

Samsung HC89x Series

Sophisticated metallic design and high-end features for state-of-the-art hospitality environments



Highlights

- Create a sophisticated viewing environment with a premium luxury metal design and state-of-the-art technology
- Offer an upgraded guest experience with wireless connection to personal devices
- Customize important hotel content using the brand new Samsung LYNK™ SINC
- Protect content with Samsung LYNK Digital Rights Management (DRM) technology
- 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.

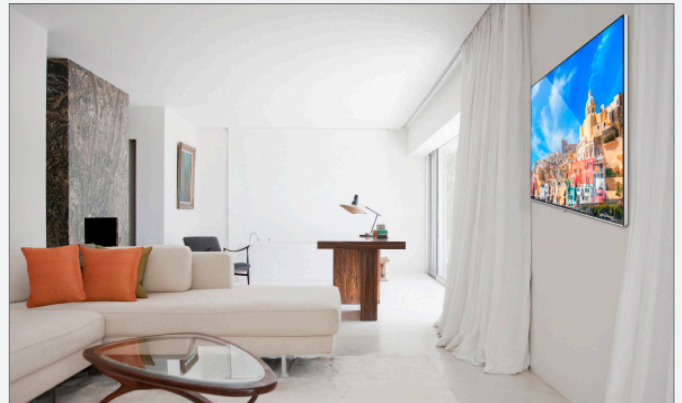
Samsung HC89x Series displays are integrated, high-performing TVs that include many desirable features and an interface designed for ease of use. These displays contribute to a pleasant room ambiance and superior viewing experience because of their slim, streamlined design. With smart connectivity features, 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

HC89x Series displays are designed especially for 5-star hotel suites. The displays feature a full metal frame and stand for an elevated level of sophistication to enhance the ambiance of high-end hotel rooms.

HC89x 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 in-room décor.

In addition to the slim design, the displays offer a true in-room technology, information and entertainment hub that integrates controllability, manageability and entertainment functionality.



Create an in-room information hub to satisfy guest expectations

Offer flexible entertainment through convenient wireless connectivity

HC89x 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 from a mobile device to an intuitive interface on the TV for easy selection and viewing. Mobile-to-TV interaction is not restricted to the mobile device platform used. Guest can enjoy their mobile content 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 TV. 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. Hotels that provide access to the internet can make the internet connection available to guests through the display's Soft AP.

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 grid template where each or conjoining grids can be populated with content that hotels would like to offer their guests. 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

Enhance guests' convenience by providing a channel stream and other useful information on a home screen

Efficient Management

LYNK SINC 3.0 enables managers to assign various guests to groups that have similar sets of channels and content needs. Managers can create multiple groups of displays with dedicated content for each group, which is ideal for targeting a specific group of guests such as convention attendees.

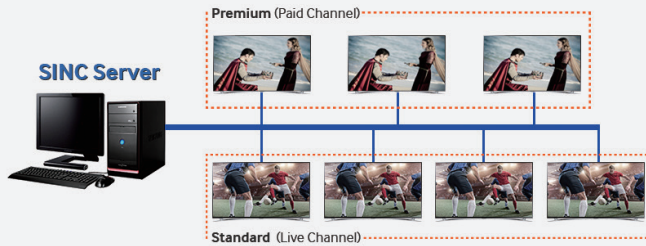


Figure 3. Hotels can organize guests into groups and manage message, channel and content per different groups or even individual guests

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 guest or a group of guests based on guest information from a PMS server.

Maintain robust security with Samsung's software-based LYNK DRM technology

Provide convenience even in a no-network environment

HC89x 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 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.

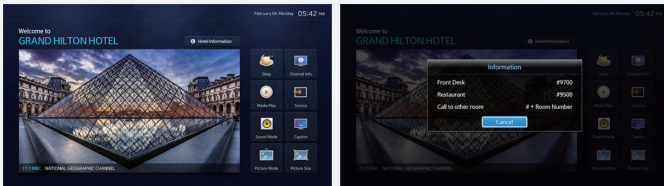


Figure 4. Guests can access the welcome message and hotel information easily through the Hospitality Home Menu

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.

LYNK DRM solves the market need to replace hardware-only based solutions with a new alternative solution. 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 Online Key Renewal without the need to replace TVs, STBs or head-ends.

To help ensure reliability, the ecosystem expansion provided by LYNK DRM includes the addition of head-end providers: Technicolor, VideoPropulsion and Acentic. The expansion also includes VoD service providers (SIs): Quadriga and Swisscom.

