Samsung HC67x Series

Attractive and high-performing displays designed for hospitality environments

Highlights

- Provide a premium viewing experience with slim, stylish LED displays for hospitality guests

- Streamline content management with Samsung LYNK™ REACH 3.0 solution user interface (UI) and editing tool

- Provide convenient Home Menu for guests even in no-network environment

- Cut costs and enhance security with Samsung's software-based LYNK Digital Rights Management (DRM) technology

- Help guests stay on time with the clock accessory supported by a backup power supply

- Reduce operating expenses with energy-saving features

Address guest needs and staff requirements with consistent hospitality displays

Successful hoteliers know that travelers expect in-room entertainment similar to what they experience at home. However, hotel owners and managers must control costs when investing in new displays. Finding an affordable mid-range in-room display with superior performance and a slim design can be a challenge. Many displays on the market lack compatibility with standard system integrator (SI) solutions.

Samsung HC67x Series high-performing displays include many features hoteliers need, at a reasonable cost. The slim, streamlined design of these displays contributes to a pleasant room ambiance and superior viewing experience. Plus, the displays include content tools to simplify content management by hotel staff. In addition, the

displays help reduce costs with enhanced technology and energy-saving features. Guests can stay on schedule with the help of the clock accessory and be entertained with myriad entertainment options.

Create an enhanced in-room entertainment environment

High-quality displays in guest rooms can contribute to an enjoyable hotel stay. With the elegant design of Samsung HC67x Series slim displays, hoteliers can elevate guests' viewing experience. Light and unobtrusive, the displays feature a narrow bezel, providing more viewing area. The slim display form factor further brings details that provide hotel guests a richer viewing experience and a more sophisticated in-room atmosphere.

Figure 1. HC67x Series displays elevate guests' viewing experience with a slim and elegant design

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Offer an enriching hotel guest experience with a wide range of entertainment options

Simplify information updates with intuitive tools

LYNK REACH 3.0 is a specialized solution for hospitality environments that provides a simplified UI and editing tool. This tool organizes and displays content, such as hotel information, images, logos and Electronic Program Guides (EPGs) using existing infrastructure. Four editable templates are provided for creating a fully customizable UI. Also provided is a new template that supports advertisements with live channels for the hotel lobby and restaurants. The ability to include advertisements on the displays during broadcasts provides an additional revenue stream for hotels.

The REACH server provides a straightforward way to manage several hundred hospitality displays remotely. This system helps reduce labor costs associated with updating each display individually. The technology also helps reduce total cost of ownership (TCO) because no set-top box (STB) or Internet Protocol (IP) infrastructure is needed.

Figure 2. The REACH server allows hoteliers to manage several hundred hospitality displays remotely

The REACH interface is designed to display content on in-room screens and provide PC-based content management for hotel personnel. In-room screen content includes hotel information and marketing messages for guests. The interface helps content managers readily edit and manage information and the content can be provided from the Internet through the REACH server.

EPG information for live channels can also be linked with the EPG Broker plug-in module by downloading EPG data from the Samsung Smart Hub, which automatically updates and deploys it to the TVs.

