

Samsung HC69x Series

Slim profile and robust functionality designed for premium hospitality environments



Highlights

- Create a sophisticated viewing environment with a premium slim design and state-of-the-art technology
- Offer an upgraded guest experience with wireless connection to personal devices
- Customize important hotel content using brand new Samsung LYNK™ SINC 3.0
- Protect content with Samsung's software-based LYNK Digital Rights Management (DRM) technology
- Provide convenient Home Menu for guests even in no-network environments
- Offer a wide range of channel selections with the built-in DVB-T2/C/S2 tuner
- Control expenditures with simplified device management and optimized resource management

Create an enhanced in-room entertainment experience

Owners and managers of premium hotels want to provide the superior quality in-room experience that sophisticated travelers expect. In addition, many premium TVs on the market provide a varied selection of features, but include an interface that is difficult to use.

Samsung HC69x Series displays are integrated, high-performing TVs that include many desirable features and an interface designed for ease of use. These displays contribute to a pleasant room ambiance and superior viewing experience because of their slim, streamlined design. With smart connectivity features, the screens offer myriad

entertainment options for guests. Hotel staff members can customize the welcome menu with a straightforward interface. Additionally, hotels can stay on budget with affordable content-streaming options and other cost-saving features.

Upgrade premium hotel suites with superior display design

HC69x Series displays are designed especially for 4-star hotels. The displays feature a slim design and create an elevated level of sophistication to enhance the ambiance of high-end hotel rooms.

HC69x Series displays feature Samsung's advanced LED technology that yields an ultra-thin profile. The slim profile enables the displays to fit perfectly into tight hotel room spaces and further elevates the in-room decor.

The displays also feature a narrow bezel. Without a cumbersome frame, the displays virtually blend into the background, allowing guests to focus on the images projected rather than the equipment delivering them.



Figure 1. HC69x Series displays enrich premium hospitality environments with a superior display design

Convenience features increase ease of management and enhance the guest experience

Offer flexible entertainment through convenient wireless connectivity

HC69x Series displays transform the guest experience by providing an in-room, multi-device entertainment hub with the following features:

Smart View

Smart View is an easy TV-mobile interaction feature that enables guests to watch TV channels on a broad range of mobile devices. Smart View TV-to-mobile interaction includes Live Channel Mirroring for all channels using a Samsung GALAXY® device and free-to-air channels (only) using an iPhone®. Mobile-to-TV interaction pushes content such as photos, videos and music files through an intuitive interface available on the mobile device to the TV for easy selection and viewing. Mobile-to-TV interaction is not restrictive of the mobile device platform used. Guests can enjoy their mobile contents on the larger in-room TV.

Screen Mirroring

Screen Mirroring enables guests to share the screen of a mobile device on the TV. This sharing capability includes the screen configuration in addition to content. This means that the TV displays exactly what displays on the mobile device, with no content restrictions.

AllShare®

AllShare technology, powered by the Digital Living Network Alliance (DLNA), enables guests to play personal content through a wireless connection on their room TVs. Content includes movies, photos and music.

Soft AP

Soft AP provides a software access point (AP) or hotspot. Up to four devices can connect wirelessly to the AP. Hotel managers can change the signal level and channel of the Soft AP to suit the connectivity environment of different rooms.

Tailor the in-room display as an information and entertainment hub with a fully customizable content management solution

With LYNK SINC 3.0, hotels can provide guests with a variety of information in a customized display menu. The LYNK SINC solution offers the following benefits:

Customizable User Interface (UI)

The interface features a content-box type template for flexibility and ease of use. The new interface offers a more detailed grid-type layout that enables hotels to design unique, highly customized home screens that promote branding and impress guests.