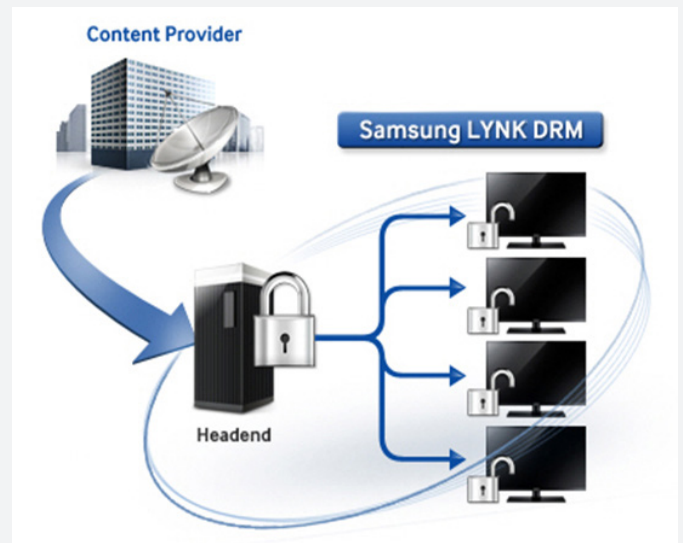


Figure 5. Samsung LYNK DRM technology allows encrypted content to be passed and displayed safely on hotel TVs

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.

Samsung HC89x Series

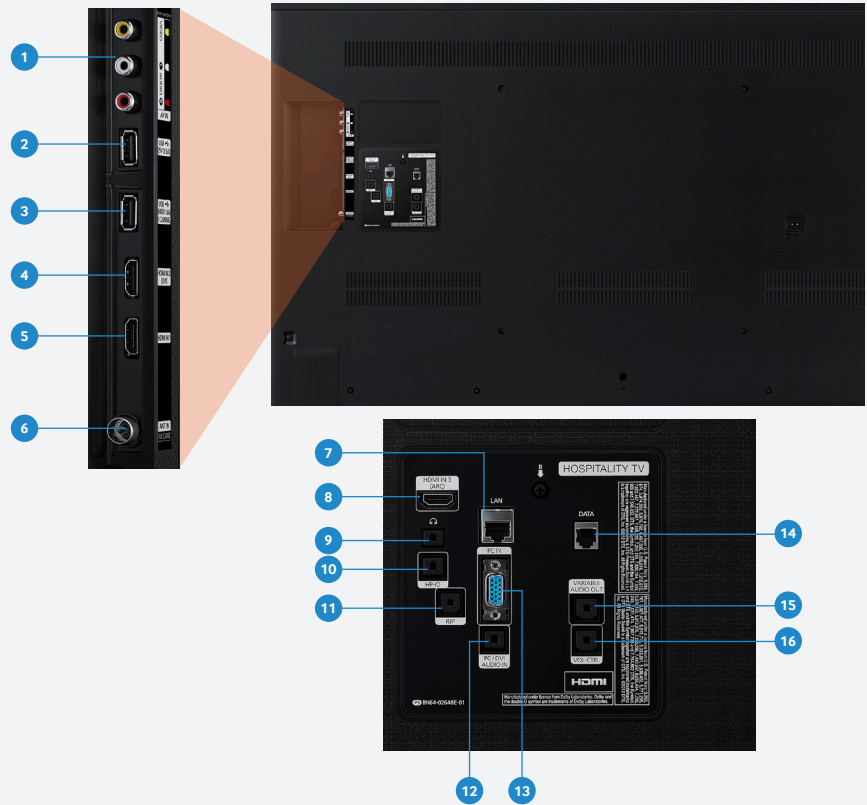
HC89x

46" / 55" / 65"



- HG46AC890XW
- HG55AC890XW
- HG65AC890XW
- HG46AC895XK
- HG55AC895XK
- HG65AC895XK

Connectors



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

Samsung HC890 Series

Specifications

		46HC890	55HC890	65HC890	46HC895	55HC895	65HC895
Display	Backlight	LED					
	Inch	46	55	65	46	55	65
	HD/FHD	FHD					
	Resolution	1,920 x 1,080					
Video	Picture Engine	3D HyperReal Engine					
	Static Contrast Ratio	5000:1					
	Response Time	6.5ms	4ms		6.5ms	4ms	
	Viewing angle (Horizontal/ Vertical)	178/178					
	Brightness	400 cd/m ²					
	Micro Dimming	Micro Dimming Pro					
	Wide Color Enhancer Plus	Yes					
	Auto Motion Plus	200Hz					
	Film Mode	Yes					
	Audio	Dolby	Dolby MS10				
DTS Studio Sound / DNSe+		DTS Studio Sound					
DTS Premium Sound / DTS Premium Sound 5.1		DTS Premium Sound 5.1					
3D Sound		Yes					
Auto Volume Leveler		Yes					
Speaker Type		Down Firing + New Waveguide					
Sound Output (RMS)		40W(Left:10W, Right:10W, Woofer:20W)					
Woofer		Yes					
Feature	Variable Speaker Output	4W (Mono, 8Ω)					
	Smart Hub	Yes					
	Apps	Yes					
	Web Browser	Yes					
	Samsung SMART View	Yes					
	Voice Control	Yes					
	Samsung 3D	Yes					
	3D Converter	Yes					
	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	Yes					