To further customize in-room content for guests, REACH offers additional conveniences for the hotel manager, such as creating content for specific groups of guests. Various guests can be assigned to groups that have similar sets of channels and content needs. Managers can create up to 10 groups of displays with dedicated content for each group, which is ideal for targeting a specific group of guests such as convention attendees.
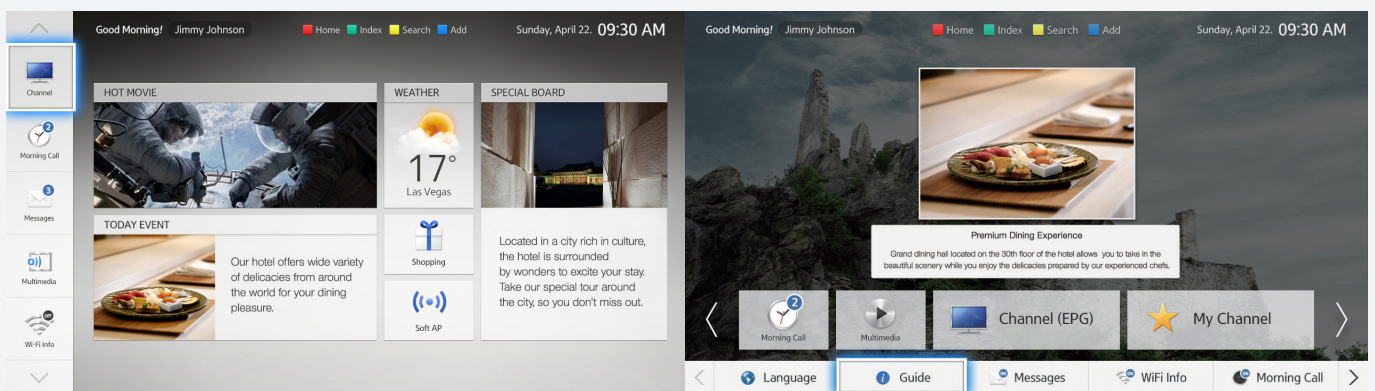

Figure 3. The REACH UI can be customized to provide hotels with a look uniquely their own

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Lower expenditures and save energy using innovative technology

Provide convenience even in a no-network environment

HC67x Series displays offer an alternative way for hotels to enhance guests' convenience. With the Hospitality Home Menu, hotels can provide guests with a simple home screen that displays a live channel stream. Plus, the home screen 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. Plus, 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.

Enhance content protection with pure software DRM solution

Samsung LYNK DRM technology provides hoteliers, facility managers and owners with a safeguarded and cost-effective alternative to traditional hardware-based content protection systems. This technology allows encrypted content to pass safely to display on hospitality screens.

A software-only implementation, Samsung LYNK DRM technology provides quicker recovery for Conditional Access System (CAS) problems. Enhanced functions include support for a video-on-demand (VoD) system. To help ensure reliability, the technology also supports additions to cable head-end equipment.

Reinforce management over in-room displays with Security Mode

Samsung HC67x Series displays provide the unique and strong hardware control with Security Mode. With this feature, With this feature, managers can disable Teletext (TTX), the HDMI® port and the USB port on the displays. By controlling these hardware functions using the Security Mode, managers can prevent guests from viewing non-compliant content or transmitting unwanted TTX on the hotel property. For the customer who requires a high content management level, this Security Mode can help maintain complete in-room control.

Offer accurate timekeeping without interruption using the clock accessory

The optional, attachable clock helps hoteliers provide the correct time to guests. The clock's backup power supply eliminates the need to reset the time if a power interruption occurs. The clock can run accurately without external power for up to 72 hours.

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.
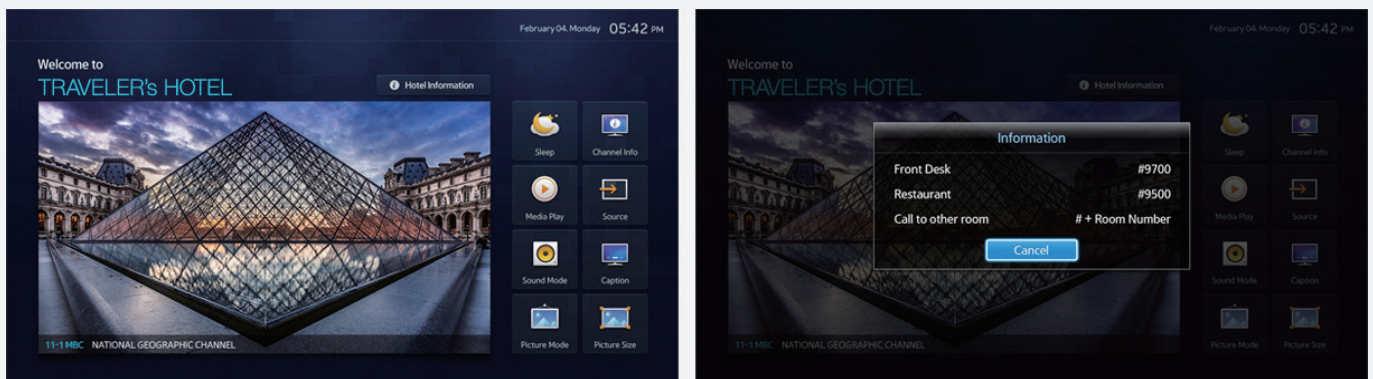

