

QE55Q90RA

Display

Screen size 55 "
Resolution 3840 x 2160
Ultra Black Yes

Video

Processor Quantum 4K processor
PQI (Picture Quality Index) 4000
HDR (High Dynamic Range) Quantum HDR 2000
HDR 10+ Yes
HLG (Hybrid Log Gamma) Yes
Contrast Direct Full Array 10x
Colour Volume Colour 100% by Quantum Dot
Supreme UHD Dimming
Micro Dimming
Billion Colours Yes
Viewing Angle Ultra
Contrast Enhancer Yes
Local Dimming Direct Full Array Elite
Film Mode Yes
Contrast Enhancer Yes
Film Mode Yes
Support Natural Mode Yes

Audio

Dolby Digital Plus Yes
Dialog Enhancement Yes
Audio Pre-selection Descriptor Yes
Audio Power (RMS) 60W
Speaker Type 4.2CH
Woofer Yes
Multiroom Link Yes
Bluetooth Audio Yes

Convergence

TV to Mobile - Second TV Yes
Mobile to TV - Mirroring, DLNA Yes
360 Video Player Yes
360 Camera Support Yes
Bluetooth Low Energy Yes
Wi-Fi Direct Yes
TV Sound to Mobile Yes
Sound Mirroring Yes

Connectivity

HDMI 4
USB 3
Composite (AV) N / D
Ethernet (LAN) Yes
Digital Audio Output (Optical) 1
RF Input (Terrestrial / Cable) 1/1 (Common use for Terrestrial) / 2
CI Slot 1
Support HDMI A / Return Ch. Yes
HDMI Quick Switch Yes
Wireless LAN Built-in Yes
Anynet + (HDMI-CEC) Yes

Design

Design Q
Type Frame 4 Bezel-Less
Type Slim
Carbon Silver Frame Colour
Dark Eclipse Silver Graphite Black



Other characteristics

AI Technology Yes
AI Upscale Yes
Ambient Mode Yes
Ambient Mode Brightness / Colour Sensor Yes
Digital Clean View Yes
Automatic Channel Search Yes
Auto Power Off Yes
Subtitles Yes
Connect Share™ (HDD) Yes
Connect Share™ (USB 2.0) Yes
EPG Yes
Extended PVR Yes (N / A for IT)
Game Mode Yes (Auto Game Mode, Game Motion Plus, Dynamic Black EQ, Game Enhancer)
Freesync FreeSync
Picture-In-Picture Yes

Eco

Eco sensor Yes
Energy efficiency class B

Supply

Consumption (Max) 200 W
Energy consumption (stand-by) 0.50 W
Consumption (Energy Saving Mode) 79.6 W
Energy consumption (Typical) 153 W
Peak brightness ratio 72%
Annual energy consumption (EU standard) 212 kWh

Dimensions

Packaging dimensions (WxHxD) 1418 x 846 x 190 mm
Dimensions with base (WxHxD) 1231.2 x 796.7 x 235.3 mm
Dimensions without base (WHxD) 1231.2 x 708.1 x 39.9 mm
Stand (Basic) (WxD) 302.8 x 235.3 mm

Weight

Total weight with packaging 34.3 kg
Weight with base 24.7 kg
Weight without base 20.5 kg

Accessories

remote control(* XU: TM1990C)
Remote control batteries Yes
Samsung Smart Control (included) Yes
Mini Bracket Support Yes
VESA bracket support Yes
User Manual Yes
E-Manual Yes
Power cord Yes