

# SAMSUNG HOSPITALITY DISPLAYS

## HF690 SERIES (EU\_CIS)

### HIGHLIGHTS

- Build and launch compatible web applications within powerful Tizen OS
- Maintain impactful, secure content performance via the integrated H.Browser
- Simplify operations for guests and staff through a tailored home menu
- Develop and share personalized content through the centralized LYNK REACH 4.0 server
- Manage multi-display networks more efficiently via LYNK HMS Server connectivity

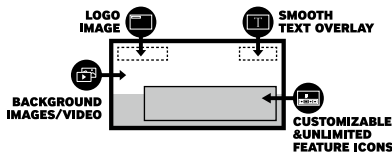


### POWERFUL GRAPHIC PERFORMANCE WITH ENHANCED SECURITY



HF690 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.

### A TAILORED HOME MENU FOR GUESTS



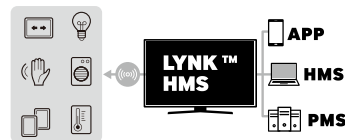
Hotel managers can leverage TIZEN to build and deploy customizable home menu that suits their brand and operational needs. Both staffs and guests can enjoy the convenience of an intuitive, easy-to-navigate interface.

### 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.

### 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.

### SIMPLE, COMPATIBLE WEB APP DEVELOPMENT



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.

### ENHANCED GUEST CONNECTIVITY AT REDUCED MAINTENANCE



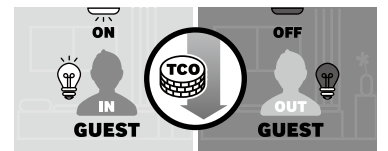
An integrated Ethernet bridge turns the display into a mobile office, accommodating a variety of business needs. As the workday ends, guests also can leverage the display to relax by streaming TV or music.

### 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.

### 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



PLUG AND PLAY



BLUETOOTH MUSIC PLAYER



CONTENT SHARING (MOBILE TO TV MIRRORING, SMARTVIEW)



SECURITY MODE



SOUND BAR COMPATIBILITY



LYNK DRM



SI COMPATIBILITY

# SPECIFICATIONS

MODEL		32EF690 HG32EF690DB	43EF690 HG43EF690DB	49EF690 HG49EF690DB	55EF690 HG55EF690DB
Display	Backlight	LED	LED	LED	LED
	Inch (Real Inch)	32	43	49	55
	Resolution	1920 x1080	1920 x1080	1920 x1080	1920 x1080
Video	Picture Engine	HyperReal	HyperReal	HyperReal	HyperReal
	Dynamic Contrast Ratio	Mega Contrast	Mega Contrast	Mega Contrast	Mega Contrast
	Micro Dimming	M/D Pro	M/D Pro	M/D Pro	M/D Pro
	Active Crystal Color	N/A	N/A	N/A	N/A
	Wide Color Enhancer (Plus)	Yes	Yes	Yes	Yes
	Auto Motion Plus	N/A	N/A	N/A	N/A
	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	DVB-T2CS2	DVB-T2CS2	DVB-T2CS2	DVB-T2CS2
	Analog Tuner	Yes	Yes	Yes	Yes
	CI (Common Interface)	CI+(1.3)	CI+(1.3)	CI+(1.3)	CI+(1.3)
	Data Broadcasting	HbbTV1.5 (CZ,SK,DE,AT,FR,ES,EE)/ HbbTV1.0(PL,HU,CH,BE ,NL,LU,PT,DK,FI)/ MHEG 5(GB,IE)	HbbTV1.5 (CZ,SK,DE,AT,FR,ES,EE)/ HbbTV1.0(PL,HU,CH,BE ,NL,LU,PT,DK,FI)/ MHEG 5(GB,IE)	HbbTV1.5 (CZ,SK,DE,AT,FR,ES,EE)/ HbbTV1.0(PL,HU,CH,BE ,NL,LU,PT,DK,FI)/ MHEG 5(GB,IE)	HbbTV1.5 (CZ,SK,DE,AT,FR,ES,EE)/ HbbTV1.0(PL,HU,CH,BE ,NL,LU,PT,DK,FI)/ MHEG 5(GB,IE)
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

