

**SAMSUNG**Samsung **SMART TV** | 

# 690 SERIES HOSPITALITY TVs

SAMSUNG SMART TV 2.0 DELIVERS THE ULTIMATE IN GUEST ENTERTAINMENT

**28" Class LED**

HG28NC690AF

**32" Class LED**

HG32NC690DF

**40" Class LED**

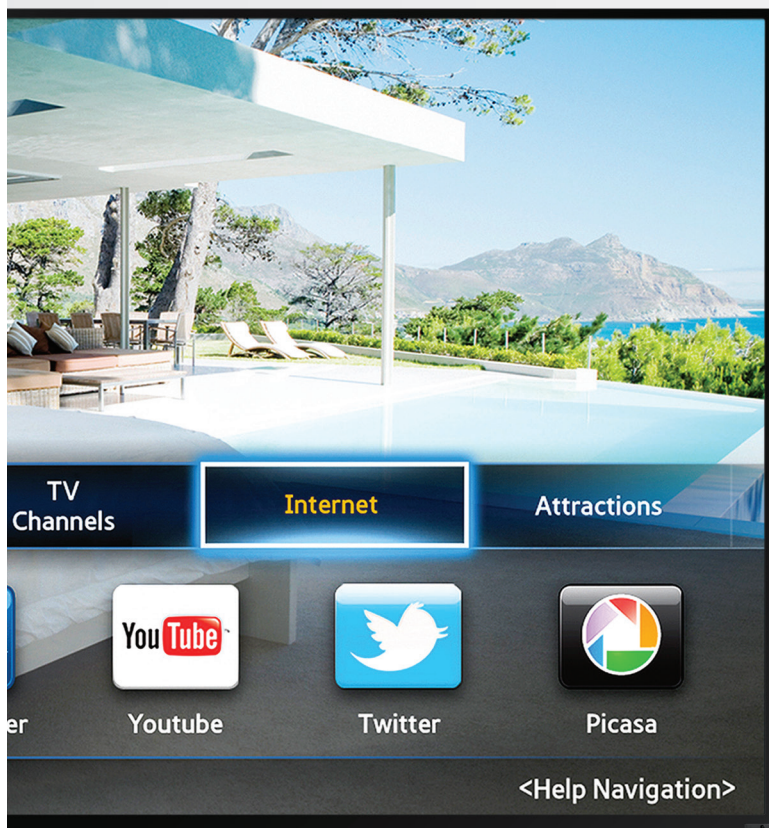
HG40NC690DF

**48" Class LED**

HG48NC690DF

**55" Class LED**

HG55NC690EF



## KEY FEATURES



### Premium Slim Direct-Lit LED Technology

Direct-lit LED technology provides the brilliance and energy savings advantages of LED technology, along with the uniform brightness typical of CCFL displays. And it does it all with an efficiency that makes it a more affordable technology. In fact, it's possible to upgrade your rooms to LED technology for a cost comparable to CCFL technology.



### Smart TV 2.0

Experience the next generation of our ground-breaking TVs with Smart Interaction, full web browsers, all-new content, all-new content services, faster processors and much more.



### Samsung LYNK™ SINC 3.0 Interactive Content Management System

This IP-based content management solution delivers enhanced HTML and rich text with protocols to communicate between Samsung Interactive TVs and hotel property management software. Facility managers can completely customize the in-room entertainment with EPG (Electronic Program Guide), Weather API, Flight Information and Real Time Messaging, and by unlocking rich content from the Samsung Hospitality Widget Library (Facebook, Twitter, AccuWeather, Google Maps™).



### Samsung LYNK™ REACH 3.0 Content Management Solution

The Samsung REACH 3.0 (Remote Enhanced Active Control for Hotels) Management Solution is used in conjunction with an existing coaxial-based infrastructure. It provides centralized TV controls, basic static content management capabilities and an Interactive Program Guide (IPG).



