

**SAMSUNG**

**CU8000 – Crystal UHD 4K Smart TV (2023)**

The crystal clear choice



**43", 50", 55", 65", 75", 85"**

**Top Features**

- Dynamic Crystal Colour** Dynamic Crystal Colour uses advanced phosphor technology to deliver over one billion shades of colour that are as rich and wonderful as nature itself.<sup>1</sup>
- 4K Crystal UHD Resolution** Bring to life your favourite characters in beautiful detail with 4 times the pixels of Full HD. Life-like colour and contrast will reveal cinematic content subtly – even in dark scenes.
- AirSlim Design** The AirSlim Design makes for one sleek and stylish TV. With an incredibly thin profile and built-in cable management to help reduce clutter, all eyes will be on the action.
- Smart Hub** Go beyond Smart TV with Samsung's legendary Tizen OS. Optimise content curation and discovery, so you spend less time searching and more time streaming the movies, games and shows you love. <sup>2</sup>

<sup>1</sup> Picture quality will vary depending on quality and resolution of source content.  
<sup>2</sup> Internet connection and Samsung Account required. Data and subscription charges may apply. Apps and UI may be subject to change without notice. Agreement of the Smart Hub Terms and Conditions and Privacy Policy is required before use. Some services are available to watch after registration and subscription.