# SPECIFICATIONS

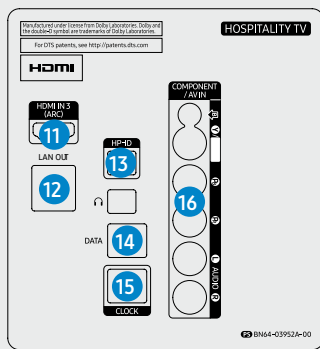
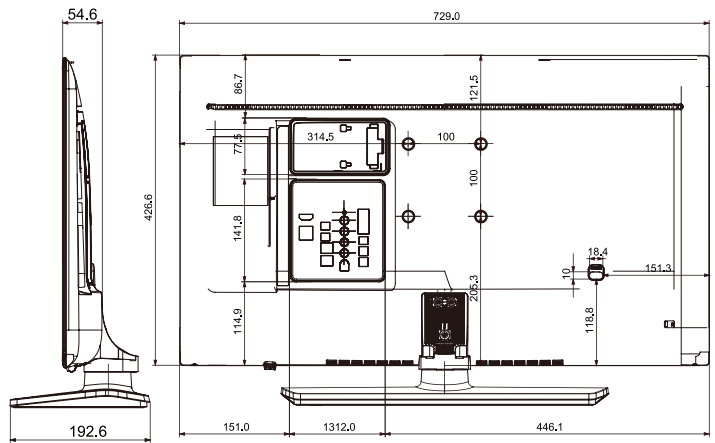
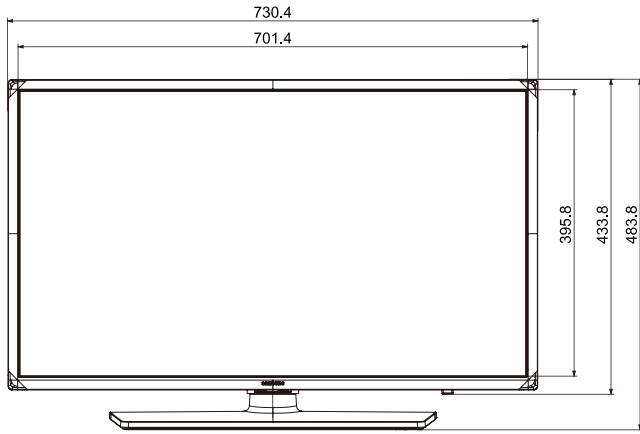
MODEL		32EF690 HG32EF690DB	43EF690 HG43EF690DB	49EF690 HG49EF690DB	55EF690 HG55EF690DB
Hospitality Feature	Samsung LYNK™ REACH (RF)	REACH 4.0	REACH 4.0	REACH 4.0	REACH 4.0
	Hospitality Home Menu	Yes (Home Menu 2017)	Yes (Home Menu 2017)	Yes (Home Menu 2017)	Yes (Home Menu 2017)
	Bluetooth Music Player (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	Yes	Yes	Yes	Yes
	Clock Back Up Supply	Yes	Yes	Yes	Yes
	External Clock Dimming Control	Yes	Yes	Yes	Yes
	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)	Yes	Yes	Yes	Yes
	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)	1	1	1	1
	Ethernet (LAN) (Side/Rear)	1/0	1/0	1/0	1/0
	Headphone (Side/Rear)	0/1	0/1	0/1	0/1
	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)	0/1	0/1	0/1	0/1