### H-Browser Compatibility

The Samsung 690 Series offers H-Browser through partnerships with certified system integrators providing guests with a premium interactive experience. Built on the HTML5 standard with Flash® support, H-Browser is a true Smart TV solution that features both free and video on demand (VOD) content. It is able to interface directly with the head end without the use of a set top box.



### Mobile Device Integration Using AllShare™ Cast

Samsung AllShare™ Cast lets you seamlessly share content across your DLNA connected Samsung devices which includes WIDI without the need for a network cable or a connecting device. AllShare Cast allows screen mirroring and video streaming to enable seamless content sharing.

## TECHNOLOGY THAT DELIVERS A PREMIUM AT-HOME, IN-ROOM EXPERIENCE

Whether it's a casual vacationer or a seasoned business traveler, today's guests demand a premium at-home, in-room entertainment experience. Samsung, the leader in flat panel technology, delivers yet again with the Samsung 690 Series. Each display is a Smart TV, giving guests a whole new level of interactivity. With Smart TV, guests can watch movies and TV shows from streaming services, instantly check Facebook, Twitter and Skype to stay connected, and even push content from their personal devices to the big screen. And the 690 Series features direct-lit LED technology, for all the benefits of LED at a lower cost. It's innovation that delivers the complete platform for premium in-room entertainment.

HOSPITALITY TV SALES:

1-888-727-2664 | 1-866-SAM4BIZ

[samsung.com/business](http://samsung.com/business)[samsung.com/hospitality](http://samsung.com/hospitality)

FOLLOW US:

[youtube.com/samsungbizusa](http://youtube.com/samsungbizusa)

@SamsungBizUSA

# Samsung 690 Series Hospitality TVs

Samsung Hospitality TVs are loaded with features that provide premier guest satisfaction, while making your job easier.

## HOSPITALITY FEATURES

### Anti-Theft Battery Cover

Battery door is secured, ensuring batteries remain in the remote controller.

### Channel Remapping

Allows the hotelier to change channel and TV source to a different channel.

### Clock On Timer and Alarm Key

Allows the guest to program the TV to turn on as a wake-up alarm.

### Closed Captioning

A text display of all audio content, including spoken dialog and non-speech information such as the identity of the speakers and symbols for sound effects and music.

### Hotel Channel List

Guest master channel listing of program content. This will display content in analog or HD.

### Hotel Logo Display with Time Out Setting

Display hotel logo bitmap files as a greeting startup display.

### Hotel Mode Plug & Play

Interactive stand-alone mode available.

### Lockout Controls

The hotelier can enable front panel and menu display lock-outs.

### OSD Language

Choose English/French/Spanish.

### Picture-in-Picture

Display one program while another is being displayed on the full TV screen at the same time.

### Power On Status Setting

Settings include power always on, last option or standby.

### Multi-Code Remote

Eliminates interference when two or more TVs are used in close proximity to each other.

### Samsung LYNK™ SINC 3.0 Interactive Content Management System

IP-based solution designed to provide enhanced HTML and rich text, dynamic content management capabilities. Offers EPG (Electronic Program Guide), Weather API, Flight Information and Real Time Messaging. Incorporates use of Samsung Hospitality Widget Library (Facebook, Twitter, AccuWeather, Google Maps). For the hotelier with IP-enabled infrastructure and Samsung's Interactive TVs. The Samsung Hospitality Displays Smart Widget Solution provides you with the ability to deliver customized content to your guests via the TV screen, providing a high degree of customer satisfaction.

### Samsung LYNK™ REACH 3.0 Content Management Solution

The Samsung LYNK™ REACH 3.0 (Remote Enhanced Active Control for Hotels) Management Solution is used in conjunction with an existing coaxial-based infrastructure. It provides centralized TV controls, basic static content management capabilities and an Interactive Program Guide (IPG). Samsung REACH delivers, in a free-to-guest solution, content and information on such topics as your hotel, local and in-room dining, spa and exercise facilities, meetings and events, local attractions, and other simple guest convenience features. Property managers will be able to easily update and change information using a Windows®-based system.

### Sleep Timer

Allows guest to set TV turn-off time in 30-minute intervals up to 180 minutes.