|                             |   | 43"                     | 50"                     | 55"                     | 65"                     | 75"                     | 85"                     |
|-----------------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Product                     | Product Category  | LED                     | LED                     | LED                     | LED                     | LED                     | LED                     |
|                             | Model Number  | UA43CU8000WXXY          | UA50CU8000WXXY          | UA55CU8000WXXY          | UA65CU8000WXXY          | UA75CU8000WXXY          | UA85CU8000WXXY          |
| Display                     | Screen Size   | 43"                     | 50"                     | 55"                     | 65"                     | 75"                     | 85"                     |
|                             | Resolution  | 3,840 x 2,160           | 3,840 x 2,160           | 3,840 x 2,160           | 3,840 x 2,160           | 3,840 x 2,160           | 3,840 x 2,160           |
|                             | Motion Rate   | 100                     | 100                     | 100                     | 100                     | 100                     | 200                     |
|                             |   |                         |                         |                         |                         |                         |                         |
| Video                       | Picture Engine  | Crystal Processor 4K    | Crystal Processor 4K    | Crystal Processor 4K    | Crystal Processor 4K    | Crystal Processor 4K    | Crystal Processor 4K    |
|                             | One Billion Colours                                     | Yes                     | Yes                     | Yes                     | Yes                     | Yes                     | Yes                     |
|                             | HDR (High Dynamic Range)                                | HDR                     | HDR                     | HDR                     | HDR                     | HDR                     | HDR                     |
|                             | HDR 10+   | Support                 | Support                 | Support                 | Support                 | Support                 | Support                 |
|                             | HLG (Hybrid Log Gamma)                                  | Yes                     | Yes                     | Yes                     | Yes                     | Yes                     | Yes                     |
|                             | Contrast  | Mega Contrast           | Mega Contrast           | Mega Contrast           | Mega Contrast           | Mega Contrast           | Mega Contrast           |
|                             | Wide Viewing Angle                                      | N/A                     | N/A                     | N/A                     | N/A                     | N/A                     | Wide Viewing Angle      |
|                             | Colour  | Dynamic Crystal Colour  | Dynamic Crystal Colour  | Dynamic Crystal Colour  | Dynamic Crystal Colour  | Dynamic Crystal Colour  | Dynamic Crystal Colour  |
|                             | Micro Dimming   | UHD Dimming             | UHD Dimming             | UHD Dimming             | UHD Dimming             | UHD Dimming             | UHD Dimming             |
|                             | Contrast Enhancer                                       | Yes                     | Yes                     | Yes                     | Yes                     | Yes                     | Yes                     |
|                             | Picture Clarity   | Yes                     | Yes                     | Yes                     | Yes                     | Yes                     | Yes                     |
|                             | Film Mode   | Yes                     | Yes                     | Yes                     | Yes                     | Yes                     | Yes                     |
|                             | Expert Calibration                                      | N/A                     | N/A                     | N/A                     | N/A                     | N/A                     | N/A                     |
|                             | Smart Calibration                                       | N/A                     | N/A                     | N/A                     | N/A                     | N/A                     | N/A                     |
|                             | AI Upscale  | N/A                     | N/A                     | N/A                     | N/A                     | N/A                     | N/A                     |
|                             | Filmmaker Mode  | Yes                     | Yes                     | Yes                     | Yes                     | Yes                     | Yes                     |
| Brightness/Colour Detection | Brightness Detection                                    | Brightness Detection    | Brightness Detection    | Brightness Detection    | Brightness Detection    | Brightness Detection    |                         |
| Audio                       | Dolby Atmos   | N/A                     | N/A                     | N/A                     | N/A                     | N/A                     | N/A                     |
|                             | Object Tracking Sound                                   | OTS Lite                | OTS Lite                | OTS Lite                | OTS Lite                | OTS Lite                | OTS Lite                |
|                             | Q-Symphony  | Yes                     | Yes                     | Yes                     | Yes                     | Yes                     | Yes                     |
|                             | Sound Output (RMS)                                      | 20W                     | 20W                     | 20W                     | 20W                     | 20W                     | 20W                     |
|                             | Speaker Type  | 2CH                     | 2CH                     | 2CH                     | 2CH                     | 2CH                     | 2CH                     |
|                             | Woofer  | N/A                     | N/A                     | N/A                     | N/A                     | N/A                     | N/A                     |
|                             | Multiroom Link  | Yes                     | Yes                     | Yes                     | Yes                     | Yes                     | Yes                     |
|                             | Bluetooth Audio   | Yes                     | Yes                     | Yes                     | Yes                     | Yes                     | Yes                     |
|                             | Active Voice Amplifier                                  | N/A                     | N/A                     | N/A                     | N/A                     | N/A                     | N/A                     |
|                             | Adaptive Sound  | Adaptive Sound          | Adaptive Sound          | Adaptive Sound          | Adaptive Sound          | Adaptive Sound          | Adaptive Sound          |
|                             | Dual Audio Support (Bluetooth)                          | Yes                     | Yes                     | Yes                     | Yes                     | Yes                     | Yes                     |
| Buds Auto Switch            | Yes   | Yes                     | Yes                     | Yes                     | Yes                     | Yes                     |                         |
| Smart Service               | Operating System  | Tizen™ Smart TV         | Tizen™ Smart TV         | Tizen™ Smart TV         | Tizen™ Smart TV         | Tizen™ Smart TV         | Tizen™ Smart TV         |
|                             | Bixby   | Yes                     | Yes                     | Yes                     | Yes                     | Yes                     | Yes                     |
|                             | Far-Field Voice Interaction                             | N/A                     | N/A                     | N/A                     | N/A                     | N/A                     | N/A                     |
|                             | Built-in Voice Assistant                                | Alexa                   | Alexa                   | Alexa                   | Alexa                   | Alexa                   | Alexa                   |
|                             | Works with AI Speaker                                   | Alexa, Google Assistant | Alexa, Google Assistant | Alexa, Google Assistant | Alexa, Google Assistant | Alexa, Google Assistant | Alexa, Google Assistant |
|                             | Samsung TV Plus   | Yes                     | Yes                     | Yes                     | Yes                     | Yes                     | Yes                     |
|                             | Web Browser   | Yes                     | Yes                     | Yes                     | Yes                     | Yes                     | Yes                     |
|                             | SmartThings Hub / Matter Hub / IoT-Sensor Functionality | Yes                     | Yes                     | Yes                     | Yes                     | Yes                     | Yes                     |
|                             | Media Home  | Yes                     | Yes                     | Yes                     | Yes                     | Yes                     | N/A                     |
|                             |   |                         |                         |                         |                         |                         |                         |

