

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 Internet Protocol (IP) network
- Protect content with Samsung LYNK Digital Rights Management (DRM) technology
- Control expenditures with energy-saving features

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.

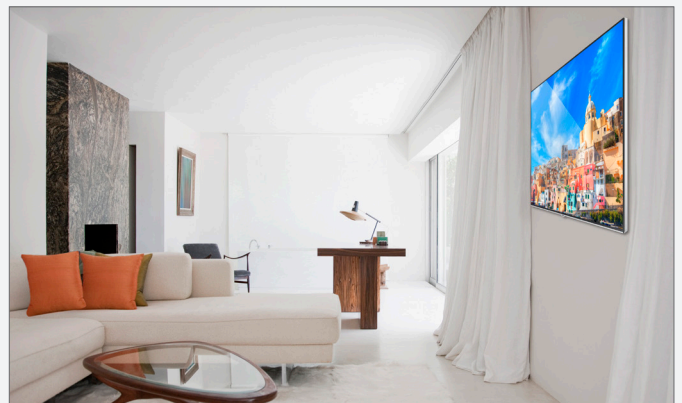
Samsung HC89x Series displays are integrated, high-performing TVs that include many desirable features and an interface designed for ease of use. These displays contribute to a pleasant room ambiance and superior viewing experience because of their slim, streamlined design. With smart connectivity features,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

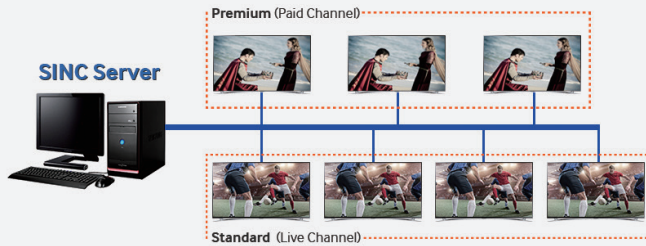


Figure 3. Hotels can organize guests into groups and manage message, channel and content per different groups or even individual guests

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.

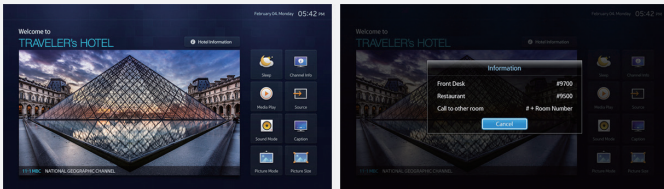


Figure 4. Guests can access the welcome message and hotel information easily through the Hospitality Home Menu

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.

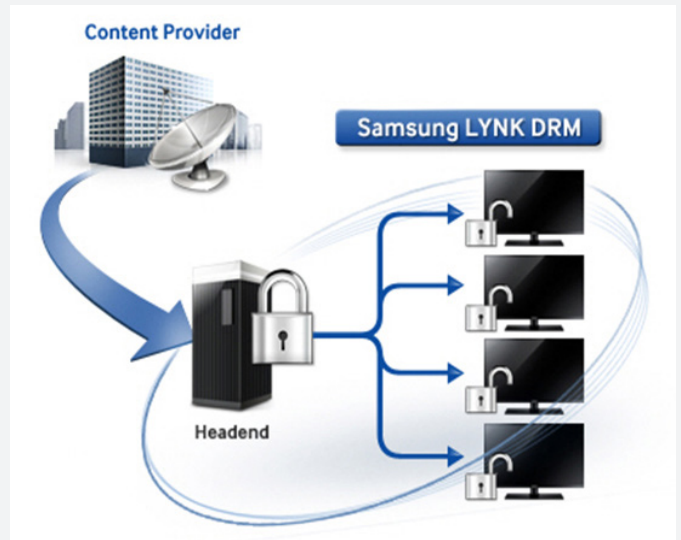


Figure 5. Samsung LYNK DRM technology allows encrypted content to be passed and displayed safely on hotel TVs

Minimize overall TCO with cost-saving and energy-efficient features

HC89x Series displays offer many features to help businesses save energy and reduce expenses. The cost-effective displays eliminate the need for STBs, SI dependency and maintenance fees. Installation costs are also low. In addition, the LED displays are cost-effective because they use less energy, emit less carbon dioxide (CO₂) and require less maintenance. The displays are built with fewer harmful materials than cold cathode fluorescent lamps (CCFLs), so manufacturing and recycling processes are more efficient and environmentally friendly.

Samsung HC890 Series

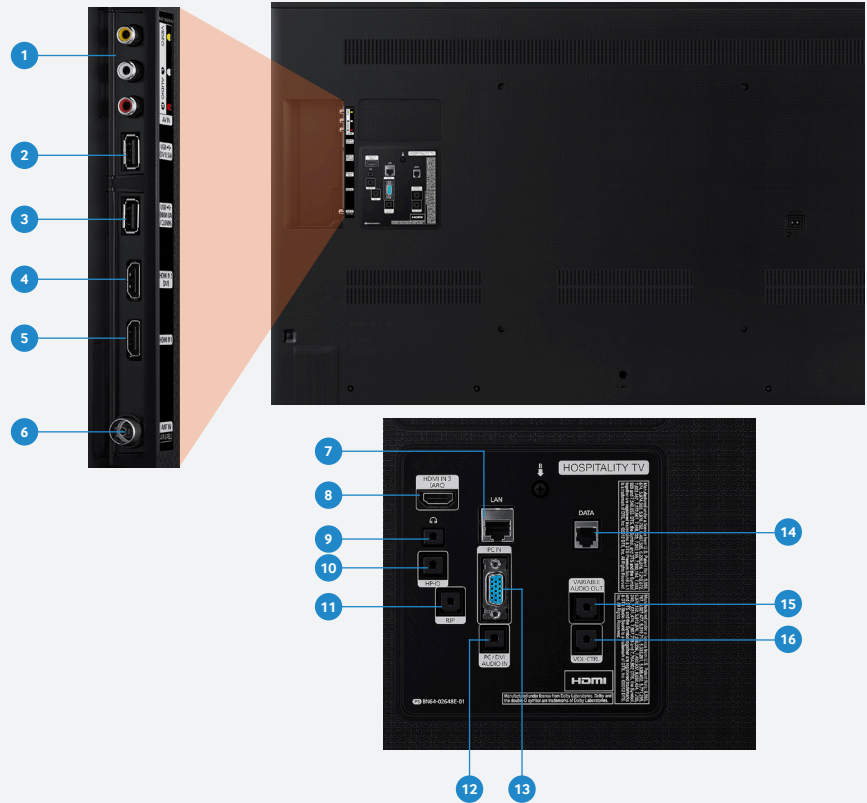
HC890

46" / 55" / 65"



- HG46AC890XW
- HG55AC890XW
- HG65AC890XW

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
Display	Backlight	LED		
	Inch	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	
	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		
Variable Speaker Output	4W (Mono, 8Ω)			
Feature	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

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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	
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

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Specifications

		46HC890	55HC890	65HC890
Hospitality Feature	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		No	
	Smooovie 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	
	PC/DVI Audio In (Mini Jack) (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	

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Specifications

		46HC890	55HC890	65HC890
System	DTV Tuner		DTB-T/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
	Set Dimension without Stand (WxHxD) (mm)	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
Weight	Set Weight with Stand (kg)	12.5	16.7	25.0
	Set Weight without Stand (kg)	11.3	14.8	22.4
	Package Weight (kg)	15.1	21.1	32.0
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
	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	
	3D Glasses (Included)		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

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

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Note