# SPECIFICATIONS

MODEL		32EF690 HG32EF690DB	43EF690 HG43EF690DB	49EF690 HG49EF690DB	55EF690 HG55EF690DB
Input & Output	Scart (Side/Rear)	N/A	N/A	N/A	N/A
	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)	1/0	1/0	1/0	1/0
	Variable Audio Out Volume Control (Side/Rear)	1/0	1/0	1/0	1/0
	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)	0/1	0/1	0/1	0/1	
Design	Front Color	Dark Titan	Dark Titan	Dark Titan	Dark Titan
	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)	730.4 x 433.8 x 54.6	972.9 x 570.1 x 54.0	1105.8 x 645.0 x 54.6	1241.6 x 721.4 x 54.5
	Set Size with Stand (WxHxD)(mm)	730.4 x 483.8 x 192.6	972.9 x 623.0 x 226.5	1105.8 x 698.0 x 226.5	1241.6 x 774.3 x 226.5
	Package Size (WxHxD)(mm)	918.0 x 549.0 x 119.0	1170.0 x 653.0 x 118.0	1300.0 x 746.0 x 130.0	1424.0 x 812.0 x 140.0
Weight	Set Weight without Stand (kg)	5.7	9.7	13	16.2
	Set Weight with Stand (kg)	7.3	12.7	16	19.2
	Package Weight (kg)	9.3	14.9	19.6	24.7
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	N/A	N/A	N/A	N/A
	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	100x100	200x200	200x200	400x400
	Wall Mount Screw Size	M8	M8	M8	M8

# SPECIFICATIONS

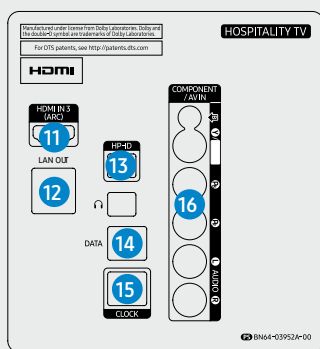
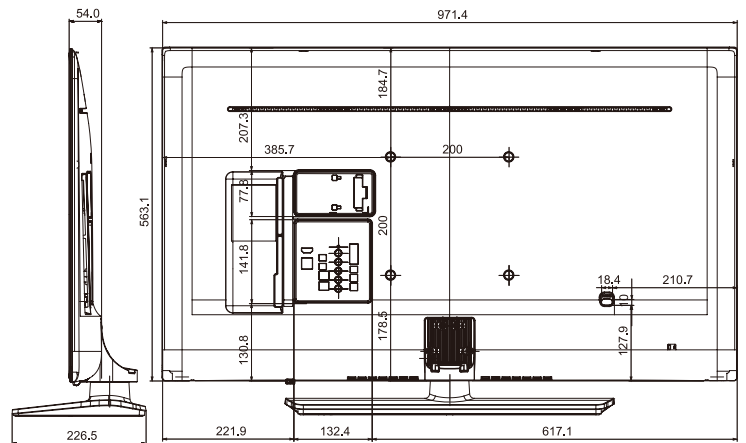
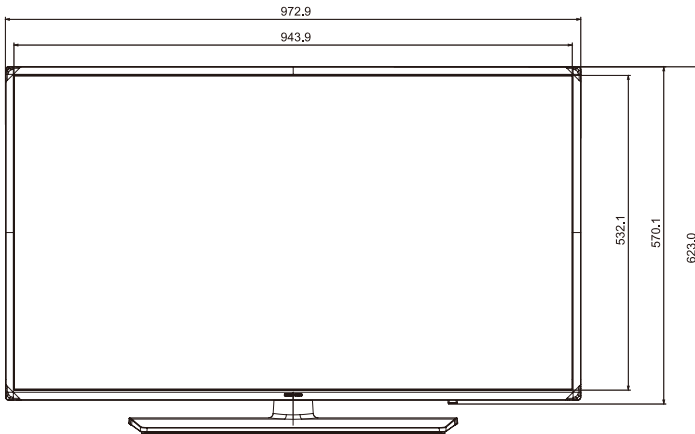
## HG32EF690DB



### CONNECTORS

- |                               |                       |
|-------------------------------|-----------------------|
| 1. VARIABLE AUDIO OUT         | 12. LAN OUT           |
| 2. VOL-CTRL                   | 13. HP-ID             |
| 3. USB(5V 0.5A)               | 14. DATA              |
| 4. USB(HDD1.0A)/CLONING       | 15. CLOCK             |
| 5. HDMI IN2                   | 16. COMPONENT / AV IN |
| 6. HDMI IN1                   |                       |
| 7. LAN                        |                       |
| 8. RJP                        |                       |
| 9. DIGITAL AUDIO OUT(OPTICAL) |                       |
| 10. ANT IN                    |                       |
| 11. HDMI IN3 (ARC)            |                       |