Samsung HC890 Series

Specifications

	46HC890	55HC890	65HC890	46HC895	55HC895	65HC895
Feature	USB HID Support			Yes		
	TV SoundConnect			Yes		
	OSD Language			Local Languages		
	Digital Clean View			Yes		
	HDMI 1.4 3D Auto Setting			Yes		
	HDMI 1.4 A / Return Ch. Support (ARC)			Yes		
	Anynet+ (HDMI-CEC)			Yes		
	BD Wise Plus			Yes		
	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		
	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			

Samsung HC890 Series

Specifications

		46HC890	55HC890	60HC890	46HC895	55HC895	65HC895
Hospitality Feature	Music Mode BackLight on/off			Yes			
	Auto Source Mode			Yes			
	Energy Saving Mode(BLU control)			Yes			
	External Clock Compatibility			No			
	Clock Back Up Supply			Yes			
	External Clock Dimming Control			No			
	Software Clock			Yes			
	My Channel			Yes			
	Multi Code Remote Control			Yes			
	Screwed Remote Battery Cover			Yes			
	Security Mode			Yes			
	Smovie Compatibility			Yes			
	Sound bar compatibility			Yes			
	Samsung LYNK™ DRM			Yes			
	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			
RF In (Terrestrial/Cable input) (Side/Rear)				0/1			
RF In (Terrestrial/Cable input) (Side/Rear)				1/0			
RS232C				(Common Use for RJ12)			
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				

Samsung HC890 Series

Specifications

		46HC890	55HC890	60HC890	46HC895	55HC895	65HC895
System	DTV Tuner	DVB-T/C			DVB-T2/C		
	Analog Tuner	Yes					
Design	Front Color	Black					
	Stand Type	U Stand					
	Swivel (Left/Right)	N/A					
Dimension	Set Dimension with Stand (WxHxD) (mm)	1033.3 * 639.20 * 208.8	1224.8 * 747.5 * 267.7	1447.3 * 886.1 * 301.8	1033.3 * 639.20 * 208.8	1224.8 * 747.5 * 267.7	1447.3 * 886.1 * 301.8
	Set Dimension without Stand (WxHxD) (mm)	1033.3 * 596.9 * 33.2	1224.8 * 706.9 * 33.2	1447.3 * 836.4 * 35.2	1033.3 * 596.9 * 33.2	1224.8 * 706.9 * 33.2	1447.3 * 836.4 * 35.2
	Package Dimension (WxHxD) (mm)	1140 * 668 * 140	1340 * 800 * 152	1571 * 945 * 182	1140 * 668 * 140	1340 * 800 * 152	1571 * 945 * 182
Weight	Set Weight with Stand (kg)	12.5	16.7	25.0	12.5	16.7	25.0
	Set Weight without Stand (kg)	11.3	14.8	22.4	11.3	14.8	22.4
	Package Weight (kg)	15.1	21.1	32.0	15.1	21.1	26.6
VESA	VESA Mount (mm)	400*400					
	VESA Screw Size	M8					
Power	Power Supply (V)	AC100-240V 50/60Hz					
	Power Consumption (Rated) (Watts)	141	153	170	141	153	170
	Power Consumption (Stand-by) (Watts)	0.5					
Eco	Eco Sensor	Yes					
Accessory	Remote Controller Model	TM1480 + TM1240					
	Battery (for Remote Control)	Yes					
	Mini Wall Mount Support	Yes					
	Vesa Wall Mount Support	Yes					
	Power Cable	Yes					
	Data Cable	Yes					
	Slim Gender Cable	Yes					
	Quick Install Guide	Yes					
	Stand Mount Kit	No					

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

For more information about Samsung HC89 Series displays, visit www.samsung.com/business or www.samsung.com/displaysolutions

Copyright © 2014 Samsung Electronics Co. Ltd. All rights reserved. Samsung is a registered trademark of Samsung Electronics Co. Ltd. Specifications and designs are subject to change without notice. Non-metric weights and measurements are approximate. All data were deemed correct at time of creation. Samsung is not liable for errors or omissions. All brand, product, service names and logos are trademarks and/or registered trademarks of their respective owners and are hereby recognized and acknowledged.

1. This feature is available only in the European HB765 model.

Samsung Electronics Co., Ltd.
416, Maetan 3-dong,
Yeongtong-gu
Suwon-si, Gyeonggi-do 443-772,
Korea

www.samsung.com

2014-04

Note

