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## HOSPITALITY DISPLAYS

For more information about Samsung Hospitality Displays, visit [www.samsung.com/business](http://www.samsung.com/business) or [www.samsung.com/displaysolutions](http://www.samsung.com/displaysolutions)

Screen images simulated.

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2018-02



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# SAMSUNG HOSPITALITY DISPLAYS

## HF690U SERIES (SEA\_SWA\_MEA)

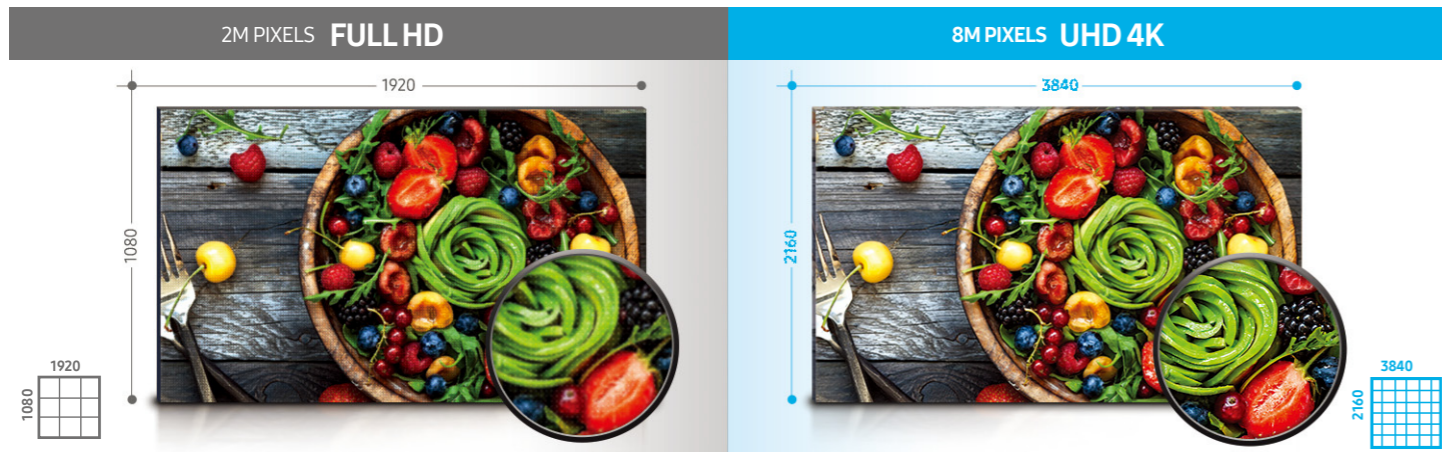
Elevate the Guest Experience with Samsung's Versatile HF690U Hospitality Displays

Today's premium and luxury hotel guests expect an in-room environment that provides, or even surpasses, the comforts of home. Through crystal-clear, UHD-quality content presentation and convenient operations, Samsung's HF690U displays foster a more memorable stay experience. The HF690U displays place a detailed library of content and in-room functionality within reach, all accessible through an intuitive, customizable home menu. Hotel operators also can enjoy more efficient guest interaction and operations through a thorough design. Each HF690U display is backed by the powerful Tizen OS, which enables secure and rapid development of business-ready web applications.

## HIGHLIGHTS

- Deliver high quality content with UHD resolution
- Develop and deploy compatible web applications within the powerful Tizen OS
- Showcase powerful content securely through the integrated H.Browser
- Tailor individual home menus to suit guests' personalized needs
- Develop and share personalized content through the centralized LYNK REACH 4.0 server
- Synchronize multiple displays for more efficient management using the LYNK HMS Server





## UHD-QUALITY CONTENT DELIVERY

Today's premium and luxury hotel guests expect the same excellent clarity and picture quality from their in-room displays as they receive at home. Samsung's HF690U Series delivers this enhanced viewing experience through exceptionally vivid and detailed imagery. Featuring UHD resolution (3,840 x 2,160) that delivers four times the pixels of FHD formats, the HF690U Series showcases each image's most intricate details for a brilliant, realistic presentation.

**Samsung Hospitality Displays secured by Knox**

Application | Platform | System

Higher Graphic Performance **Tizen 3.0** 42FPS

Low Graphic Performance **Conventional** 11FPS

## POWERFUL GRAPHIC PERFORMANCE WITH ENHANCED SECURITY

Backed by the powerful TIZEN operating system, Samsung's hospitality displays ensure secure, seamless delivery of vital hospitality content. The TIZEN OS arms each display with a rigid, three-layer protective structure that provides added defense across the application, platform and system layers. This reinforced security also enables TIZEN's integrated H.Browser technology to successfully render 2D and 3D content and achieve faster upload and response times.

