



**Product  
Image display**

Manufacturer Model **85U7HNZ**

Screen size (rounded to nearest integer)	cm	214.78
Screen size (rounded to nearest integer)	inch	84.56
Display technology		LCD/ LED
Backlight source		Direct LED
Resolution (Horiz x Vert)	pixel	3840X2160
Colour depth	bit	8bit+FRC
Smooth motion rate		200
Native contrast ratio		4000 : 1
Viewing Angle (Horiz / Vert)	Degrees	178/ 178
Quantum dot		Yes
Wide colour gamut		Yes

**Image  
processing**

Backlight control		Yes
Light sensing		Yes
Variable Refresh Rate (VRR)		Yes
FreeSync		Yes
Auto Low Latency Mode for VRR		Yes
Full Array Local Dimming Pro		Yes
Zoom function settings		Automatic/ 16:9/ 4:3/Movie Zoom
HDR - High Dynamic Range for luminance (DMP / Netflix / HDMI)		Yes/ YES / YES
HDR system (HDR10 / HDR10+ / Dolby Vision)		Yes/ YES / YES
HLG (Hybrid Log-Gamma) for HDR		Yes
HEVC (H.265) decoder		Yes
Motion enhancement and compensation (MEMC)		Yes

**Hardware**

Processor		Quad core
Colour (Front bezel, rear, stand)		Black / Black / Black
Speakers mounted in enclosure		Yes
Supply range [Voltage / Frequency]	Volt / Hz	100 ~ 240V, 50Hz/60Hz
Standby consumption	Watt	< 0.5W

**Inputs**

HDMI inputs		4
HDMI type 4K@60Hz with HDCP version 2.2		Yes
HDMI 2.1 compliant input (4K@120Hz)		Yes / HDMI 3 & 4
Enhanced Audio Return Channel ( eARC)		Yes / HDMI 3
CEC- Consumer Electronics Control via HDMI		Yes
RF- Radio frequency input		1
AV input		1
AV output		0
USB interface type 3.0 (Qty / List...)		1/ USB1
USB interface type 2.0 (Qty / List ...)		1/ USB2
Optical digital audio output (SPDIF)		1
Earphone jack		1

**Smart TV**

Smart TV operating system		VIDAA U6
Ethernet port (RJ45 connector)		1
Wi-Fi protocols IEEE 802.11 {b, g, n, ac, ad, ..}		a, b, g, n, ac
Wi-Fi bands	GHz	2.4/5.0
DLNA compliance		Yes
Bluetooth / BT version		Yes / 5.0
Anyview (Screen mirroring)		Yes
Streaming Video On Demand		Yes
UHD (4k) streaming		Yes
Freeview Plus		Yes
Web browser		Yes
Smartphone remote control application		Yes

*\*Specifications subject to change at any time.*

	Voice command		Yes	
<b>Digital TV</b>	Television system (DVB-T / DVB-T2)		Yes / Yes	
	Video decoder (MPEG2 / MPEG 4)		Yes / Yes	
	AC3 Surround sound decoder		Yes	
	AS 4599.1 compliance		Yes	
	AS 4933.1 compliance		Yes	
	LCN- Logical channel number and DTV Service name support		Yes	
	Teletext / Teletext signal interruption (TAB compliant) / 16 : 9 TLTX		Yes / Yes / Yes	
	Subtitles		Yes	
	RF Signal strength indicator		Yes	
	RF Signal quality indicator		Yes	
	RF Bit error rate indicator		Yes	
	EPG- Electronic programming guide, 7 days for all services		Yes	
	Audio description (vision impairment aid)		Yes	
	Parental rating lock		Yes	
	On/off timer		Yes	
	Power off if no signal		Yes	
	Sleep timer		Yes	
	Program lock		Yes	
	Favourite channels list		Yes	
	OTA- Over the air software updates		Yes	
<b>Sound</b>	Audio power output per channel	Watt	15	
	Number of speakers (Tweeter / Midrange / Woofer)		0 / 2 / 1	
	Automatic volume level (AVL)		Yes	
	Audio equalizer		Yes	
	Dolby Digital		Yes	
	Audio enhancement -Type {SRS, BBE, SAP, DBX-TV...}		Dolby ATMOS	
	Lip-sync adjustment		Yes	
	<b>USB media player</b>	Personal Video Recorder		Yes
		Time Shift		Yes
		DTV Recording (EPG scheduling / start from Standby )		Yes / Yes
DivX decoder			No	
MPEG4 (H.264) / H.265 decoder			Yes / Yes	
DMP- Digital media player content (Music / Video / Photos / Text)			Yes / Yes / Yes / No	
DMP for UHD content via USB			Yes	
Supported File Formats			FAT / FAT32 / NTFS	
<b>Hotel lock</b>	Protected Hotel lock submenu (Password / fixed code)		No / Yes	
	Clone function for programs, sound and image settings.		Yes	
	Sub-menu lock, including tuning lock		Yes	
	Keyboard lock		Yes	
	Maximum volume lock		Yes	
	Power on volume		Yes	
	Power on, apply default sound/image settings		No	
	Power on source selection		Yes	
	Power on RF channel selection		Yes	
	Power on mode (On / Standby / Last)		Yes / Yes / Yes	
Inputs access (Enable / Disable)		Yes		
<b>Installation</b>	Stand area (Width / Depth)	mm	1401×453	
	VESA Wall mount dimensions (Horiz x Vert)	mm	600×400	
	Wall mount, screw thread	mm	M8/10	
	Detachable power cord		Yes	
	Power cord length	cm	200	
<b>Accessories</b>	Remote controller (Technology / Part number)		BT/ERF3H86H	
	Battery (size / quantity)		AA / 2	
	User manual (Available online) / Quick setup guide (Print)		1 / 1	
	Warranty [In User manual   In separate sheet]		In separate sheet	
<b>Dimensions</b>	Dimensions with stand (W x H x D)	mm	1903×1169×453	
	Dimensions without stand (W x H x D)	mm	1903×1088×80	
	Carton box dimensions (W x H x D)	mm	2093×269×1277	
	Net weight (with stand / without stand)	kg	43.7Kg/42.5Kg	
	Gross weight	kg	60.7 Kg	