Figure 4. Guests can access the welcome message and hotel information easily through the Hospitality Home Menu

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Samsung HC670 Series

HC670

28" / 40" / 48"

- HG28NC670AF

- HG40NC670DF
- HG48NC670DF

Connectors

1. HDMI IN 2 (DVI)
2. HDMI IN 1
3. USB
4. COMPOSITE IN (AV)
5. HDMI IN 3 (ARC)
6. DATA
7. EX-LINK
8. AUDIO OUT
9. ANT IN

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Samsung HC673 Series

HC673

28"

• HG28NC673AF

Connectors

1. HDMI IN 2 (DVI)
2. HDMI OM 1
3. USB
4. COMPOSITE IN (AV)
5. HDMI IN 3
6. PILLOW OUT
7. DATA
8. EX-LINK
9. AUDIO OUT
10. ANT IN

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Samsung HC677 Series
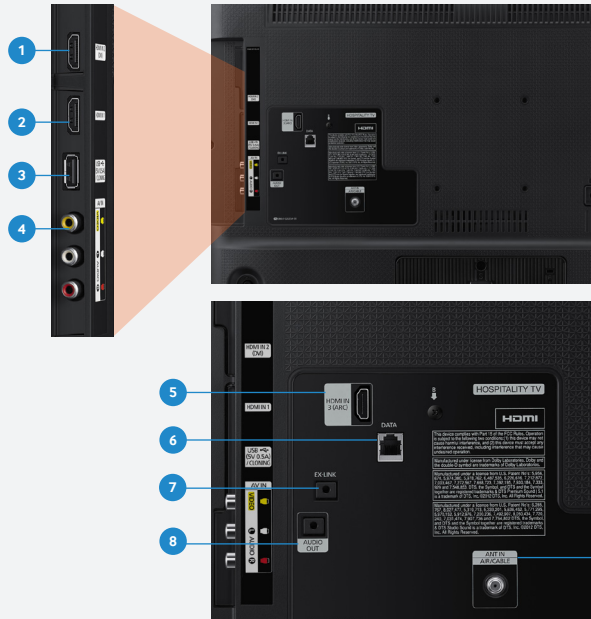
HC677

28" / 40" / 48"

• HG28NC677AF

• HG40NC677DF
• HG48NC677DF

Connectors

1. HDMI IN 2 (DVI)
2. HDMI IN 1
3. USB
4. COMPOSITE IN (AV)
5. HDMI IN 3 (ARC)
6. DATA
7. EX-LINK
8. AUDIO OUT
9. ANT IN

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SAMSUNG

Samsung HC678 Series

HC678

40" / 48"