**Web App SDK**

- HTML5 and Standards Based
- TV Extended Web API
- Light Weight Web Simulator
- Extensive Tool suite

**Utility Tools & Support**

- Live Debugging
- Real TV Connection
- Debugging & Profiling
- Tizen Community

## SIMPLE, COMPATIBLE WEB APP DEVELOPMENT

Beyond its advanced graphics capabilities, Samsung's H.Browser technology empowers fast and accurate application development from any location. All applications are compatible with, and can be developed and stored within, the TIZEN OS, and are backed by an advanced Software Development Kit (SDK). The platform's Web Simulator and Remote Web Inspector (RWI) tools further refine applications through real-time performance and security testing.

**A TAILORED HOME MENU FOR GUESTS**

- Logo Image
- Background Images / Video
- SmoothText Overlay
- Customizable & Unlimited Feature Icons

## A TAILORED HOME MENU FOR GUESTS

The embedded TIZEN platform also enables hotel managers to customize their displays' home menus to match their unique brand and offerings. This includes unlimited icons in the bottom scroll bar and the addition of customized imagery and logo placement in the background. As a result, managers and guests alike can navigate the interface freely and at improved efficiency.

**CENTRALIZED, REAL-TIME MANAGEMENT**

- Room Management & Remote Control
- TV Setting
- Check in/out status
- Guest Information
- Room Information
- Network Setting

## CENTRALIZED, REAL-TIME MANAGEMENT

As a unified content management solution, LYNK REACH 4.0 accommodates LAN, Wi-Fi, and coaxial infrastructures to amplify hotel management, monitoring and guest service functions. The LYNK REACH 4.0 platform's centralized, real-time monitoring streamlines maintenance demands. Hotel managers can select single display or display groups and troubleshoot guest issues before they escalate.

**END-TO-END PERSONALIZED SERVICE**

- Hotel PMS
- LYNK REACH 4.0
- Express Check Out
- Personalized Instant Message

## END-TO-END PERSONALIZED SERVICE

Hotels additionally can use the LYNK REACH 4.0 platform to deliver customized messages to guests relevant to their specific stay details or interests. As guests arrive, hotel operators can greet them with a personalized welcome message while also promoting on-site amenities and promotions. Once the stay concludes, LYNK REACH 4.0 offers express check-out to save guests the time and hassle of a trip to the lobby.

**CONVENIENT AND THOROUGH ROOM MANAGEMENT**

- Lighting
- Door Sensor
- Thermostat
- Drapes Control
- Monitor Sensor
- DND / MUR Signage
- Room Management App
- HMS Server
- Hotel PMS

## CONVENIENT AND THOROUGH ROOM MANAGEMENT

Hospitality display users additionally can leverage the displays' integrated LYNK HMS technology to manage room settings and guest-staff communication more conveniently and efficiently. LYNK HMS' Room Management Solution (RMS) streamlines hotel maintenance while offering more detailed visibility into in-room device performance and energy use. The complementary In-Room Control (IRC) Service allows guests to manage lighting, drapes and on-screen content from a single, user-friendly interface.

**DELIGHT GUESTS AT A REDUCED COST**

- Guest In: Lighting On, Thermostat On, TV On
- Guest Out: Lighting Off, Thermostat Off, TV Off

## DELIGHT GUESTS AT A REDUCED COST

Samsung's LYNK HMS technology empowers hotel operators to deliver a pleasant and memorable guest experience in a more efficient, cost-friendly manner. The platform's Energy Management Solution (EMS) adjusts in-room heat and air settings based on guest occupancy and avoids wasting energy on empty rooms. LYNK HMS's Content Management Solution (CMS) streamlines content creation and delivery throughout the hotel, driving more impactful and hassle-free delivery of important messages.

- SWIVEL STAND**: Customize preferred viewing angle and protect displays with lock-down plates
- ETHERNET BRIDGE**: Offers additional IP connection without a router
- PLUG AND PLAY**: Easily set up and synchronize multiple displays and servers
- BLUETOOTH MUSIC PLAYER**: Stream music from personal devices directly through the display's speakers
- CONTENT SHARING (MOBILE TO TV MIRRORING, SMART VIEW)**: Synchronize with up to four mobile devices for seamless content streaming
- SECURITY MODE**: Prevent unauthorized external sources such as HDMI, USB and TTX
- LYNK DRM**: Safe, cost-efficient alternative to hardware-based content protection systems
- SOUND BAR COMPATIBILITY**: Connect the displays with powerful audio
- SI COMPATIBILITY**: Save time and effort when connecting with system integrators' set-top boxes