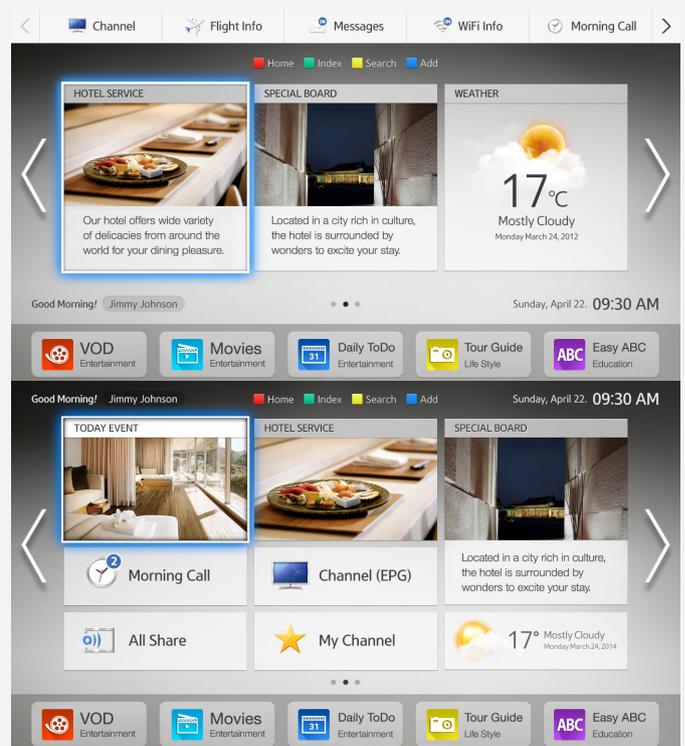


Figure 2. LYNK SINC 3.0 UI enables full customization for creating a unique hotel identity

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Wireless, information and channel options satisfy guest requirements

Efficient Management

LYNK SINC 3.0 provides organizing guests into groups which allows various services such as message, channel and content to be managed per different groups or even to individual guests. The ability to monitor in-room TV status as well as controlling TVs, such as power and firmware update, offers hotels an efficient means to manage their assets. Hotels can create unique channel list and edit customer channel mapping of available channels to tailor channels as hotels want.



Figure 3. Hotels can organize guests into groups and manage message, channel and content per different groups or even individual guests

Easy and Convenient Guest Experience

Ease-of-use features include the TV display of all necessary information such as hotel services, tourist information, weather, flight information and so on. Multiple languages are supported.

In addition, Samsung apps and TV features enable guests to use familiar apps through the SINC solution, including Facebook®, Twitter® and YouTube™. Guests can link to content, apps and people with TV features such as Screen Mirroring, AllShare, Soft AP and more.

Free Weather Information

Weather information can be provided free of charge from third-party service providers of choice. The weather information is automatically updated, providing guest with the latest weather information for planning their outdoor activities.

Timely Flight Information

Hotels can select airport flight information from third-party service providers of choice. Availability of up-to-date flight information is a great benefit to guests who want to coordinate their checkout time with their flight departure.

Convenient Messaging Services

Hotels can provide real-time messages for a person or a group of guests based on guest information from a PMS server.

Enhance content protection with a pure software DRM solution

Samsung LYNK DRM technology provides hoteliers with a protected and cost-effective alternative to traditional hardware-based content protection systems. The solution allows encrypted content to pass safely and to display on hotel TVs.

A software-only implementation, LYNK DRM technology reduces the need for additional equipment and provides quicker recovery for Conditional Access System (CAS) problems. Enhanced functions include support for video on demand (VoD). To help ensure reliability of the system, coverage extends to the enlargement of head-end equipment for cable operators.

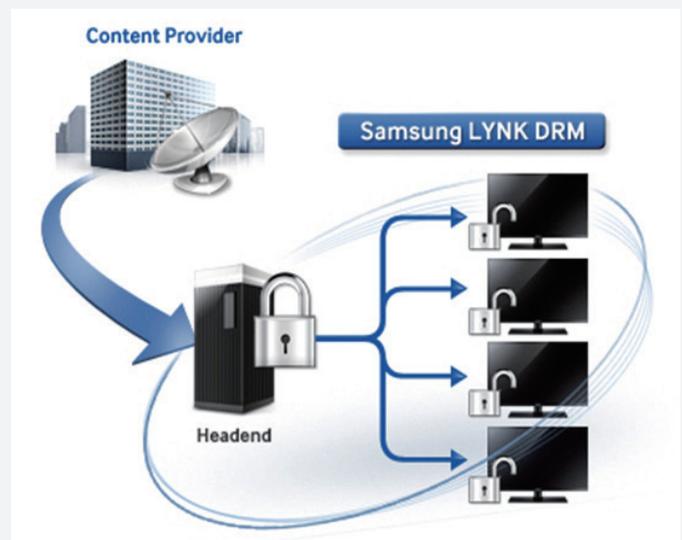


Figure 4. Samsung LYNK DRM technology allows encrypted content to be passed and displayed safely on hotel TVs

