contrast |
| Display resolution * | 3840 x 2160 pixels |
| Display diagonal (metric) | 125 cm |

## TV tuner

| | |
|---|---|
| Tuner type * | Analog & digital |
| Digital signal format system * | DVB-C, DVB-S2, DVB-T2 |
| Auto channel search | ✔ |

## Smart TV

| | |
|---|---|
| Smart TV * | ✔ |
| Internet TV * | ✔ |
| Hybrid Broadcast Broadband TV (HbbTV) | ✔ |
| Hybrid Broadcast Broadband TV (HbbTV) version | 1.5 |

## Audio

| | |
|---|---|
| Number of speakers * | 2 |
| RMS rated power * | 20 W |
| Audio decoders | Dolby Digital, Dolby Digital Plus |
| Multiroom | ✔ |
| Multiroom audio technology | Samsung Multiroom Link |

## Ports & interfaces

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

## Management features

| | |
|---|---|
| Electronic Programme Guide (EPG) | ✔ |
| On Screen Display (OSD) | ✔ |
| Number of OSD languages | 27 |
| ECO mode | ✔ |
| Auto power off | ✔ |
| Sleep timer | ✔ |
| On/Off timer | ✔ |

## Power

| | |
|---|---|
| Power consumption (typical) * | 93 W |
| Power consumption (standby) * | 0.5 W |
| Power consumption (max) | 135 W |
| AC input voltage | 220 - 240 V |
| AC input frequency | 50 - 60 Hz |

## Weight & dimensions

| | |
|---|---|
| Width (with stand) | 1124.8 mm |
| Depth (with stand) | 242.1 mm |

## Network

| | |
|---|---|
| Wi-Fi * | ✔ |
| Ethernet LAN * | ✔ |
| Wi-Fi Direct | ✔ |
| Browsing | ✔ |
| Web browser | ✔ |

## Design

| | |
|---|---|
| Product colour * | Black |
| VESA mounting * | ✔ |
| On/off switch | ✔ |

## Performance

| | |
|---|---|
| High Dynamic Range (HDR) technology | Hybrid Log-Gamma (HLG) |
| Game mode | ✔ |
| Teletext function | ✔ |
| Subtitles function | ✔ |
| Video formats supported | 3GP, ASF, AVI, FLV, MKV, MOV, MP4, PS, RMVB, SVAF, TS, VOB, VRO, WEBM, WMV |
| Audio formats supported | AAC, AIFF, ALAC, APE, FLAC, M4A, MIDI, MP3, MPA, OGG, WAV, WMA |
| Image formats supported | BMP, JPEG, JPS, MPO, PNG |
| Subtitle formats supported | AAS, MKV, SMI, SRT, SSA, SUB, TTXT, XML |
| Backlight dimming technology | Local Dimming |
| Picture processing technology | Samsung Contrast Enhancer, Samsung UHD Up-Scailing |
| Digital Clean View | ✔ |
| High Dynamic Range (HDR) supported * | ✔ |
| Processor cores | 4 |
| 4K Ultra HD upscaling | ✔ |
| ConnectShare (HDD) | ✔ |
| ConnectShare (USB) | ✔ |

## Weight & dimensions

| | |
|---|---|
| Height (with stand) | 692.8 mm |
| Weight (with stand) | 13.8 kg |
| Width (without stand) | 1124.8 mm |
| Depth (without stand) | 59.7 mm |
| Height (without stand) | 650.2 mm |
| Weight (without stand) | 13.6 kg |

## Packaging data

| | |
|---|---|
| Manual | ✔ |
| Package width | 1272 mm |
| Package depth | 153 mm |
| Package height | 790 mm |
| Package weight | 17.4 kg |
| Package type | Box |

## Packaging content

| | |
|---|---|
| Desktop stand | ✔ |
| Cables included | AC |
| Remote control included | ✔ |
| Remote control type | TM1240A |
| E-manual | ✔ |

## Other features

| | |
|---|---|
| Hybrid Log-Gamma (HLG) | ✔ |
| PurColor | ✔ |
| 3D | ✘ |
| Batteries included | ✔ |
| Built-in speaker(s) | ✔ |
| Annual energy consumption | 129 kWh |
| Energy efficiency class (old) | A |

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