



SAMSUNG HOSPITALITY DISPLAYS

HF690U SERIES (EU_CIS)

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

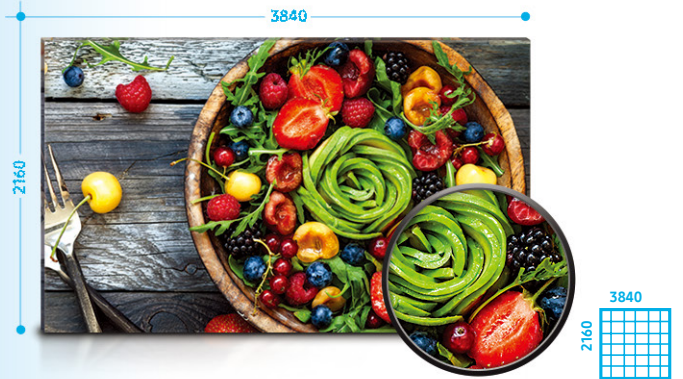
Today's premium and luxury hotel guests expect an in-room environment that provides, or even surpasses, the comforts of home. Through crystal-clear, UHD-quality content presentation and convenient operations, Samsung's HF690U displays foster a more memorable stay experience. The HF690U displays place 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

2M PIXELS **FULL HD**

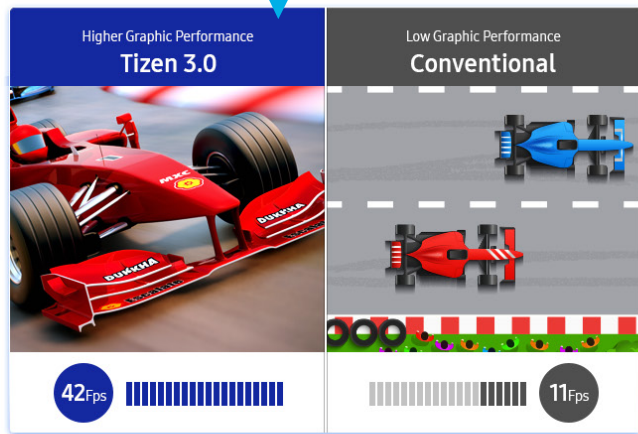
8M PIXELS **UHD 4K**



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



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




SDK





Utility Tools & Support

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




Logo Image






SmoothText Overlay



Background Images / Video



Customizable & Unlimited Feature Icons

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.

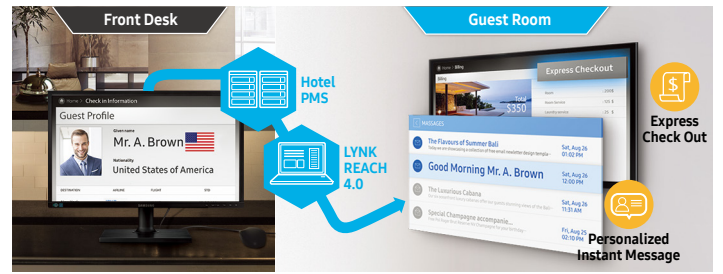
A TAILORED HOME MENU FOR GUESTS

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

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.



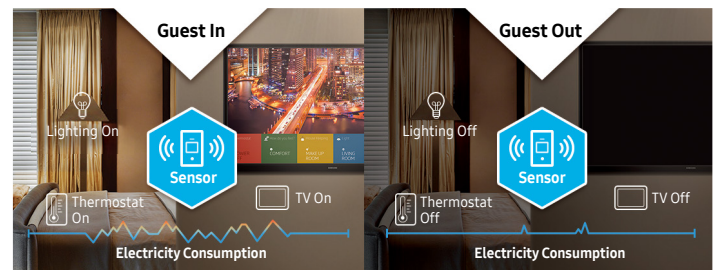
END-TO-END PERSONALIZED SERVICE

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.



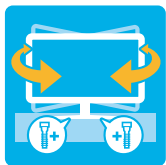
CONVENIENT AND THOROUGH ROOM MANAGEMENT

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.