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|--------------------|---|---|---|---|---|---|---|
| Smart Feature      | Multi Device Experience                             | Mobile to TV, TV Sound to Mobile, Sound Mirroring, Wireless TV On | Mobile to TV, TV Sound to Mobile, Sound Mirroring, Wireless TV On | Mobile to TV, TV Sound to Mobile, Sound Mirroring, Wireless TV On | Mobile to TV, TV Sound to Mobile, Sound Mirroring, Wireless TV On | Mobile to TV, TV Sound to Mobile, Sound Mirroring, Wireless TV On | Mobile to TV, TV Sound to Mobile, Sound Mirroring, Wireless TV On |
|                    | NFC on TV   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   |
|                    | Video Communication                                 | Google Meet   | Google Meet   | Google Meet   | Google Meet   | Google Meet   | Google Meet   |
|                    | Tap View  | Yes (requires Android 8.1+ with Screen Cast capabilities)         | Yes (requires Android 8.1+ with Screen Cast capabilities)         | Yes (requires Android 8.1+ with Screen Cast capabilities)         | Yes (requires Android 8.1+ with Screen Cast capabilities)         | Yes (requires Android 8.1+ with Screen Cast capabilities)         | Yes   |
|                    | Multi-View  | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   |
|                    | Music Wall  | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   |
|                    | Mobile Camera Support                               | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |
|                    | Easy Setup  | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |
|                    | App Casting   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |
|                    | Ambient Mode  | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   |
|                    | Wireless Dex  | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |
|                    | Web Service   | Microsoft 365   | Microsoft 365   | Microsoft 365   | Microsoft 365   | Microsoft 365   | Microsoft 365   |
| NFT                | Nifty Gateway                                       | Nifty Gateway   | Nifty Gateway   | Nifty Gateway   | Nifty Gateway   | Nifty Gateway   |   |
| Game Feature       | Auto Game Mode (ALLM)                               | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |
|                    | Game Motion Plus                                    | N/A   | N/A   | N/A   | N/A   | N/A   | Yes   |
|                    | Dynamic Black EQ                                    | N/A   | N/A   | N/A   | N/A   | N/A   | Yes   |
|                    | Surround Sound                                      | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   |
|                    | Super Ultra Wide Game View                          | N/A   | N/A   | N/A   | N/A   | N/A   | Yes   |
|                    | MiniMap Zoom  | N/A   | N/A   | N/A   | N/A   | N/A   | Yes   |
|                    | Light-sync  | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   |
|                    | Freesync  | N/A   | N/A   | N/A   | N/A   | N/A   | FreeSync Premium  |
|                    | HGiG  | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |
| Gaming Hub         | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   |   |
| Tuner/Broadcasting | Digital Broadcasting                                | DVB-T(T2 Ready)   | DVB-T(T2 Ready)   | DVB-T(T2 Ready)   | DVB-T(T2 Ready)   | DVB-T(T2 Ready)   | DVB-T(T2 Ready)   |
|                    | Analog Tuner  | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |
|                    | CI (Common Interface)                               | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   |
| Connectivity       | HDMI  | 3   | 3   | 3   | 3   | 3   | 3 (4K 120Hz for HDMI 1/2/3)                                       |
|                    | USB   | 2   | 2   | 2   | 2   | 2   | 2   |
|                    | USB-C (Camera Only)                                 | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   |
|                    | POGO (SlimFit Cam Only)                             | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   |
|                    | Component In (Y/Pb/Pr)                              | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   |
|                    | Ethernet (LAN)                                      | 1   | 1   | 1   | 1   | 1   | 1   |
|                    | Audio Out (Mini Jack)                               | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   |
|                    | Digital Audio Out (Optical)                         | 1   | 1   | 1   | 1   | 1   | 1   |
|                    | RF In (Terrestrial / Cable input / Satellite input) | 1/1(Common Use for Terrestrial)/0                                 | 1/1(Common Use for Terrestrial)/0                                 | 1/1(Common Use for Terrestrial)/0                                 | 1/1(Common Use for Terrestrial)/0                                 | 1/1(Common Use for Terrestrial)/0                                 | 1/1(Common Use for Terrestrial)/0                                 |
|                    | Ex-Link (RS-232C)                                   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   |
|                    | HDMI Audio Return Channel                           | eARC/ARC  | eARC/ARC  | eARC/ARC  | eARC/ARC  | eARC/ARC  | eARC/ARC  |
|                    | WiFi  | Yes (WiFi5)   | Yes (WiFi5)   | Yes (WiFi5)   | Yes (WiFi5)   | Yes (WiFi5)   | Yes (WiFi5)   |
|                    | Bluetooth   | Yes (BT5.2)   | Yes (BT5.2)   | Yes (BT5.2)   | Yes (BT5.2)   | Yes (BT5.2)   | Yes (BT5.2)   |
| Anynet+ (HDMI-CEC) | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |   |