**SPECIFICATIONS**

**SOUTH EAST ASIA**

**SOUTH EAST ASIA**

MODEL		65AF690U HG65AF690UK	
Display	Backlight	LED	
	Inch (Real Inch)	65	
	Resolution	3,840 × 2,160	
Video	Picture Engine	UHD Up-Scaling	
	Dynamic Contrast Ratio	Mega Contrast	
	Micro Dimming	UHD Dimming	
	Active Crystal Color	N/A	
	Wide Color Enhancer (Plus)	N/A	
	Auto Motion Plus	Yes	
	Film Mode	Yes	
Audio	Dolby Digital Plus	Yes	
	DTS Codec	N/A	
	Sound Output (RMS)	20W (L:10W, R:10W)	
	Speaker Type	2CH (Down Firing w/Bass Reflex)	
	Bluetooth Audio	Yes	
Smart Service	Smart TV Type	Smart	
	Web Browser	Yes	
	Smart View	Yes	
Smart Feature	TV to Mobile - Mirroring	N/A	
	Mobile to TV - Mirroring, DLNA	Yes	
Differentiation	Sports Mode	N/A	
	All Care Protection	N/A	
Feature	Processor	Quad-Core	
	Accessibility	Voice guide (AU English)/ Enlarge/High contrast/ Multi-output Audio	
	Digital Clean View	Yes	
	Auto Channel Search	Yes	
	Auto Power Off	Yes	
	Caption (Subtitle)	Yes	
	ConnectShare™ (HDD)	Yes	
	ConnectShare™ (USB 2.0)	Yes	
	EPG	Yes	
	Game Mode	Yes	
	OSD Language	Local Languages	
	Picture-In-Picture	N/A	
	BT HID Support	Yes	
	USB HID Support	Yes	
	Teletext (TTX)	Yes	
	System	Digital Broadcasting	DVB-T2C
		Analog Tuner	Yes
CI (Common Interface)		N/A	
Data Broadcasting		HbbTV1.5 (SG)	
Hospitality Feature	Samsung LYNK™ HMS Compatibility	Yes	
	H.Browser	Yes	
	Samsung LYNK™ REACH (IP)	REACH 4.0	

MODEL		65AF690U HG65AF690UK
Hospitality Feature	Samsung LYNK™ REACH (RF)	REACH 4.0
	Hospitality Home Menu	Home Menu 2017
	Bluetooth Music Player (Mobile → TV)	Yes
	Hospitality Plug&Play (Easy Set-up)	Yes
	Auto Source Mode	Yes
	Power On Mode	Yes
	Hotel Channel List	Yes
	Channel Menu Display	Yes
	Mixed Channel List (ATSC, DVB-T/T2/C/S2, Analog)	Yes
	My Channel	Yes
	Energy Saving Mode(BLU control)	Yes
	Logo Display with Time Out Setting (BMP/Movie)	Yes
	Welcome Message	Yes
	RJ12 / IR Pass Through	Yes
	External Clock Compatibility	N/A
	Clock Back Up Supply	Yes
	External Clock Dimming Control	N/A
	Software Clock	N/A
	Multi Code Remote control	Yes
	Sound Bar Compatibility	Yes
	Music Mode (Input: PC/AV/Component/HDMI)	Yes
	Music Mode Backlight on/off	Yes
	TTX Clock Update (Analogue)	Yes
	USB Cloning	Yes
	Smovie Compatibility	Yes
	Soft AP	Yes
	On/Off Timer (Schedule)	Yes
	Alarm	Yes
	Samsung LYNK™ DRM RF	Yes
	Samsung LYNK™ DRM IP	Yes
	Pro:Idiom RF	N/A
	Pro:Idiom IP	N/A
	bLAN	N/A
Security Mode	Yes	
S/W EPG (Solution EPG)	Yes	
Input & Output	HDMI (Side/Rear)	2/1
	USB (Side/Rear)	2/0
	Component In (Y/Pb/Pr) (Side/Rear)	0/1
	Composite In (AV) (Side/Rear)	0/1 (Common Use for Component Y)
	Ethernet (LAN) (Side/Rear)	1/0
	Headphone (Side/Rear)	1/0
	Audio Out (Mini Jack / LR) (Side/Rear)	N/A
	Digital Audio Out (Optical) (Side/Rear)	1/0
	RF In (Terrestrial/Cable input/Satellite Input) (Side/Rear)	1/1 (Common Use for Terrestrial)
	Ex-Link ( RS-232C ) (Side/Rear)	N/A
CI Slot (Side/Rear)	N/A	