Connectors

- HG40NC678DF
- HG48NC678DF

1. HDMI IN 2 (DVI)
2. HDMI IN 1
3. USB
4. COMPOSITE IN (AV)
5. HDMI IN 3 (ARC)
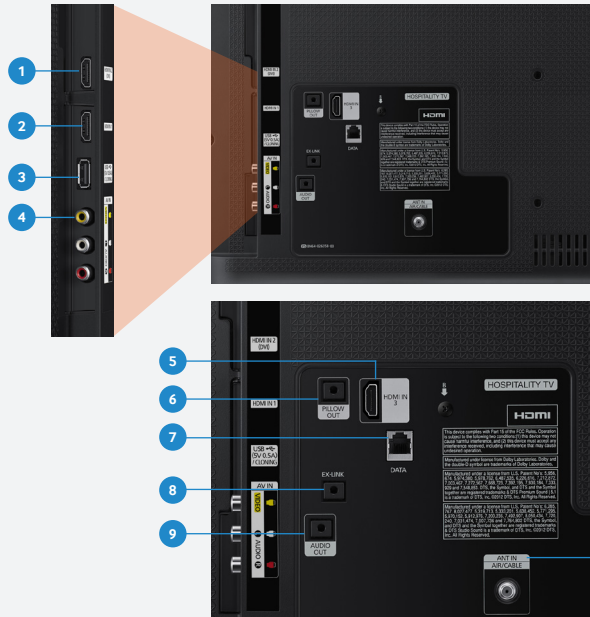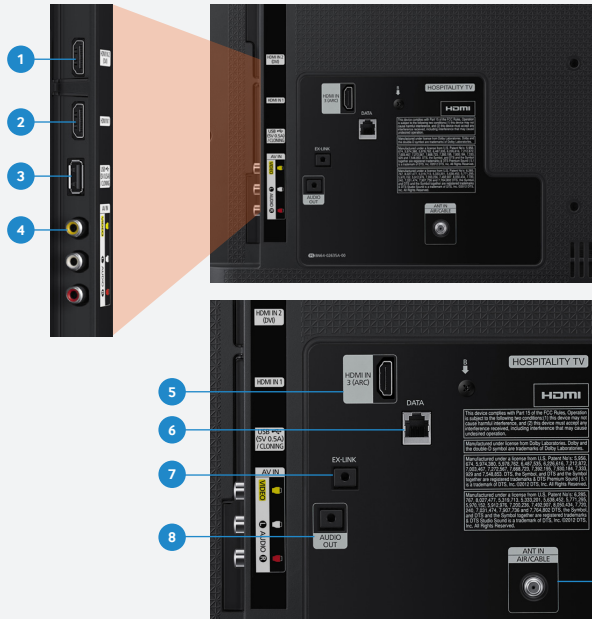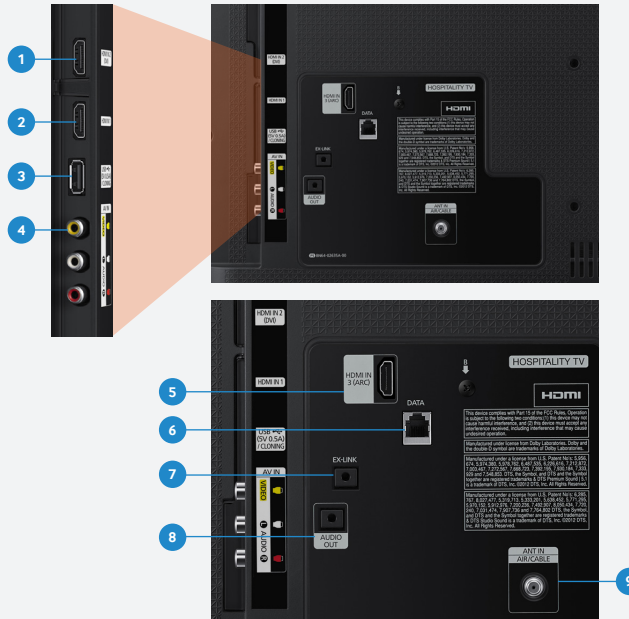6. DATA
7. EX-LINK
8. AUDIO OUT
9. ANT IN