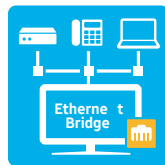
DELIGHT GUESTS AT A REDUCED COST

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



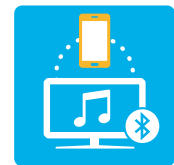
ETHERNET BRIDGE

Expansive connectivity transforms the displays into a work or play station



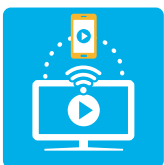
PLUG AND PLAY

Easily set up and synchronize multiple displays and servers



BLUETOOTH MUSIC PLAYER

Prevent unauthorized external sources such as HDMI, USB and TTX



CONTENT SHARING (MOBILE TO TV MIRRORING, SMARTVIEW)

Synchronize with up to four mobile devices for seamless content streaming



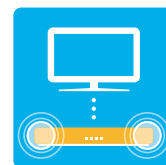
SECURITY MODE

Prevent unauthorized and potentially-harmful changes



LYNKDRM

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

MODEL		43EF690U HG43EF690UB	50EF690U HG50EF690UB	55EF690U HG55EF690UB	65EF690U HG65EF690UB
Display	Backlight	LED	LED	LED	LED
	Inch (Real Inch)	43	50	55	65
	Resolution	3,840 × 2,160	3,840 × 2,160	3,840 × 2,160	3,840 × 2,160
Video	Picture Engine	UHD Up-Scaling	UHD Up-Scaling	UHD Up-Scaling	UHD Up-Scaling
	Dynamic Contrast Ratio	Mega Contrast	Mega Contrast	Mega Contrast	Mega Contrast
	Micro Dimming	UHD Dimming	UHD Dimming	UHD Dimming	UHD Dimming
	Active Crystal Color	N/A	N/A	N/A	N/A
	Wide Color Enhancer (Plus)	N/A	N/A	N/A	N/A
	Auto Motion Plus	Yes	Yes	Yes	Yes
	Film Mode	Yes	Yes	Yes	Yes
Audio	Dolby Digital Plus	Yes	Yes	Yes	Yes
	DTS Codec	N/A	N/A	N/A	N/A
	Sound Output (RMS)	20W(L:10W, R:10W)	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)	2CH(Down Firing w/Bass Reflex)
	Bluetooth Audio	Yes	Yes	Yes	Yes
Smart Service	Smart TV Type	Smart	Smart	Smart	Smart
	Web Browser	Yes	Yes	Yes	Yes
	Smart View	Yes	Yes	Yes	Yes
Smart Feature	TV to Mobile - Mirroring	N/A	N/A	N/A	N/A
	Mobile to TV - Mirroring, DLNA	Yes	Yes	Yes	Yes
Differentiation	Sports Mode	N/A	N/A	N/A	N/A
	All Care Protection	N/A	N/A	N/A	N/A
Feature	Processor	Quad-Core	Quad-Core	Quad-Core	Quad-Core
	Accessibility	Voice guide(UK English, German, French, Spanish, Italian, Dutch, Polish, Danish, Swedish, Finnish, Norwegian, Portuguese, Russian(only when connecting to Network in EE, LV, LT))/ Enlarge/ High contrast/ Multi-output Audio	Voice guide(UK English, German, French, Spanish, Italian, Dutch, Polish, Danish, Swedish, Finnish, Norwegian, Portuguese, Russian(only when connecting to Network in EE, LV, LT))/ Enlarge/ High contrast/ Multi-output Audio	Voice guide(UK English, German, French, Spanish, Italian, Dutch, Polish, Danish, Swedish, Finnish, Norwegian, Portuguese, Russian(only when connecting to Network in EE, LV, LT))/ Enlarge/ High contrast/ Multi-output Audio	Voice guide(UK English, German, French, Spanish, Italian, Dutch, Polish, Danish, Swedish, Finnish, Norwegian, Portuguese, Russian(only when connecting to Network in EE, LV, LT))/ Enlarge/ High contrast/ Multi-output Audio
	Digital Clean View	Yes	Yes	Yes	Yes
	Auto Channel Search	Yes	Yes	Yes	Yes
	Auto Power Off	Yes	Yes	Yes	Yes
	Caption (Subtitle)	Yes	Yes	Yes	Yes
	ConnectShare™ (HDD)	Yes	Yes	Yes	Yes
	ConnectShare™ (USB 2.0)	Yes	Yes	Yes	Yes
	EPG	Yes	Yes	Yes	Yes
	Game Mode	Yes	Yes	Yes	Yes
	OSD Language	27 European Languages + Russian(only when connecting to Network in EE, LV, LT)	27 European Languages + Russian(only when connecting to Network in EE, LV, LT)	27 European Languages + Russian(only when connecting to Network in EE, LV, LT)	27 European Languages + Russian(only when connecting to Network in EE, LV, LT)
	Picture-In-Picture	N/A	N/A	N/A	N/A
	BT HID Support	Yes	Yes	Yes	Yes
	USB HID Support	Yes	Yes	Yes	Yes
	Teletext (TTX)	Yes	Yes	Yes	Yes
System	Digital Broadcasting	DTV-T2CS2	DTV-T2CS2	DTV-T2CS2	DTV-T2CS2
	Analog Tuner	Yes	Yes	Yes	Yes
	CI (Common Interface)	CI+(1.3)	CI+(1.3)	CI+(1.3)	CI+(1.3)
	Data Broadcasting	HbbTV 1.5(CZ, SK, DE, AT, -FR, ES, EE)/ HbbTV 1.0(PL, HU, CH, BE, N-L, LU, PT, DK, FI)/ MHEG 5(GB, IE)	HbbTV 1.5(CZ, SK, DE, AT, -FR, ES, EE)/ HbbTV 1.0(PL, HU, CH, BE, N-L, LU, PT, DK, FI)/ MHEG 5(GB, IE)	HbbTV 1.5(CZ, SK, DE, AT, -FR, ES, EE)/ HbbTV 1.0(PL, HU, CH, BE, N-L, LU, PT, DK, FI)/ MHEG 5(GB, IE)	HbbTV 1.5(CZ, SK, DE, AT, -FR, ES, EE)/ HbbTV 1.0(PL, HU, CH, BE, N-L, LU, PT, DK, FI)/ MHEG 5(GB, IE)

