

# SAMSUNG HOSPITALITY DISPLAYS

## HF690U SERIES (EU\_CIS)

### HIGHLIGHTS

- Deliver high quality content with UHD resolution
- Develop and deploy compatible web applications within 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



HF690U displays leverages TIZEN OS's rigorous three-layer protection to ensure content security across application, platform and system. The integrated H.Browser can render and upload 2D/3D content securely and at a faster pace.

### POWERFUL GRAPHIC PERFORMANCE WITH ENHANCED SECURITY



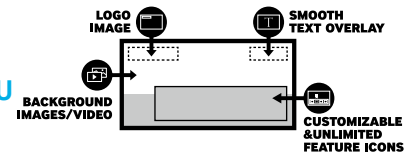
Samsung's H.Browser empowers fast and accurate application development. Through a host of TIZEN-based tools, developers can test each application's security and performance prior to launch, and safely store them within the OS.

### SIMPLE, COMPATIBLE WEB APP DEVELOPMENT



Hotel managers can leverage TIZEN to build and deploy customizable home menu that suits their brand and operational needs. Both staffs and guests can enjoy the convenience of an intuitive, easy-to-navigate interface.

### A TAILORED HOME MENU FOR GUESTS



An integrated Ethernet bridge turns the display into a mobile office, accommodating a variety of business needs. As the workday ends, guests also can leverage the display to relax by streaming TV or music.

### CENTRALIZED, REAL-TIME MANAGEMENT



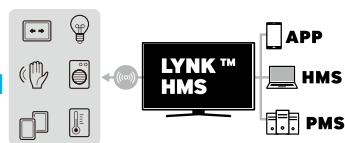
LYNK REACH 4.0's centralized, real-time monitoring can detect and troubleshoot issues before they become issues for guests. Compatibility with LAN, Wi-Fi and coaxial infrastructures drives more effective management and monitoring.

### END-TO-END PERSONALIZED SERVICE



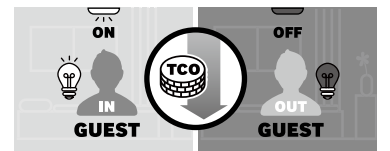
As guests arrive, hotels can deploy personalized welcome message and relevant promotional items through LYNK REACH 4.0's customized content offerings. They also can express checkout to ensure a pleasant conclusion to any stay.

### CONVENIENT AND THOROUGH ROOM MANAGEMENT



LYNK HMS allows staff to view maintenance needs and energy usage for efficient and convenient room management. This platform also shares an interface where guests can control multiple in-room components from a single source.

### DELIGHT GUESTS AT A REDUCED COST



LYNK HMS delivers pleasant and memorable guest experience in a more cost-efficient manner. Hotel operators can streamline content delivery property-wide while also managing heat and air activity based on room occupancy.



SWIVEL STAND



ETHERNET BRIDGE



PLUG AND PLAY



BLUETOOTH MUSIC PLAYER



CONTENT SHARING (MOBILE TO TV MIRRORING, SMART VIEW)