|                      |  | 43"   | 50"   | 55"   | 65"   | 75"   | 85"   |
|----------------------|--|---|---|---|---|---|---|
| Design               | Design                                 | AirSlim   | AirSlim   | AirSlim   | AirSlim   | AirSlim   | AirSlim   |
|                      | Bezel Type                             | 3 Bezel-less  | 3 Bezel-less  | 3 Bezel-less  | 3 Bezel-less  | 3 Bezel-less  | 3 Bezel-less  |
|                      | Slim Type                              | Slim look   | Slim look   | Slim look   | Slim look   | Slim look   | Slim look   |
|                      | Front Colour                           | TITAN GRAY  | TITAN GRAY  | TITAN GRAY  | TITAN GRAY  | TITAN GRAY  | TITAN GRAY  |
|                      | Stand Type                             | FLAT LIFT   | FLAT LIFT   | FLAT LIFT   | FLAT LIFT   | FLAT LIFT   | FLAT LIFT   |
|                      | Stand Colour                           | TITAN GRAY  | TITAN GRAY  | TITAN GRAY  | TITAN GRAY  | TITAN GRAY  | BLACK   |
| Additional Feature   | Auto Rotation                          | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   |
|                      | 9:16 Screen Support                    | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   |
|                      | Knox Vault                             | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   |
|                      | Caption (Subtitle)                     | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |
|                      | ConnectShare™                          | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |
|                      | EPG                                    | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |
|                      | Extended PVR                           | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   |
|                      | OSD Language                           | Local Languages   | Local Languages   | Local Languages   | Local Languages   | Local Languages   | Local Languages   |
|                      | Picture-In-Picture                     | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   |
|                      | Teletext (TTX)                         | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |
|                      | Time Shift                             | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   |
|                      | One Connect Box                        | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   |
|                      | V-Chip                                 | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   |
|                      | MBR Support                            | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |
| Accessibility        | Voice Guide                            | AU English, China Chinese, Korean, France French, Italian, German, Spain Spanish, Malay | AU English, China Chinese, Korean, France French, Italian, German, Spain Spanish, Malay | AU English, China Chinese, Korean, France French, Italian, German, Spain Spanish, Malay | AU English, China Chinese, Korean, France French, Italian, German, Spain Spanish, Malay | AU English, China Chinese, Korean, France French, Italian, German, Spain Spanish, Malay | AU English, China Chinese, Korean, France French, Italian, German, Spain Spanish, Malay |
|                      | Learn TV Remote / Learn Menu Screen    | UK English, French, Spanish   | UK English, French, Spanish   | UK English, French, Spanish   | UK English, French, Spanish   | UK English, French, Spanish   | UK English, French, Spanish   |
|                      | Low Vision Support                     | Zoom Menu and Text, High Contrast, SeeColors, Colour Inversion, Grayscale, Picture Off  | Zoom Menu and Text, High Contrast, SeeColors, Colour Inversion, Grayscale, Picture Off  | Zoom Menu and Text, High Contrast, SeeColors, Colour Inversion, Grayscale, Picture Off  | Zoom Menu and Text, High Contrast, SeeColors, Colour Inversion, Grayscale, Picture Off  | Zoom Menu and Text, High Contrast, SeeColors, Colour Inversion, Grayscale, Picture Off  | Zoom Menu and Text, High Contrast, SeeColors, Colour Inversion, Grayscale, Picture Off  |
|                      | Hearing Impaired Support               | Multi-output Audio, Sign Language Zoom  | Multi-output Audio, Sign Language Zoom  | Multi-output Audio, Sign Language Zoom  | Multi-output Audio, Sign Language Zoom  | Multi-output Audio, Sign Language Zoom  | Multi-output Audio, Sign Language Zoom  |
|                      | Motor Impaired Support                 | Slow Button Repeat  | Slow Button Repeat  | Slow Button Repeat  | Slow Button Repeat  | Slow Button Repeat  | Slow Button Repeat  |
| Power & Eco Solution | Power Supply                           | AC220-240V~ 50/60Hz   | AC220-240V~ 50/60Hz   | AC220-240V~ 50/60Hz   | AC220-240V~ 50/60Hz   | AC220-240V~ 50/60Hz   | AC220-240V~ 50/60Hz   |
|                      | Power Consumption (Max)                | 130 W   | 140 W   | 160 W   | 205 W   | 255 W   | 310 W   |
|                      | Power Consumption (Stand-by)           | 0.5 W   | 0.5 W   | 0.5 W   | 0.5 W   | 0.5 W   | 0.5 W   |
|                      | Power Consumption (Energy Saving Mode) | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   |
|                      | Power Consumption (Typical)            | 70.0 W  | 89.0 W  | 98.0 W  | 123.0 W   | 165.0 W   | 198.0 W   |
|                      | Yearly Power Consumption (EU standard) | 259 kWh   | 328 kWh   | 361 kWh   | 452 kWh   | 605 kWh   | 726 kWh   |
|                      | Eco Sensor                             | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |
|                      | Auto Power Saving                      | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |
|                      | Energy Efficiency Class                | 4   | 4   | 4.5   | 5   | 5   | 5   |
|                      | Auto Power Off                         | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |

|           |   | 43"                      | 50"                       | 55"                       | 65"                       | 75"                        | 85"                        |
|-----------|---|--------------------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|
| Dimension | Package Size (WxHxD)                      | 1093 x 667 x 126 mm      | 1246 x 761 x 131 mm       | 1399 x 846 x 148 mm       | 1612 x 950 x 164 mm       | 1834 x 1110 x 190 mm       | 2075 x 1237 x 220 mm       |
|           | Set Size with Stand (WxHxD)               | 965.5 x 600.1 x 195.1 mm | 1118.3 x 684.6 x 226.3 mm | 1232.1 x 748.8 x 226.3 mm | 1450.9 x 874.3 x 279.4 mm | 1676.7 x 1003.4 x 331.9 mm | 1900.9 x 1131.5 x 394.7 mm |
|           | Set Size without Stand (WxHxD)            | 965.5 x 559.8 x 25.7 mm  | 1118.3 x 644.6 x 25.7 mm  | 1232.1 x 708.8 x 25.7 mm  | 1450.9 x 831.9 x 25.7 mm  | 1676.7 x 960.3 x 26.6 mm   | 1900.9 x 1086.1 x 26.9 mm  |
|           | Stand (Basic) (WxD)                       | 681.9 x 195.1 mm         | 763.6 x 226.3 mm          | 903.6 x 226.3 mm          | 1085.5 x 279.4 mm         | 1266.8 x 331.9 mm          | 1428.6 x 394.7 mm          |
|           | Stand (Minimum) (WxD)                     | N/A                      | N/A                       | N/A                       | N/A                       | 1046.7 x 331.9 mm          | 1130 x 394.7 mm            |
|           | VESA Spec                                 | 200 x 200 mm             | 200 x 200 mm              | 200 x 200 mm              | 400 x 300 mm              | 400 x 400 mm               | 600 x 400 mm               |
|           |   |                          |                           |                           |                           |                            |                            |
| Weight    | Package Weight                            | 11.6 kg                  | 15.9 kg                   | 22.0 kg                   | 28.4 kg                   | 42.3 kg                    | 56.3 kg                    |
|           | Set Weight with Stand                     | 8.7 kg                   | 11.8 kg                   | 15.8 kg                   | 21.4 kg                   | 32 kg                      | 43.5 kg                    |
|           | Set Weight without Stand                  | 8.4 kg                   | 11.5 kg                   | 15.5 kg                   | 20.9 kg                   | 31.4 kg                    | 41.5 kg                    |
|           |   |                          |                           |                           |                           |                            |                            |
| Accessory | Remote Controller Model                   | TM2360E                  | TM2360E                   | TM2360E                   | TM2360E                   | TM2360E                    | TM2360E                    |
|           | Batteries (for Remote Control)            | N/A                      | N/A                       | N/A                       | N/A                       | N/A                        | N/A                        |
|           | Slim Fit Wall-mount Support               | Yes                      | Yes                       | Yes                       | Yes                       | Yes                        | Yes                        |
|           | Studio Stand Support                      | N/A                      | Yes                       | Yes                       | Yes                       | N/A                        | N/A                        |
|           | Optional One Connect Cable Support        | N/A                      | N/A                       | N/A                       | N/A                       | N/A                        | N/A                        |
|           | Vesa Wall Mount Support                   | Yes                      | Yes                       | Yes                       | Yes                       | Yes                        | Yes                        |
|           | Auto-Rotation Accessory Support           | N/A                      | N/A                       | N/A                       | N/A                       | N/A                        | N/A                        |
|           | Full Motion Slim Wall Mount Support (Y22) | Yes                      | Yes                       | Yes                       | Yes                       | Yes                        | Yes                        |
|           | SlimFit Cam Support                       | Yes                      | Yes                       | Yes                       | Yes                       | Yes                        | Yes                        |
|           | Zigbee / Thread Module                    | Dongle Support           | Dongle Support            | Dongle Support            | Dongle Support            | Dongle Support             | Dongle Support             |
|           | User Manual                               | Yes                      | Yes                       | Yes                       | Yes                       | Yes                        | Yes                        |
|           | E-Manual                                  | Yes                      | Yes                       | Yes                       | Yes                       | Yes                        | Yes                        |
|           | Power Cable                               | Yes                      | Yes                       | Yes                       | Yes                       | Yes                        | Yes                        |