MODEL		43EF690U HG43EF690UB	50EF690U HG50EF690UB	55EF690U HG55EF690UB	65EF690U HG65EF690UB
Hospitality Feature	Samsung LYNK™ HMS Compatibility	Yes	Yes	Yes	Yes
	H.Browser	Yes	Yes	Yes	Yes
	Samsung LYNK™ REACH (IP)	REACH 4.0	REACH 4.0	REACH 4.0	REACH 4.0
Hospitality Feature	Samsung LYNK™ REACH (RF)	REACH 4.0	REACH 4.0	REACH 4.0	REACH 4.0
	Hospitality Home Menu	Home Menu 2017	Home Menu 2017	Home Menu 2017	Home Menu 2017
	Bluetooth Music Player (Mobile → TV)	Yes	Yes	Yes	Yes
	Hospitality Plug&Play (Easy Set-up)	Yes	Yes	Yes	Yes
	Auto Source Mode	Yes	Yes	Yes	Yes
	Power On Mode	Yes	Yes	Yes	Yes
	Hotel Channel List	Yes	Yes	Yes	Yes
	Channel Menu Display	Yes	Yes	Yes	Yes
	Mixed Channel List (ATSC, DVB-T/T2/C/S2, Analog)	Yes	Yes	Yes	Yes
	My Channel	Yes	Yes	Yes	Yes
	Energy Saving Mode(BLU control)	Yes	Yes	Yes	Yes
	Logo Display with Time Out Setting (BMP/Movie)	Yes	Yes	Yes	Yes
	Welcome Message	Yes	Yes	Yes	Yes
	RJ12 / IR Pass Through	Yes	Yes	Yes	Yes
	External Clock Compatibility	N/A	N/A	N/A	N/A
	Clock Back Up Supply	Yes	Yes	Yes	Yes
	External Clock Dimming Control	N/A	N/A	N/A	N/A
	Software Clock	N/A	N/A	N/A	N/A
	Multi Code Remote control	Yes	Yes	Yes	Yes
	Sound Bar Compatibility	Yes	Yes	Yes	Yes
	Music Mode (Input: PC/AV/Component/HDMI)	Yes	Yes	Yes	Yes
	Music Mode Backlight on/off	Yes	Yes	Yes	Yes
	TTX Clock Update (Analogue)	Yes	Yes	Yes	Yes
	USB Cloning	Yes	Yes	Yes	Yes
	Smoovie Compatibility	Yes	Yes	Yes	Yes
	Soft AP	Yes	Yes	Yes	Yes
	On/Off Timer (Schedule)	N/A	N/A	N/A	N/A
	Alarm	Yes	Yes	Yes	Yes
	Samsung LYNK™ DRM RF	Yes	Yes	Yes	Yes
	Samsung LYNK™ DRM IP	Yes	Yes	Yes	Yes
	Pro:Idiom RF	N/A	N/A	N/A	N/A
	Pro:Idiom IP	N/A	N/A	N/A	N/A
	bLAN	N/A	N/A	N/A	N/A
Security Mode	Yes	Yes	Yes	Yes	
S/W EPG (Solution EPG)	Yes	Yes	Yes	Yes	
Input & Output	HDMI (Side/Rear)	2/1	2/1	2/1	2/1
	USB (Side/Rear)	2/0	2/0	2/0	2/0
	Component In (Y/Pb/Pr) (Side/Rear)	0/1	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)	0/1 (Common Use for Component Y)
	Ethernet (LAN) (Side/Rear)	1/0	1/0	1/0	1/0
	Headphone (Side/Rear)	1/0	1/0	1/0	1/0
	Audio Out (Mini Jack / LR) (Side/Rear)	N/A	N/A	N/A	N/A
	Digital Audio Out (Optical) (Side/Rear)	1/0	1/0	1/0	1/0
	RF In (Terrestrial/Cable input/Satellite Input) (Side/Rear)	1/0	1/0	1/0	1/0
	Ex-Link (RS-232C) (Side/Rear)	N/A	N/A	N/A	N/A
CI Slot (Side/Rear)	N/A	0/1	0/1	0/1	