## SOUTH EAST ASIA

MODEL		65AF690U HG65AF690UK
Input & Output	Scart (Side/Rear)	N/A
	HDMI A / Return Ch. Support	Yes
	Wireless LAN Adapter Support	N/A
	Wireless LAN Built-in	Yes
	Anynet+ (HDMI-CEC)	Yes
	Pillow Speaker Jack (Side/Rear)	N/A
	Variable Audio Out (Side/Rear)	0/1
	Variable Audio Out Volume Control (Side/Rear)	0/1
	Video Out (Side/Rear)	N/A
	RJ12 (Side/Rear)	0/1
	RJP (Remote Jackpack) (Side/Rear)	1/0
	Headphone ID (Side/Rear)	0/1
	Door-Eye Control (Side/Rear)	N/A
	Door-Eye Video In (Side/Rear)	N/A
	PC In (D-sub)(Side./Rear)	N/A
	PC/DVI Audio In (Mini Jack)(Side./Rear)	N/A
Ethernet-Out (LAN-Out) (Side/Rear)	1/0	
Design	Front Color	Black
	Stand Type	Square
	Swivel (Left/Right)	Yes (90/90)
Dimension (WxHxD)	Set Size without Stand (WxHxD)(mm)	1463.5 x 844.5 x 64.6
	Set Size with Stand (WxHxD)(mm)	1463.5 x 923.4 x 355.1
	Package Size (WxHxD)(mm)	1760.0 x 977.0 x 210.0
Weight	Set Weight without Stand (kg)	23.8
	Set Weight with Stand (kg)	28.9
	Package Weight (kg)	38.5
Accessory	Remote Controller Model	TM1240A
	Battery (for Remote Control)	Yes
	Samsung Smart Control (Included)	N/A
	Mini Wall Mount Support	Yes
	Vesa Wall Mount Support	Yes
	Power Cable	Yes
	Quick Install Guide	Yes
	Data Cable	Yes
	Stand Mount Kit	Yes
	Stand Security Screws	N/A
	Angle Adaptor (for Side RF tuner)	N/A
VESA Standard	VESA Size	400 x 400
	Wall Mount Screw Size	M8

## SPECIFICATIONS

## PHILIPPINES

MODEL		65AF690U HG65AF690UG
Display	Backlight	LED
	Inch (Real Inch)	65
	Resolution	3,840 x 2,160
Video	Picture Engine	UHD Up-Scaling
	Dynamic Contrast Ratio	Mega Contrast
	Micro Dimming	UHD Dimming
	Active Crystal Color	N/A
	Wide Color Enhancer (Plus)	N/A
	Auto Motion Plus	Yes
Audio	Film Mode	Yes
	Dolby Digital Plus	Yes
	DTS Codec	N/A
	Sound Output (RMS)	20W(L:10W, R:10W)
	Speaker Type	2CH(Down Firing w/Bass Reflex)
	Bluetooth Audio	Yes
Smart Service	Smart TV Type	Smart
	Web Browser	Yes
	Smart View	Yes
Smart Feature	TV to Mobile - Mirroring	N/A
	Mobile to TV - Mirroring, DLNA	Yes
Differentiation	Sports Mode	N/A
	All Care Protection	N/A
Feature	Processor	Quad-Core
	Accessibility	Voice guide(AU English)/ Enlarge/ High contrast/ Multi-output Audio
	Digital Clean View	Yes
	Auto Channel Search	Yes
	Auto Power Off	Yes
	Caption (Subtitle)	Yes
	ConnectShare™ (HDD)	Yes
	ConnectShare™ (USB 2.0)	Yes
	EPG	Yes
	Game Mode	Yes
	OSD Language	Local Languages
	Picture-In-Picture	N/A
	BT HID Support	Yes
	USB HID Support	Yes
	Teletext (TTX)	N/A
	System	Digital Broadcasting
Analog Tuner		Yes
CI (Common Interface)		N/A
Data Broadcasting		N/A
Hospitality Feature	Samsung LYNK™ HMS Compatibility	Yes
	H.Browser	Yes
	Samsung LYNK™ REACH (IP)	REACH 4.0



MODEL		65AF690U HG65AF690UG
Hospitality Feature	Samsung LYNK™ REACH (RF)	REACH 4.0
	Hospitality Home Menu	Home Menu 2017
	Bluetooth Music Player (Mobile → TV)	Yes
	Hospitality Plug&Play (Easy Set-up)	Yes
	Auto Source Mode	Yes
	Power On Mode	Yes
	Hotel Channel List	Yes
	Channel Menu Display	Yes
	Mixed Channel List (ATSC, DVB-T/T2/C/S2, Analog)	Yes
	My Channel	Yes
	Energy Saving Mode(BLU control)	Yes
	Logo Display with Time Out Setting (BMP/Movie)	Yes
	Welcome Message	Yes
	RJ12 / IR Pass Through	Yes
	External Clock Compatibility	N/A
	Clock Back Up Supply	Yes
	External Clock Dimming Control	N/A
	Software Clock	N/A
	Multi Code Remote control	Yes
	Sound Bar Compatibility	Yes
	Music Mode (Input: PC/AV/Component/HDMI)	Yes
	Music Mode Backlight on/off	Yes
	TTX Clock Update (Analogue)	Yes
	USB Cloning	Yes
	Smovie Compatibility	Yes
	Soft AP	Yes
	On/Off Timer (Schedule)	Yes
	Alarm	Yes
	Samsung LYNK™ DRM RF	Yes
	Samsung LYNK™ DRM IP	Yes
	Pro:Idiom RF	N/A
	Pro:Idiom IP	N/A
	bLAN	N/A
	Security Mode	Yes
S/W EPG (Solution EPG)	Yes	
Input & Output	HDMI (Side/Rear)	2/1
	USB (Side/Rear)	2/0
	Component In (Y/Pb/Pr) (Side/Rear)	0/1
	Composite In (AV) (Side/Rear)	0/1 (Common Use for Component Y)
	Ethernet (LAN) (Side/Rear)	1/0
	Headphone (Side/Rear)	1/0
	Audio Out (Mini Jack / LR) (Side/Rear)	N/A
	Digital Audio Out (Optical) (Side/Rear)	1/0
	RF In (Terrestrial/Cable input/Satellite Input) (Side/Rear)	1/1 (Common Use for Terrestrial)
	Ex-Link ( RS-232C ) (Side/Rear)	N/A
CI Slot (Side/Rear)	N/A	