SECURITY MODE



LYNK DRM



SOUND BAR COMPATIBILITY



SI COMPATIBILITY

# 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)

# SPECIFICATIONS

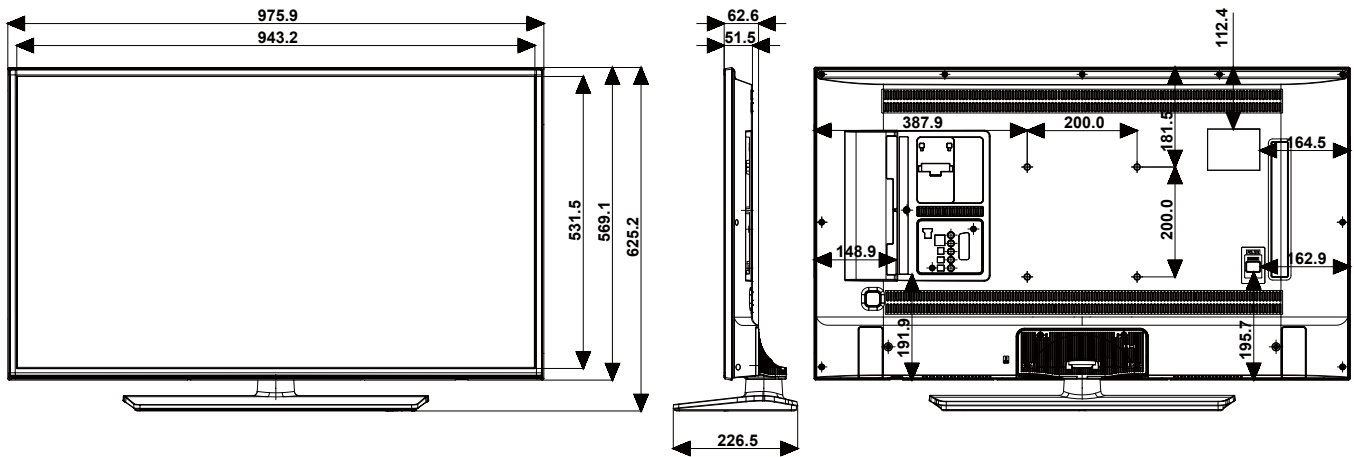
MODEL		43EF690U HG43EF690UB	50EF890U HG50EF890UB	55EF690U HG55EF690UB	65EF690U HG65EF690UB
Hospitality Feature	Samsung LYNK™ HMS Compatibility	Yes	Yes	Yes	Yes
	H.Browser	Yes	Yes	Yes	Yes
	Samsung LYNK™ REACH (IP)	REACH 4.0	REACH 4.0	REACH 4.0	REACH 4.0
Hospitality Feature	Samsung LYNK™ REACH (RF)	REACH 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
	Smooovie 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

# SPECIFICATIONS

## HG43EF690UB



- 1
- 2
- 3
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- 7
- 8
- 9

HOSPITALITY TV

HDMI IN 3 (ARC) 10

HDMI

DATA 11

HP-ID 12

COMPONENT / AV IN 13

VARIABLE AUDIO OUT 14

VOL-CTRL 15

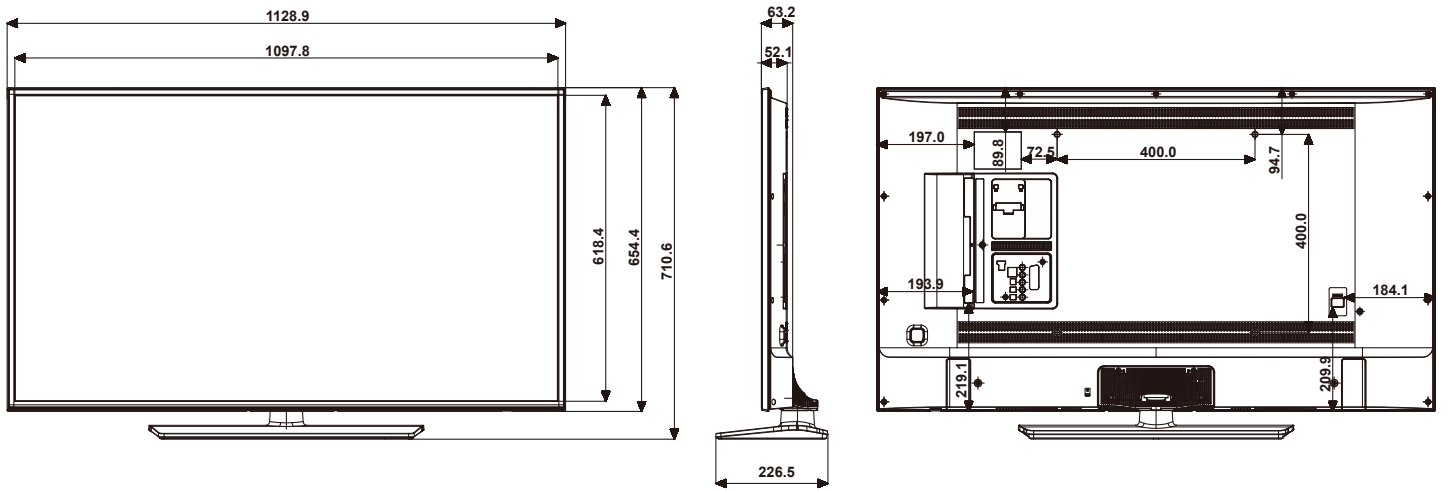
\*The information listed in this manual may require confirmation with the manufacturer. Please refer to the product manual for details.