SPECIFICATIONS

MODEL		43EF690U HG43EF690UB	50EF690U HG50EF690UB	55EF690U HG55EF690UB	65EF690U HG65EF690UB
Input & Output	Scart (Side/Rear)	0/1	0/1	0/1	0/1
	HDMI A / Return Ch. Support	Yes	Yes	Yes	Yes
	Wireless LAN Built-in	Yes	Yes	Yes	Yes
	Anynet+ (HDMI-CEC)	Yes	Yes	Yes	Yes
	Pillow Speaker Jack (Side/Rear)	N/A	N/A	N/A	N/A
	Variable Audio Out (Side/Rear)	0/1	0/1	0/1	0/1
	Variable Audio Out Volume Control (Side/Rear)	0/1	0/1	0/1	0/1
	Video Out (Side/Rear)	N/A	N/A	N/A	N/A
	RJ12 (Side/Rear)	0/1	0/1	0/1	0/1
	RJP (Remote Jackpack) (Side/Rear)	1/0	1/0	1/0	1/0
	Headphone ID (Side/Rear)	0/1	0/1	0/1	0/1
	Door-Eye Control (Side/Rear)	N/A	N/A	N/A	N/A
	Door-Eye Video In (Side/Rear)	N/A	N/A	N/A	N/A
	PC In (D-sub)(Side./Rear)	N/A	N/A	N/A	N/A
	PC/DVI Audio In (Mini Jack)(Side./Rear)	N/A	N/A	N/A	N/A
	Ethernet-Out (LAN-Out) (Side/Rear)	1/0	1/0	1/0	1/0
Design	Front Color	Black	Black	Black	Black
	Stand Type	Square	Square	Square	Square
	Swivel (Left/Right)	Yes(90/90)	Yes(90/90)	Yes(90/90)	Yes(90/90)
Dimension (WxHxD)	Set Size without Stand (WxHxD)(mm)	975.8 x 569.0 x 62.6	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)	975.8 x 626.4 x 226.5	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)	1180.0 x 674.0 x 161.0	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)	8.7	12.7	14.7	23.8
	Set Weight with Stand (kg)	11.8	15.8	17.8	28.9
	Package Weight (kg)	15.9	20.8	24.4	38.5
Accessory	Remote Controller Model	TM1240A	TM1240A	TM1240A	TM1240A
	Battery (for Remote Control)	Yes	Yes	Yes	Yes
	Samsung Smart Control (Included)	N/A	N/A	N/A	N/A
	Mini Wall Mount Support	Yes	Yes	Yes	Yes
	Vesa Wall Mount Support	Yes	Yes	Yes	Yes
	Power Cable	Yes	Yes	Yes	Yes
	Quick Install Guide	Yes	Yes	Yes	Yes
	Data Cable	Yes	Yes	Yes	Yes
	Stand Mount Kit	Yes	Yes	Yes	Yes
	Stand Security Screws	N/A	N/A	N/A	N/A
Angle Adaptor (for Side RF tuner)	N/A	N/A	N/A	N/A	
VESA Standard	VESA Size	200*200	400*400	400*400	400*400
	Wall Mount Screw Size	M8	M8	M8	M8

PRODUCT IMAGE



NOTE.

ABOUT SAMSUNG ELECTRONICS CO., LTD.

Samsung Electronics Co., Ltd. inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, cameras, digital appliances, medical equipment, network systems, and semiconductor and LED solutions. For the latest news, please visit Samsung Newsroom at <http://news.samsung.com>

HOSPITALITY DISPLAYS

For more information about Samsung Hospitality Displays, visit www.samsung.com/business or www.samsung.com/displaysolutions

Screen images simulated.

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2017-08



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