MODEL		65AF690U HG65AF690UG
Input & Output	Scart (Side/Rear)	N/A
	HDMI A / Return Ch. Support	Yes
	Wireless LAN Adapter Support	N/A
	Wireless LAN Built-in	Yes
	Anynet+ (HDMI-CEC)	Yes
	Pillow Speaker Jack (Side/Rear)	N/A
	Variable Audio Out (Side/Rear)	0/1
	Variable Audio Out Volume Control (Side/Rear)	0/1
	Video Out (Side/Rear)	N/A
	RJ12 (Side/Rear)	0/1
	RJP (Remote Jackpack) (Side/Rear)	1/0
	Headphone ID (Side/Rear)	0/1
	Door-Eye Control (Side/Rear)	N/A
	Door-Eye Video In (Side/Rear)	N/A
	PC In (D-sub)(Side./Rear)	N/A
	PC/DVI Audio In (Mini Jack)(Side./Rear)	N/A
Ethernet-Out (LAN-Out) (Side/Rear)	1/0	
Design	Front Color	Black
	Stand Type	Square
	Swivel (Left/Right)	Yes(90/90)
Dimension (WxHxD)	Set Size without Stand (WxHxD)(mm)	1463.5 x 844.5 x 64.6
	Set Size with Stand (WxHxD)(mm)	1463.5 x 923.4 x 355.1
	Package Size (WxHxD)(mm)	1760.0 x 977.0 x 210.0
Weight	Set Weight without Stand (kg)	23.8
	Set Weight with Stand (kg)	28.9
	Package Weight (kg)	38.5
Accessory	Remote Controller Model	TM1240A
	Battery (for Remote Control)	Yes
	Samsung Smart Control (Included)	N/A
	Mini Wall Mount Support	Yes
	Vesa Wall Mount Support	Yes
	Power Cable	Yes
	Quick Install Guide	Yes
	Data Cable	Yes
	Stand Mount Kit	Yes
	Stand Security Screws	N/A
	Angle Adaptor (for Side RF tuner)	N/A
VESA Standard	VESA Size	400 x 400
	Wall Mount Screw Size	M8

MODEL		65AF690U HG65AF690UK	
Display	Backlight	LED	
	Inch (Real Inch)	65	
	Resolution	3,840 × 2,160	
Video	Picture Engine	UHD Up-Scaling	
	Dynamic Contrast Ratio	Mega Contrast	
	Micro Dimming	UHD Dimming	
	Active Crystal Color	N/A	
	Wide Color Enhancer (Plus)	N/A	
	Auto Motion Plus	Yes	
	Film Mode	Yes	
Audio	Dolby Digital Plus	Yes	
	DTS Codec	N/A	
	Sound Output (RMS)	20W (L:10W, R:10W)	
	Speaker Type	2CH (Down Firing w/Bass Reflex)	
Smart Service	Smart TV Type	Smart	
	Web Browser	Yes	
	Smart View	Yes	
Smart Feature	TV to Mobile - Mirroring	N/A	
	Mobile to TV - Mirroring, DLNA	Yes	
Differentiation	Sports Mode	N/A	
	All Care Protection	N/A	
Feature	Processor	Quad-Core	
	SCSA Support	N/A	
	Accessibility	Voice guide (AU English)/ Enlarge/High contrast/ Multi-output Audio	
	Digital Clean View	Yes	
	Auto Channel Search	Yes	
	Auto Power Off	Yes	
	Caption (Subtitle)	Yes	
	ConnectShare™ (HDD)	Yes	
	ConnectShare™ (USB 2.0)	Yes	
	EPG	Yes	
	Game Mode	Yes	
	OSD Language	Local Languages	
	Picture-In-Picture	N/A	
	BT HID Support	Yes	
	USB HID Support	Yes	
	Teletext (TTX)	Yes	
	System	Digital Broadcasting	DVB-T2C
		Analog Tuner	Yes
		CI (Common Interface)	N/A
		Data Broadcasting	N/A
Hospitality Feature	Samsung LYNK™ HMS Compatibility	Yes	
	H.Browser	Yes	
	Samsung LYNK™ REACH (IP)	REACH 4.0	