Easy access Home Menu provides guests convenience to hotel information and offerings

Provide convenience even in a no-network environment

Hc69x Series offer an alternative way for guests' convenience. With the Hospitality Home Menu, hotels can provide guests with a simple home screen that displays a live channel stream and shows additional information such as the time and date, a welcome message and hotel information. Easy access to commonly used features is also available from the Hospitality Home Menu. The welcome message, hotel information, and easy access features can be edited from the factory mode. The customizations made to the Home Menu can be easily cloned to a USB, which can then be used to apply the same customization to other Samsung Hospitality Displays.

Offer guests a wide variety of channel selections

The built-in DVB-T2/C/S2 tuner is a Quad tuner that delivers multiple channels directly to hotel TVs without the need for a head-end system. This system lowers total cost of ownership (TCO) by eliminating the need to purchase head-end devices for satellite and terrestrial channels.

It also enhances the guest experience by enabling guests to enjoy a variable range of high-definition (HD) TV channels. The tuner is connected to multiple sources (satellite, cable and Internet), so that guests have expanded access to multiple TV channels, rather than limited access to a single source.

Minimize overall TCO with simplified device management and optimized resource management

Samsung Hospitality Displays provide centralized management from a control room, and the convenient and efficient management features provided default also reduce trips to the rooms for display maintenance. Being connected to the hotel's network infrastructure, each in-room display can be monitored and even have the content grouping policy and EPG deployed instantaneously from the control room. The simplified configuration of having just the display that delivers similar convenience without the complexity of an additional set-top box (STB) provides hotels the benefit of one less device to worry about.

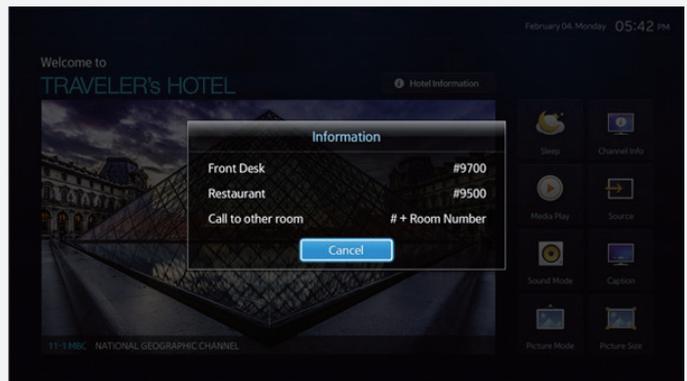
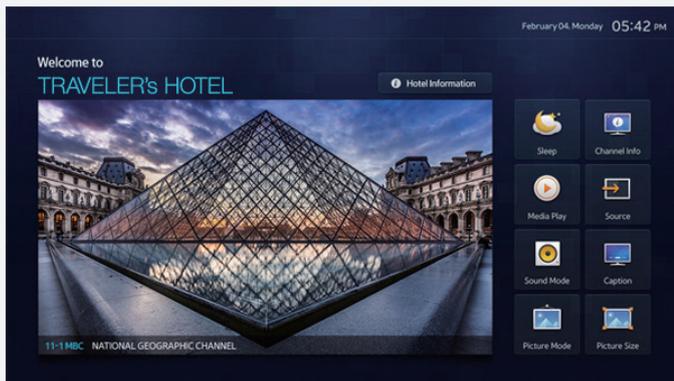


Figure 5. Guests can access the welcome message and hotel information easily through the Hospitality Home Menu