8N64-039358-02

### CONNECTORS

1. USB(5V 0.5A)
2. USB(HDD1.0A) / CLONING
3. DIGITAL AUDIO OUT(OPTICAL)
4. HDMI IN1
5. HDMI IN2
6. LAN
7. LAN OUT
8. RJP
9. ANT IN
10. HDMI IN3 (ARC)
11. DATA
12. HP-ID
13. COMPONENT / AV IN
14. VARIABLE AUDIO OUT
15. VOL-CTRL

## HG50EF690UB



- 1
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- 7
- 8
- 9

HOSPITALITY TV

HDMI IN 3 (ARC) 10

HDMI

DATA 11

HP-ID 12

COMPONENT / AV IN 13

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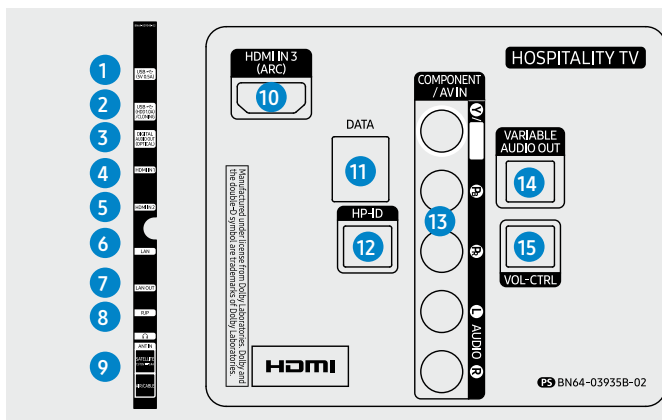
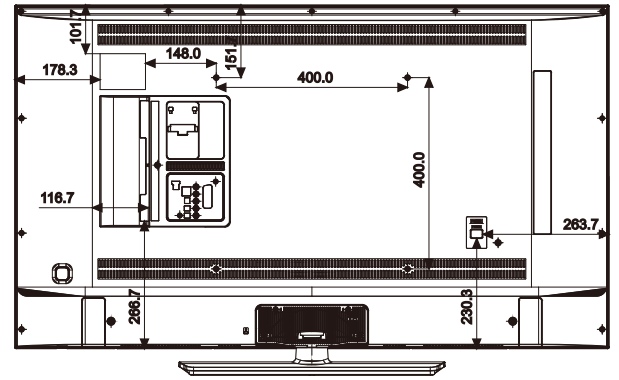
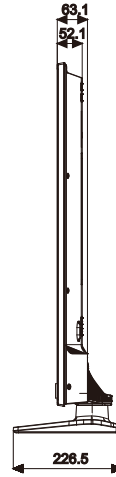
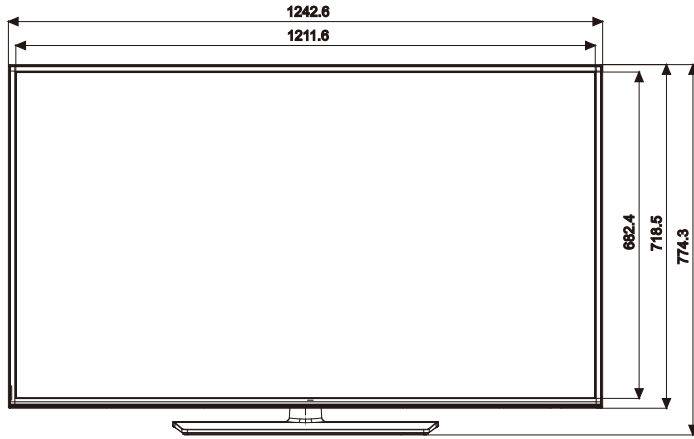
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14. VARIABLE AUDIO OUT
15. VOL-CTRL