MODEL		65AF690U HG65AF690UK	
Hospitality Feature	Samsung LYNK™ REACH (RF)	REACH 4.0	
	Hospitality Home Menu	Home Menu 2017	
	Bluetooth Music Player (Mobile → TV)	Yes	
	Hospitality Plug&Play (Easy Set-up)	Yes	
	Auto Source Mode	Yes	
	Power On Mode	Yes	
	Hotel Channel List	Yes	
	Channel Menu Display	Yes	
	Mixed Channel List (ATSC, DVB-T/T2/C/S2, Analog)	Yes	
	My Channel	Yes	
	Energy Saving Mode(BLU control)	Yes	
	Logo Display with Time Out Setting (BMP/Movie)	Yes	
	Welcome Message	Yes	
	RJ12 / IR Pass Through	Yes	
	External Clock Compatibility	N/A	
	Clock Back Up Supply	Yes	
	External Clock Dimming Control	N/A	
	Software Clock	N/A	
	Multi Code Remote control	Yes	
	Sound Bar Compatibility	Yes	
	Music Mode (Input: PC/AV/Component/HDMI)	Yes	
	Music Mode Backlight on/off	Yes	
	TTX Clock Update (Analogue)	Yes	
	USB Cloning	Yes	
	Smovie Compatibility	Yes	
	Soft AP	Yes	
	On/Off Timer (Schedule)	Yes	
	Alarm	Yes	
	Samsung LYNK™ DRM RF	Yes	
	Samsung LYNK™ DRM IP	Yes	
	Pro:Idiom RF	N/A	
	Pro:Idiom IP	N/A	
	bLAN	N/A	
	Security Mode	Yes	
	S/W EPG (Solution EPG)	N/A	
	Input & Output	HDMI (Side/Rear)	2/1
		USB (Side/Rear)	2/0
		Component In (Y/Pb/Pr) (Side/Rear)	0/1
Composite In (AV) (Side/Rear)		0/1 (Common Use for Component Y)	
Ethernet (LAN) (Side/Rear)		1/0	
Headphone (Side/Rear)		1/0	
Audio Out (Mini Jack / LR) (Side/Rear)		N/A	
Digital Audio Out (Optical) (Side/Rear)		1/0	
RF In (Terrestrial/Cable input/Satellite Input) (Side/Rear)		1/1 (Common Use for Terrestrial)	
Ex-Link ( RS-232C ) (Side/Rear)		N/A	
CI Slot (Side/Rear)	N/A		

## SOUTH WEST ASIA

MODEL		65AF690U HG65AF690UK
Input & Output	Scart (Side/Rear)	N/A
	HDMI A / Return Ch. Support	Yes
	HDMI Quick Switch	Yes
	Wireless LAN Adapter Support	N/A
	Wireless LAN Built-in	Yes
	Anynet+ (HDMI-CEC)	Yes
	Pillow Speaker Jack (Side/Rear)	N/A
	Variable Audio Out (Side/Rear)	0/1
	Variable Audio Out Volume Control (Side/Rear)	0/1
	Video Out (Side/Rear)	N/A
	RJ12 (Side/Rear)	0/1
	RJP (Remote Jackpack) (Side/Rear)	1/0
	Headphone ID (Side/Rear)	0/1
	Door-Eye Control (Side/Rear)	N/A
	Door-Eye Video In (Side/Rear)	N/A
	PC In (D-sub)(Side./Rear)	N/A
	PC/DVI Audio In (Mini Jack)(Side./Rear)	N/A
Ethernet-Out (LAN-Out) (Side/Rear)	1/0	
Design	Front Color	Black
	Stand Type	Square
	Swivel (Left/Right)	Yes (90/90)
Dimension (WxHxD)	Set Size without Stand (WxHxD)(mm)	1463.5 x 844.5 x 64.6
	Set Size with Stand (WxHxD)(mm)	1463.5 x 923.4 x 355.1
	Package Size (WxHxD)(mm)	1760.0 x 977.0 x 210.0
Weight	Set Weight without Stand (kg)	23.8
	Set Weight with Stand (kg)	28.9
	Package Weight (kg)	38.5
Accessory	Remote Controller Model	TM1240A
	Battery (for Remote Control)	Yes
	Samsung Smart Control (Included)	N/A
	Mini Wall Mount Support	Yes
	Vesa Wall Mount Support	Yes
	Power Cable	Yes
	Quick Install Guide	Yes
	Data Cable	Yes
	Stand Mount Kit	Yes
	Stand Security Screws	N/A
Angle Adaptor (for Side RF tuner)	N/A	
VESA Standard	VESA Size	400 x 400
	Wall Mount Screw Size	M8