Samsung HC69x Series

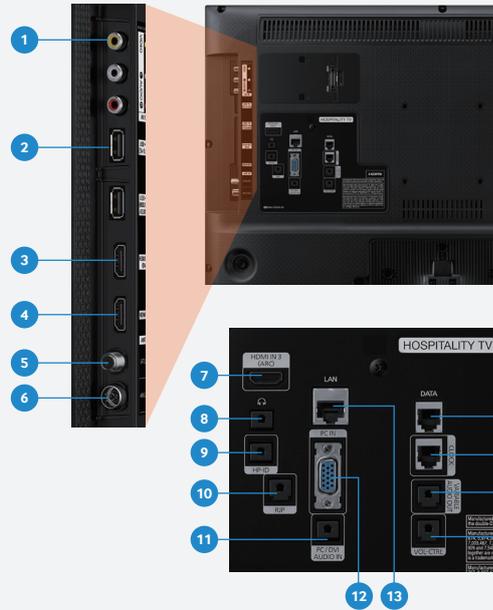
HC69x

28"



- HG28EC690AB

Connectors



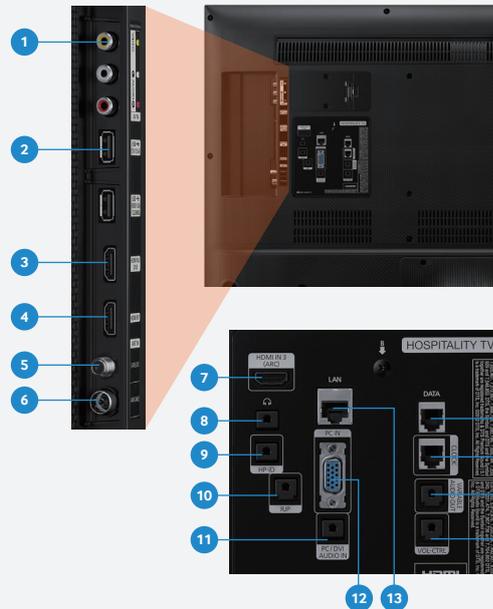
1. COMPONENT / AV-IN
2. USB
3. HDMI IN 2 (DVI)
4. HDMI IN 1
5. ANT IN (SATELLITE)
6. ANT IN (AIR/CABLE)
7. HDMI IN 3 (ARC)
8. DIGITAL AUDIO OUT (OPTICAL)
9. HEADPHONE ID
10. RJP
11. PC/DVI AUDIO IN
12. PC IN
13. RJ45 (LAN)
14. DATA
15. CLOCK
16. VARIABLE AUDIO OUT
17. VOL-CTRL

32" / 40" / 48"



- HG32EC690DB
- HG40EC690DB
- HG48EC690DB

Connectors



1. COMPONENT / AV-IN
2. USB
3. HDMI IN 2 (DVI)
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Samsung HC69x Series

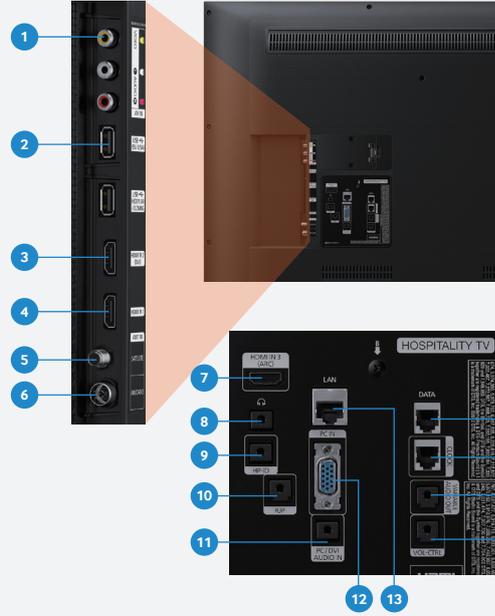
HC69x

55"



- HG55EC690EB

Connectors



1. COMPONENT / AV-IN
2. USB
3. HDMI IN 2 (DVI)
4. HDMI IN 1
5. ANT IN (SATELLITE)
6. ANT IN (AIR/CABLE)
7. HDMI IN 3 (ARC)
8. DIGITAL AUDIO OUT (OPTICAL)
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12. PC IN
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Samsung HC69x Series