### USB Cloning

A quick and easy way to copy the ideal settings off one television to others on the property. Saves time and helps provide a consistent viewing experience for all televisions.

## CONNECTIONS

### AllShare™ Cast

Enjoy your favorite digital content from any of your DLNA - connected Samsung Devices. AllShare™ Cast lets you wirelessly access and share content between your Samsung devices regardless of where you are. And there's no need for any cables or connected devices. It's also equipped with cloud technology, so you can upload your favorite content to a central web storage account and access it wherever you are.

### Anynet + (HDMI – CEC)

This Samsung protocol allows the user to control other HDMI devices connected to the TV display, such as DVD players, PC computers and Soundbars.

### ConnectShare™ (USB 2.0)

Connect a thumb drive or digital camera quickly and easily. User-friendly interface allows access to videos, a music playlist and pictures via the remote.

### Hotel TV (RJ-12/IR Pass Through)

Allows you to connect an interactive STB/SBB (Set Top Box/Set Back Box).

### Hotel TV RJ45

Connection to hotel LAN using custom H-browser or Samsung LYNK SINC.

### Interactive Compatibility System



### Remote Jack Panel (RJP) Compatibility



### WiFi®

With built-in WiFi, no additional equipment is needed to connect with an existing wireless router in your hotel network and start accessing Samsung Apps or other Smart TV features.

## PICTURE QUALITY AND AUDIO

### Auto Volume Limiter

During initial product setup, minimum and maximum volume levels can be locked to help minimize disturbance to other hotel guests.

### Dual Core Processor

Dual Core makes multitasking fast. Browse the web faster and quickly. Hotel personnel can easily download apps to the TV.

### Full HD 1080p, MPEG4

Samsung 32", 40", 48" and 55" 690 Series TVs feature Full HD. All TVs also are compatible with MPEG4 (Samsung 28" 720p).

### Music Mode (Input: HDMI/PC/AV/Component)

Allows audio feedback when picture is muted.

### Music Mode Backlight On/Off

Shows a background display.

### Premium Slim Direct-Lit LED Technology

Direct-lit LED technology provides the brilliance and energy savings advantages of LED technology, along with the uniform brightness typical of CCFL displays. And it does it all with an efficiency that makes it a more affordable technology. In fact, it's possible to upgrade your rooms to LED technology for a cost comparable to CCFL technology. When you add the energy savings of up to 50% that LED offers over CCFL, you end up with the perfect solution for both you and your guests.

### Swivel (20/60/90) with Lockdown

Display pedestal stand rotates with optional 20, 60 and 90 degree stops—only on 32", 40", 48" and 55" models integrated in lockdown mount base. No swivel and lockdown on 28" model.

### Samsung Soundbar Compatible

Samsung Hospitality Displays enable Soundbar compatibility by supporting HDMI-CEC. When you connect the Soundbar to the Samsung Hospitality Display with an HDMI cable, the TV audio settings and menu lock feature are automatically applied, so you don't have to set up the Soundbar separately. You can also prevent guests from changing the settings. With one single remote, guests can control both the TV and Soundbar simultaneously.

## WARRANTY

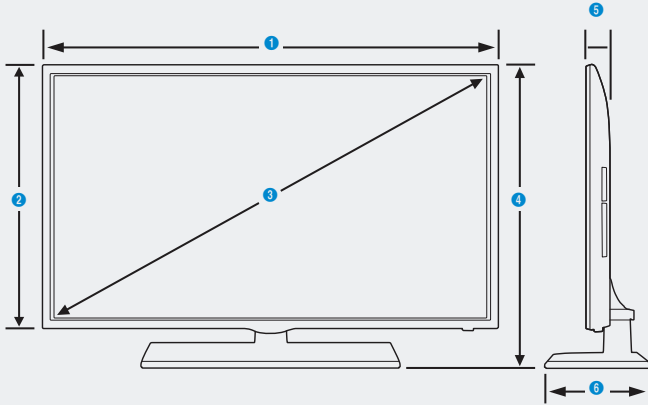
2-year parts and 2-year labor warranty backed by Samsung Hospitality Hotline 1-866-894-0524. Optional professional installation, accessories and extended warranty are available.