## SPECIFICATIONS

MODEL		50AF690U HG50AF690UK	55AF690U HG55AF690UK	65AF690U HG65AF690UK
Display	Backlight	LED	LED	LED
	Inch (Real Inch)	50 (49.5)	55 (54.6)	65 (64.5)
	Resolution	3,840 × 2,160	3,840 × 2,160	3,840 × 2,160
Video	Picture Engine	UHD Up-Scaling	UHD Up-Scaling	UHD Up-Scaling
	Dynamic Contrast Ratio	Mega Contrast	Mega Contrast	Mega Contrast
	Micro Dimming	UHD Dimming	UHD Dimming	UHD Dimming
	Active Crystal Color	N/A	N/A	N/A
	Wide Color Enhancer (Plus)	N/A	N/A	N/A
	Auto Motion Plus	Yes	Yes	Yes
Audio	Film Mode	Yes	Yes	Yes
	Dolby Digital Plus	Yes	Yes	Yes
	DTS Codec	N/A	N/A	N/A
	Sound Output (RMS)	20W (L:10W, R:10W)	20W (L:10W, R:10W)	20W (L:10W, R:10W)
	Speaker Type	2CH (Down Firing w/Bass Reflex)	2CH (Down Firing w/Bass Reflex)	2CH (Down Firing w/Bass Reflex)
Smart Service	Bluetooth Audio	Yes	Yes	Yes
	Smart TV Type	Smart	Smart	Smart
	Web Browser	Yes	Yes	Yes
Smart Feature	Smart View	Yes	Yes	Yes
	TV to Mobile - Mirroring	N/A	N/A	N/A
Differentiation	Mobile to TV - Mirroring, DLNA	Yes	Yes	Yes
	Sports Mode	N/A	N/A	N/A
Feature	All Care Protection	N/A	N/A	N/A
	Processor	Quad-Core	Quad-Core	Quad-Core
	SCSA Support	N/A	N/A	N/A
	Accessibility	Voice guide(AU English)/ Enlarge/ High contrast/ Multi-output Audio	Voice guide(AU English)/ Enlarge/ High contrast/ Multi-output Audio	Voice guide(AU English)/ Enlarge/ High contrast/ Multi-output Audio
	Digital Clean View	Yes	Yes	Yes
	Auto Channel Search	Yes	Yes	Yes
	Auto Power Off	Yes	Yes	Yes
	Caption (Subtitle)	Yes	Yes	Yes
	ConnectShare™ (HDD)	Yes	Yes	Yes
	ConnectShare™ (USB 2.0)	Yes	Yes	Yes
	EPG	Yes	Yes	Yes
	Game Mode	Yes	Yes	Yes
	OSD Language	Local Languages	Local Languages	Local Languages
	Picture-In-Picture	N/A	N/A	N/A
	BT HID Support	Yes	Yes	Yes
	USB HID Support	Yes	Yes	Yes
	Teletext (TTX)	Yes	Yes	Yes
System	Digital Broadcasting	DVB-T2C	DVB-T2C	DVB-T2C
	Analog Tuner	Yes	Yes	Yes
	CI (Common Interface)	N/A	N/A	N/A
	Data Broadcasting	N/A	N/A	N/A
Hospitality Feature	Samsung LYNK™ HMS Compatibility	Yes	Yes	Yes
	H.Browser	Yes	Yes	Yes
	Samsung LYNK™ REACH (IP)	REACH 4.0	REACH 4.0	REACH 4.0

## MIDDLE EAST/AFIRCA

MODEL		50AF690U HG50AF690UK	55AF690U HG55AF690UK	65AF690U HG65AF690UK
Hospitality Feature	Samsung LYNK™ REACH (RF)	REACH 4.0	REACH 4.0	REACH 4.0
	Hospitality Home Menu	Home Menu 2017	Home Menu 2017	Home Menu 2017
	Bluetooth Music Player (Mobile → TV)	Yes	Yes	Yes
	Hospitality Plug&Play (Easy Set-up)	Yes	Yes	Yes
	Auto Source Mode	Yes	Yes	Yes
	Power On Mode	Yes	Yes	Yes
	Hotel Channel List	Yes	Yes	Yes
	Channel Menu Display	Yes	Yes	Yes
	Mixed Channel List (ATSC, DVB-T/T2/C/S2, Analog)	Yes	Yes	Yes
	My Channel	Yes	Yes	Yes
	Energy Saving Mode(BLU control)	Yes	Yes	Yes
	Logo Display with Time Out Setting (BMP/ Movie)	Yes	Yes	Yes
	Welcome Message	Yes	Yes	Yes
	RJ12 / IR Pass Through	Yes	Yes	Yes
	External Clock Compatibility	N/A	N/A	N/A
	Clock Back Up Supply	Yes	Yes	Yes
	External Clock Dimming Control	N/A	N/A	N/A
	Software Clock	N/A	N/A	N/A
	Multi Code Remote control	Yes	Yes	Yes
	Sound Bar Compatibility	Yes	Yes	Yes
	Music Mode (Input: PC/AV/Component/HDMI)	Yes	Yes	Yes
	Music Mode Backlight on/off	Yes	Yes	Yes
	TTX Clock Update (Analogue)	Yes	Yes	Yes
	USB Cloning	Yes	Yes	Yes
	Smovie Compatibility	Yes	Yes	Yes
	Soft AP	Yes	Yes	Yes
	On/Off Timer (Schedule)	Yes	Yes	Yes
	Alarm	Yes	Yes	Yes
	Samsung LYNK™ DRM RF	Yes	Yes	Yes
	Samsung LYNK™ DRM IP	Yes	Yes	Yes
	Pro:Idiom RF	N/A	N/A	N/A
	Pro:Idiom IP	N/A	N/A	N/A
	bLAN	N/A	N/A	N/A
Security Mode	Yes	Yes	Yes	
S/W EPG (Solution EPG)	N/A	N/A	N/A	
Input & Output	HDMI (Side/Rear)	2/1	2/1	2/1
	USB (Side/Rear)	2/0	2/0	2/0
	Component In (Y/Pb/Pr) (Side/Rear)	0/1	0/1	0/1
	Composite In (AV) (Side/Rear)	0/1 (Common Use for Component Y)	0/1 (Common Use for Component Y)	0/1 (Common Use for Component Y)
	Ethernet (LAN) (Side/Rear)	1/0	1/0	1/0
	Headphone (Side/Rear)	1/0	1/0	1/0
	Audio Out (Mini Jack / LR) (Side/Rear)	N/A	N/A	N/A
	Digital Audio Out (Optical) (Side/Rear)	1/0	1/0	1/0
	RF In (Terrestrial/Cable input/Satellite Input) (Side/Rear)	1/1 (Common Use for Terrestrial)	1/1 (Common Use for Terrestrial)	1/1 (Common Use for Terrestrial)
	Ex-Link ( RS-232C ) (Side/Rear)	N/A	N/A	N/A
CI Slot (Side/Rear)	N/A	N/A	N/A	