Specifications

		28HC69x	32HC69x	40HC69x	48HC69x	55HC69x
Display	Backlight	LED				
	Inch	28	32	40	48	55
	HD/FHD	HD	FHD			
	Resolution	1,366 x 768	1,920 x 1,080			
Video	Picture Engine	HyperReal Engine				
	Static Contrast Ratio	3,000:1	5,500:1	5,000:1		
	Response Time	6.5ms		8ms	8ms	6ms
	Viewing angle (Horizontal/Vertical)	178/178				
	Brightness	250 cd/m ²	350 cd/m ²			
	Micro Dimming	N/A				No
	Wide Color Enhancer Plus	Yes				
	Auto Motion Plus	N/A				100Hz
	Film Mode	Yes				
	Audio	Dolby	Dolby MS10			
DTS Studio Sound / DTS+ / DTS Premium Sound / DTS Premium Sound 5.1		DTS Studio Sound				
3D Sound		N/A				
Auto Volume Leveler		Yes				
Speaker Type		Down Firing + Full Range				
Sound Output (RMS)		5W x 2	10W X 2			
Woofer		N/A				
Variable Speaker Output		4W (Mono, 8Ω)				
Feature		Smart Hub	Yes			
	Apps	Yes				
	Web Browser	Yes				
	Samsung Smart View	Yes				
	Voice Control	N/A				
	Samsung 3D	N/A				
	3D Converter	N/A				
	Wireless LAN Built-in	Yes				
	AllShare - Contents Sharing	Yes				
	AllShare - Screen Mirroring	Yes				
	ConnectShare™ (USB 2.0)	Movie				
	Wake On LAN	Yes				
	Soft AP	Yes				
	BT HID Built-in	No	Yes			
	USB HID Support	Yes				
	TV SoundConnect	No	Yes			
	OSD Language	27 European Languages				
Digital Clean View	Yes					

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Feature	HDMI 1.4 3D Auto Setting			N/A		
	HDMI 1.4 A / Return Ch. Support (ARC)			Yes		
	Anynet+ (HDMI-CEC)			Yes		
	BD Wise Plus			N/A		
	Auto Channel Search			Yes		
	Auto Power Off			Yes		
	EPG			Yes		
	Teletext (TTX)			Yes		
	Caption (Subtitle)			Yes		
	Wake-up Timer			Yes		
	Sports Mode 2.0			Basic		
	Game Mode			Yes		
	Picture-In-Picture			Yes		
	Sleep Timer			Yes		
	Hbb TV			Yes		
	Hospitality Feature	Hospitality Home Menu			Yes	
Samsung LYNK REACH				Yes		
Samsung LYNK REACH Server Compatibility				Yes		
Samsung LYNK SINC Compatibility				Yes		
H.Browser Compatibility				Yes		
Hospitality Plug&Play (Easy Set-up)				Yes		
RJ 12 / IR Pass Through				Yes		
Power on Mode				Yes		
USB Cloning				Yes		
Hotel Channel List				Yes		
Mixed Channel List (ATSC, DVB-T/T2/C/S2, Analog)				Yes		
Logo Display with Time Out Setting (BMP/Movie)				Yes		
Welcome Message				Yes		
Music Mode (Input : PC/AV/Component/HDMI)				Yes		
Music Mode BackLight on/off				Yes		
Auto Source Mode				Yes		
Energy Saving Mode(BLU control)			Yes			

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Hospitality Feature	External Clock Compatibility			Yes		
	Clock Back Up Supply			Yes		
	External Clock Dimming Control			Yes		
	Software Clock			Yes		
	My Channel			Yes		
	Multi Code Remote Control			Yes		
	Screwed Remote Battery Cover			Yes		
	Security Mode			No		
	Smovie Compatibility			Yes		
	Sound bar compatibility			Yes		
	Samsung LYNK DRM			Yes (Accentio)		
Input & Output	HDMI (Side/Rear)			2/1		
	USB (Side/Rear)			2/0		
	Component In (Y/Pb/Pr) (Side/Rear)			No		
	Composite In (AV) (Side/Rear)			1/0		
	Ethernet (LAN) (Side/Rear)			0/1		
	Headphone (Side/Rear)			0/1		
	Headphone ID (Side/Rear)			0/1		
	Digital Audio Out (Optical) (Side/Rear)			No		
	Audio Out (Mini Jack) (Side/Rear)			No		
	PC In (D-sub) (Side/Rear)			0/1		
	PC/DVI Audio In (Mini Jack) (Side/Rear)			0/1		
	RF In (Terrestrial/Cable input) (Side/Rear)			1/0		
	RF In (Satellite input) (Side/Rear)			1/0		
	RS232C			Yes (Common Use for RJ12)		
	CI Slot (Side/Rear)			1/0		
	Variable Audio Out (Side/Rear)			0/1		
	Variable Audio Out Volume Control (Side/Rear)			0/1		
RJ12 for External Control (Side/Rear)			0/1			
RJP Jack (Remote Jack Pack) (Side/Rear)			0/1			