## Samsung 690 Series Hospitality TVs



### Dimensions



**28" | HG28NC690AF** - 768p | 3000:1 Contrast Ratio

1	2	3	4	5	6
24.7"	15.6"	28"	17.1"	2.5"	6.4"

**32" | HG32NC690DF** - 768p | 3000:1 Contrast Ratio

1	2	3	4	5	6
28.4"	16.9"	32"	18.3"	2.6"	7.6"

**40" | HG40NC690DF** - 768p | 5000:1 Contrast Ratio

1	2	3	4	5	6
35.7"	20.9"	40"	22.7"	2.5"	8.9"

**48" | HG48NC690DF** - 1080p | 5000:1 Contrast Ratio

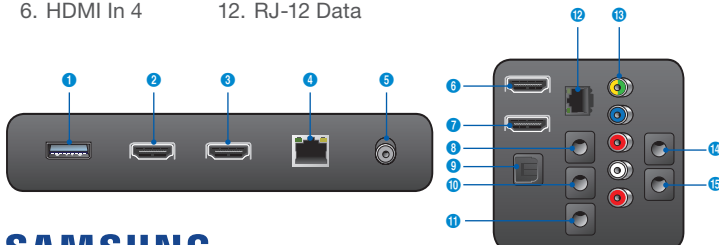
1	2	3	4	5	6
42.3"	24.7"	48"	26.5"	2.6"	8.9"

**55" | HG55NBC690EF** - 1080p | 5000:1 Contrast Ratio

1	2	3	4	5	6
48.4"	28.2"	55"	30"	2.6"	8.9"

### Connectivity

1. USB/Cloning
2. HDMI In 2
3. HDMI In 1
4. LAN
5. Ant In/Cable
6. HDMI In 4
7. HDMI In 3 (ARC)
8. DVI In Audio
9. Digital Audio Out
10. Audio Out
11. EX-Link (RS232)
12. RJ-12 Data
13. Component / AV In 1
14. Variable Audio Out
15. Volume Control



### DIGITAL RIGHTS MANAGEMENT (DRM)

#### Pro:Idiom™ HD Content Decryption DRM (RF)

The 690 Series is equipped with Pro:Idiom™ MPEG4 technology, making the TVs compatible with most major VOD/PPV systems. You can offer your guests premium HDTV content from cable, satellite or video-on-demand services with no optional cards or external box needed.

#### Samsung LYNK™ HD Content Decryption DRM (IP/RF)

Samsung's software-based DRM technology is integrated into the entire Samsung 2014 Hotel TV line. Samsung LYNK™ offers a robust solution to unlock premium HDTV content from content providers such as cable, satellite and VOD providers, with maximum efficiency and security. IPTV-IP LYNK available with SYNC 3.0 and H-Browser.

#### Verimatrix™ HD Content Decryption DRM (IP)

IPTV-IP Multicast DRM USED in conjunction with Samsung LYNK™ SINC. In viewing IPTV channel reliable access to unlock premium HDTV content from content providers such as cable and satellite providers. IPTV-IP LINK available with SINC 3.0 and H-Browser 3.0.



# SAMSUNG 690 SERIES HOSPITALITY TVs KEY SPECIFICATIONS For complete product specifications, visit [samsung.com/hospitality](http://samsung.com/hospitality)