MODEL		50AF690U HG50AF690UK	55AF690U HG55AF690UK	65AF690U HG65AF690UK
Input & Output	Scart (Side/Rear)	N/A	N/A	N/A
	HDMI A / Return Ch. Support	Yes	Yes	Yes
	HDMI Quick Switch	Yes	Yes	Yes
	Wireless LAN Adapter Support	N/A	N/A	N/A
	Wireless LAN Built-in	Yes	Yes	Yes
	Anynet+ (HDMI-CEC)	Yes	Yes	Yes
	Pillow Speaker Jack (Side/Rear)	N/A	N/A	N/A
	Variable Audio Out (Side/Rear)	0/1	0/1	0/1
	Variable Audio Out Volume Control (Side/Rear)	0/1	0/1	0/1
	Video Out (Side/Rear)	N/A	N/A	N/A
	RJ12 (Side/Rear)	0/1	0/1	0/1
	RJP (Remote Jackpack) (Side/Rear)	1/0	1/0	1/0
	Headphone ID (Side/Rear)	0/1	0/1	0/1
	Door-Eye Control (Side/Rear)	N/A	N/A	N/A
	Door-Eye Video In (Side/Rear)	N/A	N/A	N/A
	PC In (D-sub)(Side./Rear)	N/A	N/A	N/A
	PC/DVI Audio In (Mini Jack)(Side./Rear)	N/A	N/A	N/A
Ethernet-Out (LAN-Out) (Side/Rear)	1/0	1/0	1/0	
Design	Front Color	Black	Black	Black
	Stand Type	Square	Square	Square
	Swivel (Left/Right)	Yes (90/90)	Yes (90/90)	Yes (90/90)
Dimension (WxHxD)	Set Size without Stand (WxHxD)(mm)	1128.9 x 654.4 x 63.2	1242.6 x 718.4 x 63.2	1463.5 x 844.5 x 64.6
	Set Size with Stand (WxHxD)(mm)	1128.9 x 711.6 x 226.5	1242.6 x 775.3 x 226.5	1463.5 x 923.4 x 355.1
	Package Size (WxHxD)(mm)	1361.0 x 760.0 x 164.0	1462.0 x 833.0 x 184.0	1760.0 x 977.0 x 210.0
Weight	Set Weight without Stand (kg)	12.7	14.7	23.8
	Set Weight with Stand (kg)	15.8	17.8	28.9
	Package Weight (kg)	20.8	24.4	38.5
Accessory	Remote Controller Model	TM1240A	TM1240A	TM1240A
	Battery (for Remote Control)	Yes	Yes	Yes
	Samsung Smart Control (Included)	N/A	N/A	N/A
	Mini Wall Mount Support	Yes	Yes	Yes
	Vesa Wall Mount Support	Yes	Yes	Yes
	Power Cable	Yes	Yes	Yes
	Quick Install Guide	Yes	Yes	Yes
	Data Cable	Yes	Yes	Yes
	Stand Mount Kit	Yes	Yes	Yes
	Stand Security Screws	N/A	N/A	N/A
	Angle Adaptor (for Side RF tuner)	N/A	N/A	N/A
VESA Standard	VESA Size	400 x 400	400 x 400	400 x 400
	Wall Mount Screw Size	M8	M8	M8



PRODUCT IMAGE



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