## HG43EF690DB

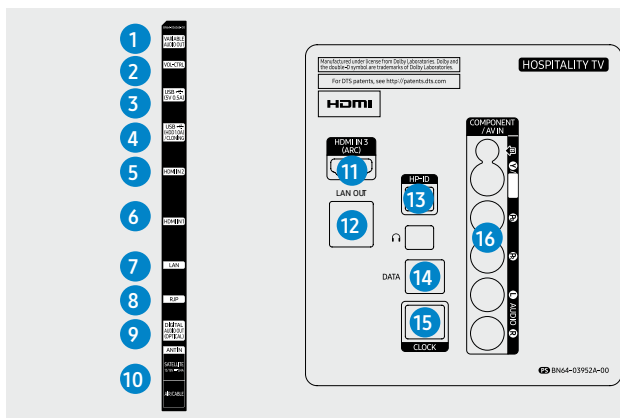
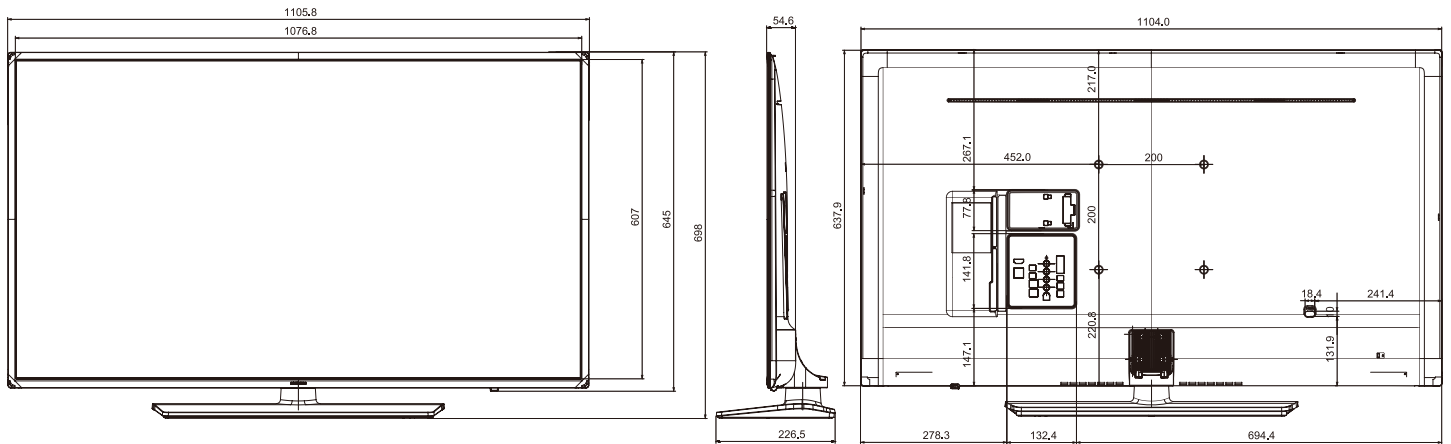


### CONNECTORS

- |                               |                       |
|-------------------------------|-----------------------|
| 1. VARIABLE AUDIO OUT         | 12. LAN OUT           |
| 2. VOL-CTRL                   | 13. HP-ID             |
| 3. USB(5V 0.5A)               | 14. DATA              |
| 4. USB(HDD1.0A)/CLONING       | 15. CLOCK             |
| 5. HDMI IN2                   | 16. COMPONENT / AV IN |
| 6. HDMI IN1                   |                       |
| 7. LAN                        |                       |
| 8. RJP                        |                       |
| 9. DIGITAL AUDIO OUT(OPTICAL) |                       |
| 10. ANT IN                    |                       |
| 11. HDMI IN3 (ARC)            |                       |