	Model Number	HG28NC690AF	HG32NC690DF	HG40NC690DF	HG48NC690DF	HG55NC690EF
Display	Backlight	Slim Direct-Lit LED	Slim Direct-Lit LED	Slim Direct-Lit LED	Slim Direct-Lit LED	Slim Direct-Lit LED
	Screen Size (Diagonal)	28	32	40	48	55
	HD/FHD	HD	FHD	FHD	FHD	FHD
	Resolution	1366 x 768	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Video	Picture Engine	HyperReal Engine	HyperReal Engine	HyperReal Engine	HyperReal Engine	HyperReal Engine
	Micro Dimming	N/A	N/A	N/A	N/A	No
	Wide Color Enhancer Plus	Yes	Yes	Yes	Yes	Yes
	Auto Motion Plus	N/A	N/A	N/A	N/A	120Hz
Audio	Film Mode	Yes	Yes	Yes	Yes	Yes
	Dolby	Dolby MS10	Dolby MS10	Dolby MS10	Dolby MS10	Dolby MS10
	DTS Studio Sound / DNSe+	DTS Studio Sound	DTS Studio Sound	DTS Studio Sound	DTS Studio Sound	DTS Studio Sound
	DTS Premium Sound / DTS Premium Sound 5.1	DTS Premium Sound 5.1	DTS Premium Sound 5.1	DTS Premium Sound 5.1	DTS Premium Sound 5.1	DTS Premium Sound 5.1
	3D Sound	N/A	N/A	N/A	N/A	N/A
	Auto Volume Leveler	Yes	Yes	Yes	Yes	Yes
	Speaker Type	Down Firing + Full Range	Down Firing + Full Range	Down Firing + Full Range	Down Firing + Full Range	Down Firing + Full Range
	Sound Output (RMS)	5W x 2	10W x 2	10W x 2	10W x 2	10W x 2
	Woofer	N/A	N/A	N/A	N/A	N/A
Features	Variable Speaker Output	4W (Mono, 8Ω)	4W (Mono, 8Ω)	4W (Mono, 8Ω)	4W (Mono, 8Ω)	4W (Mono, 8Ω)
	Smart Hub	Yes	Yes	Yes	Yes	Yes
	Apps	Yes	Yes	Yes	Yes	Yes
	Web Browser	Yes	Yes	Yes	Yes	Yes
	Samsung SMART View	Yes	Yes	Yes	Yes	Yes
	Wireless LAN Built-in	Yes	Yes	Yes	Yes	Yes
	AllShare - Contents Sharing	Yes	Yes	Yes	Yes	Yes
	AllShare - Screen Mirroring	Yes	Yes	Yes	Yes	Yes
	ConnectShare™ (USB 2.0)	Movie	Movie	Movie	Movie	Movie
	Wake On LAN	Yes	Yes	Yes	Yes	Yes
	Soft AP	Yes	Yes	Yes	Yes	Yes
	BT HID Built-in	No	Yes	Yes	Yes	Yes
	USB HID Support	Yes	Yes	Yes	Yes	Yes
	TV SoundConnect	No	Yes	Yes	Yes	Yes
	OSD Language	English, Spanish, French	English, Spanish, French	English, Spanish, French	English, Spanish, French	English, Spanish, French
	Digital Clean View	Yes	Yes	Yes	Yes	Yes
	HDMI 1.4 A / Return Ch. Support (ARC)	Yes	Yes	Yes	Yes	Yes
	Anynet+ (HDMI-CEC)	Yes	Yes	Yes	Yes	Yes
	Auto Channel Search	Yes	Yes	Yes	Yes	Yes
	Auto Power Off	Yes	Yes	Yes	Yes	Yes
	EPG	Yes	Yes	Yes	Yes	Yes
	Caption (Subtitle)	Yes	Yes	Yes	Yes	Yes
	Wake-up Timer	Yes	Yes	Yes	Yes	Yes
	Game Mode	Yes	Yes	Yes	Yes	Yes