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System	DTV Tuner	DVB-T2/C/S2				
	Analog Tuner	Yes				
	DiSEqC	Yes				
Design	Front Color	Black				
	Stand Type	Square				
	Swivel (Left/Right)	N/A	90/90			
Dimension	Set Dimension with stand (mm/in.)	643.4 x 435.0 x 163.4 25.3 x 17.1 x 6.4	721.4 x 465.6 x 192.6 28.4 x 18.3 x 7.5	906.6 x 577.6 x 226.5 35.6 x 22.7 x 8.9	1,075.1 x 673.5 x 226.5 42.3 x 26.5 x 8.9	1,230.6 x 762.8 x 226.5 48.4 x 30.0 x 8.9
	Set Dimension w/o stand (mm/in.)	634.4 x 396.5 x 62.9 25.3 x 15.6 x 2.4	721.4 x 428.5 x 64.9 28.4 x 16.8 x 2.5	906.6 x 532.9 x 65.1 35.6 x 20.0 x 2.5	1,075.1 x 627.6 x 65.5 42.3 x 24.7 x 2.5	1,230.6 x 718.4 x 64.0 48.4 x 28.2 x 2.5
	Package Dimension (mm/in.)	815 x 463 x 108 32 x 18.2 x 4.2	899 x 506 x 113 35.3 x 19.9 x 4.4	1,100 x 616 x 120 43.3 x 24.2 x 4.7	1,292 x 730 x 133 50.8 x 28.7 x 5.2	1,535 x 810 x 145 60.4 x 31.8 x 5.7
Weight	Set Weight with stand (kg/lb)	4.1 / 9.0	6.4 / 14.1	10.7 / 23.5	14 / 28.6	18.6 / 41.0
	Set Weight w/o stand (kg/lb)	3.7 / 8.1	5 / 11.0	7.8 / 17.1	11.1 / 24.4	15.7 / 34.6
	Package Weight (kg/lb)	5.6 / 12.3	7.5 / 16.5	12.3 / 27.1	17.5 / 38.5	23.0 / 50.7
VESA	VESA mount (mm/in.)	100 x 100 3.9 x 3.9	200 x 200 7.8 x 7.8		400 x 400 15.7 x 15.7	
	VESA Screw Size	M4	M8			
Power	Power Supply (V)	AC220-240V 50/60Hz				
	Power Consumption (Rated) (Watts)	57	88	105	119	156
	Power Consumption (Stand-by) (Watts)	0.5				
	Power Consumption (IEC 62087 Edition 2) (Watts)	25	42	48	67	86
	Peak Luminance Ratio	72%	73%	69%	73%	77%
	Yearly Power Consumption (EU standard, kWh)	32	47	58	64	98
Eco	Eco Label	Yes				
	Eco Mark	N/A				
	Eco Sensor	N/A	Yes			
	Energy Efficiency Class	A+	A	A+		
	Mercury Content (mg)	0.0mg				
	Lead Presence	Yes				

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Accessory	Remote Controller Model				TM1240	
	PureCare Remote (Seamless White Remote)				No	
	Battery (for Remote Control)				Yes	
	Mini Wall Mount Support	No		Yes		
	Vesa Wall Mount Support				Yes	
	Power Cable				Yes	
	Data Cable				Yes	
	Slim Gender Cable				N/A	
	Quick Install Guide				Yes	
	Stand Mount Kit	No			Yes	

Legal and additional information

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For more information

For more information about Samsung HC69x Series displays, visit www.samsung.com/business or www.samsung.com/displaysolutions

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