# SPECIFICATIONS

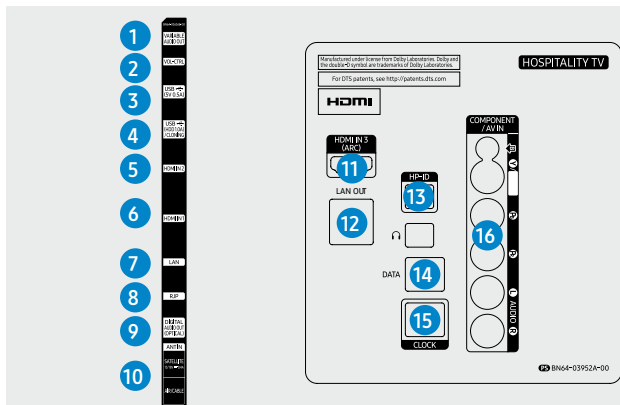
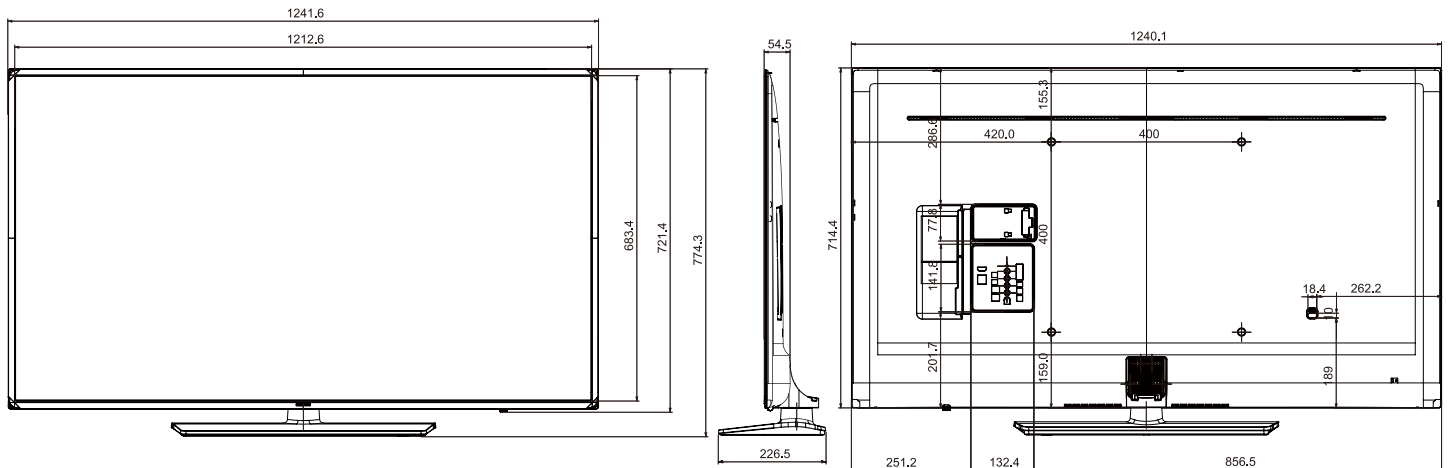
## HG49EF690DB



### CONNECTORS

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|-------------------------------|-----------------------|
| 1. VARIABLE AUDIO OUT         | 12. LAN OUT           |
| 2. VOL-CTRL                   | 13. HP-ID             |
| 3. USB(5V 0.5A)               | 14. DATA              |
| 4. USB(HDD1.0A)/CLONING       | 15. CLOCK             |
| 5. HDMI IN2                   | 16. COMPONENT / AV IN |
| 6. HDMI IN1                   |                       |
| 7. LAN                        |                       |
| 8. RJP                        |                       |
| 9. DIGITAL AUDIO OUT(OPTICAL) |                       |
| 10. ANT IN                    |                       |
| 11. HDMI IN3 (ARC)            |                       |

## HG55EF690DB



### CONNECTORS

- |                               |                       |
|-------------------------------|-----------------------|
| 1. VARIABLE AUDIO OUT         | 12. LAN OUT           |
| 2. VOL-CTRL                   | 13. HP-ID             |
| 3. USB(5V 0.5A)               | 14. DATA              |
| 4. USB(HDD1.0A)/CLONING       | 15. CLOCK             |
| 5. HDMI IN2                   | 16. COMPONENT / AV IN |
| 6. HDMI IN1                   |                       |
| 7. LAN                        |                       |
| 8. RJP                        |                       |
| 9. DIGITAL AUDIO OUT(OPTICAL) |                       |
| 10. ANT IN                    |                       |
| 11. HDMI IN3 (ARC)            |                       |

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## HOSPITALITY DISPLAY

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2017-08



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