	Picture-In-Picture	Yes	Yes	Yes	Yes	Yes
	Sleep Timer	Yes	Yes	Yes	Yes	Yes
Hospitality Features	Hospitality Home Menu	Yes	Yes	Yes	Yes	Yes
	Samsung LYNK™ REACH Server Compatibility	Yes	Yes	Yes	Yes	Yes
	Samsung LYNK™ SINC Compatibility	Yes	Yes	Yes	Yes	Yes
	H.Browser Compatibility	Yes	Yes	Yes	Yes	Yes
	Hospitality Plug&Play (Easy Set-up)	Yes	Yes	Yes	Yes	Yes
	RJ 12 / IR Pass Through	Yes	Yes	Yes	Yes	Yes
	Power on Mode	Yes	Yes	Yes	Yes	Yes
	USB Cloning	Yes	Yes	Yes	Yes	Yes
	Logo Display with Time Out Setting (BMP/Movie)	Yes	Yes	Yes	Yes	Yes
	Welcome Message	Yes	Yes	Yes	Yes	Yes
	Music Mode (Input : PC/AV/Component/HDMI)	Yes	Yes	Yes	Yes	Yes
	Music Mode BackLight on/off	Yes	Yes	Yes	Yes	Yes
	Auto Source Mode	Yes	Yes	Yes	Yes	Yes
	Energy Saving Mode(BLU control)	Yes	Yes	Yes	Yes	Yes
	Clock Back Up Supply	Yes	Yes	Yes	Yes	Yes
	Software Clock	Yes	Yes	Yes	Yes	Yes
	Multi Code Remote Control	Yes	Yes	Yes	Yes	Yes
	Screwed Remote Battery Cover	Yes	Yes	Yes	Yes	Yes
	Security Mode	No	No	No	No	No
	Smovie Compatibility	Yes	Yes	Yes	Yes	Yes
	Sound bar compatibility	Yes	Yes	Yes	Yes	Yes
	Samsung LYNK™ DRM (IP/RF)	Yes	Yes	Yes	Yes	Yes
	Pro.Idiom (IP/RF)	Yes	Yes	Yes	Yes	Yes
Input & Output	HDMI (Side/Rear)	2/2	2/2	2/2	2/2	2/2
	USB (Side/Rear)	1/0	1/0	1/0	1/0	1/0
	Component In (Y/Pb/Pr) (Side/Rear)	0/1	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)	0/1 (Common Use for Component Y)
	Ethernet (LAN) (Side/Rear)	1/0	1/0	1/0	1/0	1/0
	Digital Audio Out (Optical) (Side/Rear)	0/1	0/1	0/1	0/1	0/1
	Audio Out (Mini Jack) (Side/Rear)	0/1	0/1	0/1	0/1	0/1
	PC/DVI Audio In (Mini Jack) (Side/Rear)	0/1	0/1	0/1	0/1	0/1
	RF In (Terrestrial/Cable input) (Side/Rear)	1/0	1/0	1/0	1/0	1/0
	RS232C	Yes(Common Use for RJ12)	Yes(Common Use for RJ12)	Yes(Common Use for RJ12)	Yes(Common Use for RJ12)	Yes(Common Use for RJ12)
	Variable Audio Out (Side/Rear)	0/1	0/1	0/1	0/1	0/1
	Variable Audio Out Volume Control (Side/Rear)	0/1	0/1	0/1	0/1	0/1
	RJ12 for External Control (Side/Rear)	0/1	0/1	0/1	0/1	0/1
	RJP Jack (Remote Jack Pack) (Side/Rear)	0/1	0/1	0/1	0/1	0/1
System	DTV Tuner	ATSC / Clear QAM	ATSC / Clear QAM	ATSC / Clear QAM	ATSC / Clear QAM	ATSC / Clear QAM
	Analog Tuner	Yes	Yes	Yes	Yes	Yes
Design	Front Color	Black	Black	Black	Black	Black
	Stand Type	Square	Square	Square	Square	Square
	Swivel (Left/Right)	N/A	20/60/90	20/60/90	20/60/90	20/60/90