# SPECIFICATIONS

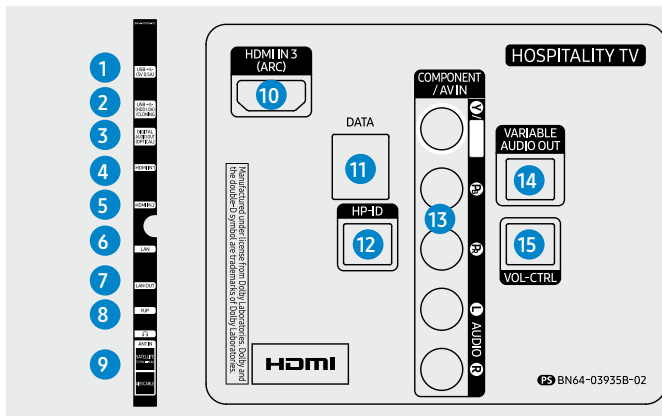
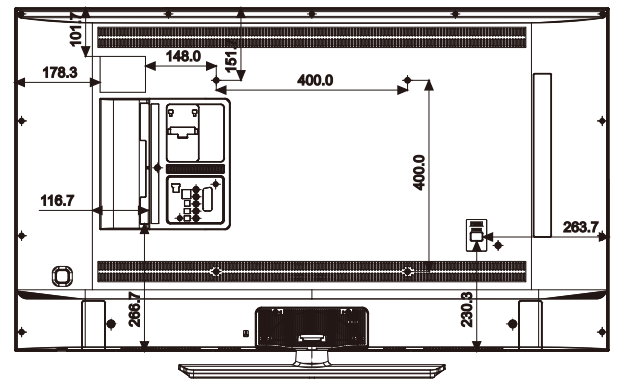
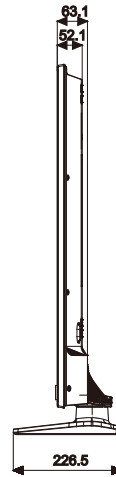
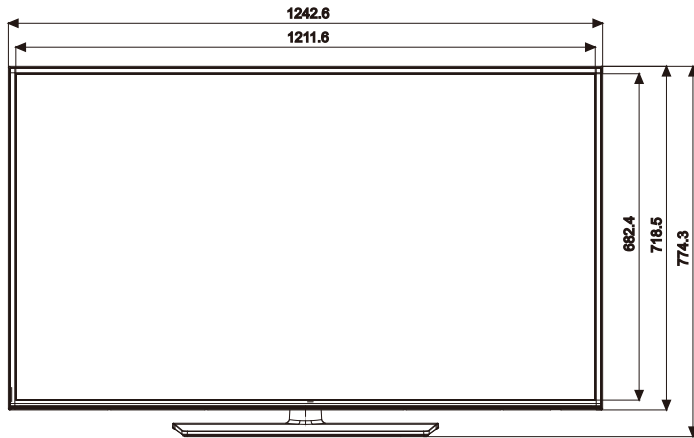
## HG55EF690UB



### CONNECTORS

- |                               |                        |
|-------------------------------|------------------------|
| 1. USB(5V 0.5A)               | 12. HP-ID              |
| 2. USB(HDD1.0A) / CLONING     | 13. COMPONENT / AV IN  |
| 3. DIGITAL AUDIO OUT(OPTICAL) | 14. VARIABLE AUDIO OUT |
| 4. HDMI IN1                   | 15. VOL-CTRL           |
| 5. HDMI IN2                   |                        |
| 6. LAN                        |                        |
| 7. LAN OUT                    |                        |
| 8. RJP                        |                        |
| 9. ANT IN                     |                        |
| 10. HDMI IN3 (ARC)            |                        |
| 11. DATA                      |                        |

## HG65EF690UB



### CONNECTORS

- |                               |                        |
|-------------------------------|------------------------|
| 1. USB(5V 0.5A)               | 12. HP-ID              |
| 2. USB(HDD1.0A) / CLONING     | 13. COMPONENT / AV IN  |
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| 5. HDMI IN2                   |                        |
| 6. LAN                        |                        |
| 7. LAN OUT                    |                        |
| 8. RJP                        |                        |
| 9. ANT IN                     |                        |
| 10. HDMI IN3 (ARC)            |                        |
| 11. DATA                      |                        |

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## HOSPITALITY DISPLAY

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2017-08



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