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Samsung HC67x Series

Specifications

		28HC670	400HC670	48HC670	28HC673	28HC677	40HC677	48HC677	40HC678	48HC678
Display	Backlight	LED								
	Inch	28	40	48	28	28	40	48	40	48
	HD/FHD	HD	FHD		HD	HD	FHD			
	Resolution	1,366 x 768	1,920 x 1,080		1,366 x 768		1,920 x 1,080			
Video	Picture Engine	HyperReal Engine								
	Static Contrast Ratio	1200:1	5000:1		1200:1		5000:1			
	Response Time	8ms								
	Viewing angle (Horizontal/ Vertical)	178/178								
	Brightness	250 cd/m²	350 cd/m²		250 cd/m²		350 cd/m²			
	Micro Dimming	N/A								
	Wide Color Enhancer Plus	Yes								
	Auto Motion Plus	N/A								
	Film Mode	Yes								
Audio	Dolby	Dolby Digital Plus / Dolby Pulse								
	DTS Studio Sound / DNSe+	DTS Studio Sound								
	DTS Premium Sound / DTS Premium Sound 5.1	DTS Premium Sound 5.1								
	3D Sound	N/A								
	Auto Volume Leveler	Yes								
	Speaker Type	Down Firing + Full Range								
	Sound Output (RMS)	5W x 2	10W x 2		5W x 2		10W x 2			
	Woofer	N/A								
	Variable Speaker Output	-								
Feature	Smart Hub	No								
	Apps	No								
	Web Browser	No								
	Samsung Smart View	No								
	Voice Control	No								
	Samsung 3D	No								
	3D Converter	No								
	Wireless LAN Built-in	No								
	AllShare - Contents Sharing	No								
	AllShare - Screen Mirroring	No								
	ConnectShare™ (USB 2.0)	Movie								
	Wake On LAN	No								
	Soft AP	No								
	BT HID Built-in	No								

Samsung HC67x Series

Specifications

		28HC670	40HC670	48HC670	28HC673	28HC677	40HC677	48HC677	40HC678	48HC678
Feature	USB HID Support					No				
	TV SoundConnect					No				
	OSD Language					English, Spanish, French				
	Digital Clean View					Yes				
	HDMI 1.4 3D Auto Setting					No				
	HDMI 1.4 A / Return Ch. Support (ARC)					Yes				
	Anynet+ (HDMI-CEC)					Yes				
	Auto Channel Search					Yes				
	Auto Power Off					Yes				
	EPG					No				
	Caption (Subtitle)					Yes				
	Wake-up Timer					Yes				
	Sports Mode 2.0					No				
	Game Mode					Yes				
	Picture-In-Picture					Yes				
	Sleep Timer					Yes				
Hospitality Feature	Hospitality Home Menu					Yes				
	Samsung LYNK™ REACH					Yes				
	Samsung LYNK™ REACH Server Compatibility					Yes				
	Samsung LYNK™ SINC Compatibility					No				
	H.Browser Compatibility					No				
	Hospitality Plug&Play (Easy Set-up)					Yes				
	RJ 12 / IR Pass Through					Yes				
	Power on Mode					Yes				
	USB Cloning					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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Samsung HC67x Series

Specifications

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Hospitality Feature	Clock Back Up Supply					Yes				
	Software Clock					Yes				
	Multi Code Remote Contro					Yes				
	Screwed Remote Battery Cover		Yes		N/A			Yes		
	Security Mode		Yes		No		Yes		No	
	Smoovie Compatibility					Yes				
	Sound bar compatibility		Yes		No			Yes		
	Samsung LYNK™ DRM					Yes				
	Pro:Idiom		No				Yes			
	bLAN				No				Yes	
Input & Output	HDMI (Side/Rear)					2/1				
	USB (Side/Rear)					1/0				
	Component In (Y/Pb/Pr) (Side/Rear)					No				
	Composite In (AV) (Side/Rear)					1/0				
	Ethernet (LAN) (Side/Rear)					N/A				
	Headphone (Side/Rear)					No				
	Headphone ID (Side/Rear)					No				
	Digital Audio Out (Optical) (Side/Rear)					No				
	Audio Out (Mini Jack) (Side/Rear)					0/1				
	PC In (D-sub) (Side/Rear)					No				
	PC/DVI Audio In (Mini Jack) (Side/Rear)					No				
	RF In (Terrestrial/Cable input) (Side/Rear)					1/0				
	RS232C				Yes (Common Use for RJ12)					
	Pillow Speaker Jack (Side/Rear)		No		Yes			No		
	Variable Audio Out (Side/Rear)					No				
	Variable Audio Out Volume Control (Side/Rear)					No				
	RJ12 for External Control (Side/Rear)					0/1				
	RJP Jack (Remote Jack Pack) (Side/Rear)					0/1				