## SAMSUNG 690 SERIES HOSPITALITY TVs KEY SPECIFICATIONS For complete product specifications, visit [samsung.com/hospitality](http://samsung.com/hospitality)

	Model Number	HG28NC690AF	HG32NC690DF	HG40NC690DF	HG48NC690DF	HG55NC690EF
Dimensions	Set Dimension with Stand (WxHxD) (mm / inches)	643.4 x 435.0 x 163.4 / 24.7" x 17.1" x 6.4"	721.4 x 465.6 x 192.6 / 28.4" x 18.3" x 7.6"	906.6 x 577.6 x 226.5 / 35.7" x 22.7" x 8.9"	1075.1 x 673.5 x 226.5 / 42.3" x 26.5" x 8.9"	1230.6 x 762.8 x 226.5 / 48.4" x 30" x 8.9"
	Set Dimension without Stand (WxHxD) (mm / inches)	643.4 x 396.5 x 62.9 / 24.9" x 15.6" x 2.5"	721.4 x 428.5 x 64.9 / 28.4" x 16.9" x 2.6"	906.6 x 532.9 x 65.1 / 35.7" x 20.9" x 2.5"	1075.1 x 627.6 x 65.5 / 42.3" x 24.7" x 2.6"	1230.6 x 718.4 x 64.0 / 48.4" x 28.2" x 2.5"
	Package Dimension (WxHxD) (mm / inches)	815 x 463 x 108 / 32.4" x 18.2" x 4.3"	899 x 506 x 113 / 35.4" x 19.9" x 4.4"	1100 x 616 x 120 / 43.3" x 24.2" x 4.7"	1292 x 730 x 133 / 50.8" x 28.7" x 5.2"	1535 x 810 x 145 / 60.4" x 31.9" x 5.7"
Weight	Set Weight with Stand (kg)	4.1	6.4	10.5	13.9	18.6
	Set Weight without Stand (kg)	3.7	5	7.8	11.2	15.7
	Package Weight (kg)	5.2	7.5	12.1	17.4	23.0
VESA	VESA Mount (mm)	100 x 100	200 x 200	200 x 200	400 x 400	400 x 400
	VESA Screw Size	M4	M8	M8	M8	M8
Power	Power Supply (V)	AC110-120V 60Hz	AC110-120V 60Hz	AC110-120V 60Hz	AC110-120V 60Hz	AC110-120V 60Hz
	Multi Voltage	AC110-220V	AC110-220V	AC110-220V	AC110-220V	AC110-220V
Weight	UPC	887276691442	887276684383	887276684376	887276684437	887276684444
Accessory	Remote Controller Model	TM1240	TM1240	TM1240	TM1240	TM1240
	Battery (for Remote Control)	Yes	Yes	Yes	Yes	Yes
	Mini Wall Mount Support	No	Yes	Yes	Yes	Yes
	Vesa Wall Mount Support	Yes	Yes	Yes	Yes	Yes
	Power Cable (5 ft.)	Yes	Yes	Yes	Yes	Yes
	Data Cable	Yes	Yes	Yes	Yes	Yes
	Quick Install Guide	Yes	Yes	Yes	Yes	Yes
	Security Screws	Yes	Yes	Yes	Yes	Yes
	Stand Mount Kit	Yes	Yes	Yes	Yes	Yes



# SAMSUNG

For complete product information and accessories, visit [samsung.com/business](http://samsung.com/business) or [samsung.com/hospitality](http://samsung.com/hospitality)

Sales Support: 1-888-727-2664 or 1-866-SAM4BIZ | Follow Us: [youtube.com/samsungbizusa](https://www.youtube.com/samsungbizusa) | [@SamsungBizUSA](https://twitter.com/SamsungBizUSA)

Samsung Electronics has been named 2013 ENERGY STAR Partner of the Year in the product manufacturing category by the U.S. Environmental Protection Agency (EPA).



©2014 Samsung Electronics America, Inc. Samsung is a registered mark of Samsung Electronics Corp., Ltd. Specifications and designs are subject to change without notice. Non-metric weights and measurements are approximate. Intel, the Intel logo, Intel Core, and Core Inside are trademarks of Intel Corporation in the U.S. and other countries. All other brand, product, service names and logos are trademarks and/or registered trademarks of their respective manufacturers and companies. See [samsung.com](http://samsung.com) for detailed information. Printed in USA. HOSTV-690SERIESB2BDSHT-SEP14T