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Samsung HC67x Series

Specifications

		28HC670	40HC670	48HC670	28HC673	28HC677	40HC677	48HC677	40HC678	48HC678
System	DTV Tuner	ATSC / Clear QAM								
	Analog Tuner	Yes								
Design	Front Color	Black								
	Stand Type	Square			N/A	Square				
	Swivel (Left/Right)	No	90/90		N/A		90/90			
Dimension	Set Dimension with Stand (WxHxD) (mm)	643.4 x 435.0 x 163.4	906.6 x 577.6 x 226.5	1,075.1 x 673.5 x 226.5	-	643.4 x 435 x 163.4	906.6 x 577.6 x 226.5	1,075.1 x 673.5 x 226.5	906.6 x 577.6 x 226.5	1,075.1 x 673.5 x 226.5
	Set Dimension without Stand (WxHxD) (mm)	643.4 x 396.5 x 62.9	906.6 x 532.9 x 65.1	1,075.1 x 627.6 x 65.5	643.4 x 396.5 x 62.9	643.4 x 396.5 x 62.9	906.6 x 532.9 x 65.1	1,075.1 x 627.6 x 65.5	906.6 x 532.9 x 65.1	1,075.1 x 627.6 x 65.5
	Package Dimension (WxHxD) (mm)	815 x 463 x 108	1100 x 616 x 120	1,292 x 730 x 133	815 x 463 x 108	815 x 463 x 108	1,100 x 616 x 120	1,292 x 730 x 133	1,100 x 616 x 120	1,292 x 730 x 133
Weight	Set Weight with Stand (kg)	4.1	10.7	14	-	4.1	10.7	14	10.7	14
	Set Weight without Stand (kg)	3.7	7.8	11.1	3.7	3.7	7.8	11.1	7.8	11.1
	Package Weight (kg)	5.6	12.3	17.5	4.8	5.6	12.3	17.5	12.3	17.5
VESA	VESA Mount (mm)	100 x 100	200 x 200	400 x 400	100 x 100	100 x 100	200 x 200	400 x 400	200 x 200	400 x 400
	VESA Screw Size	M4	M8		M4		M8			
Power	Power Supply (V)	AC110-120V 60Hz								
	Multi Voltage	AC110-220V								
	Power Consumption (Rated) (Watts)	43	98	115	50	43	98	115	98	115
	Power Consumption (Stand-by) (Watts)	0.5	0.5	0.5	1.0	0.5	0.5	0.5	0.5	0.5
	Power Consumption (Typical) (Watts)	25	30	40	30	25	40	35	35	40
Eco	Eco Mark	Energy Star v6.0								
	Eco Sensor	No	Yes		No		Yes			
Accessory	Remote Controller Model	TM1240			N/A	TM1240				
	Battery (for Remote Control)	Yes			N/A	Yes				
	Mini Wall Mount Support	No	Yes		No		Yes			
	Vesa Wall Mount Support	Yes								
	Power Cable	Yes								
	Data Cable	Yes			No	Yes				
	Security Screws	Yes			No	Yes				
	Quick Install Guide	Yes								
	Stand Mount Kit	Yes			No	Yes				

Legal and additional information

About Samsung

Samsung Electronics Co., Ltd. is a global leader in technology, opening new possibilities for people everywhere. Through relentless innovation and discovery, we are transforming the worlds of TVs, smartphones, tablets, PCs, cameras, home appliances, printers, LTE systems, medical devices, semiconductors and LED solutions. We employ 286,000 people across 80 countries with annual sales of US$216.7 billion. To discover more, please visit www.samsung.com.

For more information

Form more information about Samsung HC67x Series displays, visit

www.samsung.com/business or

www.samsung.com/displaysolutions

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