Samsung HA59x Series

Leverage advanced and integrated hospitality technology for IP environments

Highlights

- Provide a superior guest visit and true multimedia experience with a stylish hospitality display

- Integrate guests' mobile devices into the in-room experience wirelessly with Soft AP and AllShare®

- Customize important hotel content using the brand new Samsung LYNK™ SINC 3.0 solution over an Internet Protocol (IP) network

- Cut costs and enhance security with Samsung LYNK™ Digital Rights Management (DRM) technology

- Operate multiple displays conveniently and easily by assigning up to ten different groups of displays to designated remote controllers

- Reduce operating expenses with energy-saving features

- Cut costs and enhance security with Samsung LYNK™ Digital Rights Management (DRM) technology

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. Yet, the cost of IP-based equipment and interactive solutions can be prohibitive. In addition, many premium TVs on the market provide a varied selection of features, but include an interface that is difficult to use.

Samsung HA59x Series displays are integrated, high-performing TVs that include many desirable features and an interface designed for ease of use. The 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. HA59x can be used to enrich the guest experience by integrating the in-room TV with an IP environment. The solution is a technological initiator to an IP environment at a reasonable cost.

Figure 1. HA59x Series display contributes to a pleasant room ambiance and superior viewing experience with slim, streamlined design

THE NEW
BUSINESS
EXPERIENCE

SAMSUNG

Offer a superior hotel guest experience with a wide range of entertainment options

Integrate guests' mobile devices into the in-room experience wirelessly with Soft AP and AllShare

HA59x Series displays transform the guest experience by providing an in-room, multi-device entertainment hub with the following features:

AllShare

AllShare technology, powered by the Digital Living Network Alliance (DLNA), gives guests the flexibility to play personal content through a wireless connection on their in-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. In addition, 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 highly customizable content management solution

With the LYNK SINC 3.0, hotels can provide a customized display menu for guests. For example, the menu can offer Hotel Info, Hotel Services, Local Info and Events sections. LYNK SINC includes three user interface (UI) templates so hotel personnel can choose the one that works best for the clientele. The UI is highly flexible, with transparency and background images. The LYNK SINC application offers the following features:

- Customized service for groups or individuals

- TV monitoring and management

- Internet protocol TV (IPTV) live multicast

The application also supports Samsung Smart Hub, which enables hotels to download widgets and deliver customized content to guests.

LYNK SINC helps reduce total cost of ownership (TCO) because no set-top box (STB) is needed and the solution is not dependent on a system integrator (SI). Guests can use the simplified system to access tourist guidance, weather and other useful information. They can also access popular social media sites, such as Facebook®, Twitter® and YouTube™.

Figure 2. With LYNK SINC 2.0, hotels can provide a customized display menu for guests

Provide personalized service to each guest with multicode remote controller

Enhance content protection with a pure software DRM solution

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

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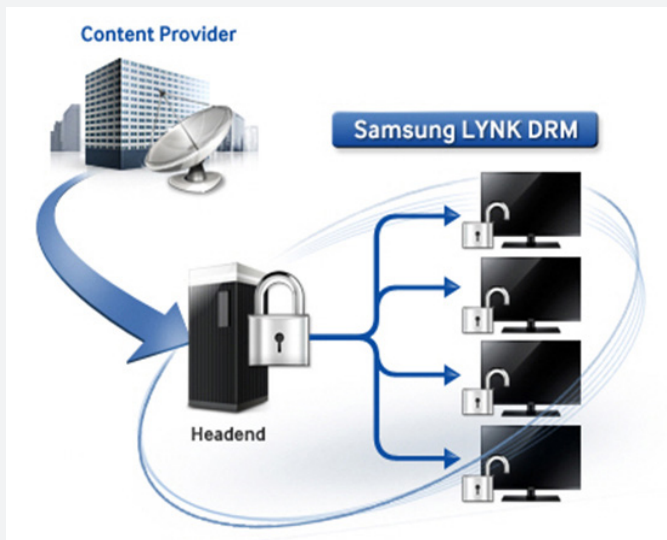

Figure 4. Multicode remote contrillers for targeted display contro;

Figure 3. LYNK DRM technology allows encrypted content to pass safely and display on hospitality screens

Dedicate the remote controller for up to ten different groups of displays for easy control

HA59x Series displays feature a multicode remote controller that can be dedicated to a specific group of displays. A hotel manager can combine up to ten groups, and then dedicate the remote controller to one specific group. After the remote controller is designated to a group, the control only affects the displays in the group. In areas such as gyms where multiple displays show numerous channels, this feature minimizes the entanglement of remote controller signals and provides a comfortavle and personalized service to each guest.
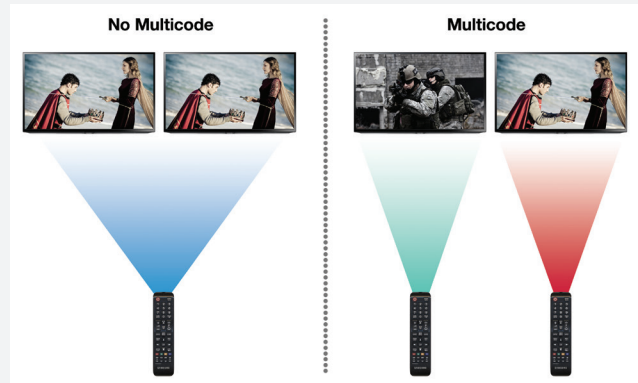
Minimize overall TCO with simplified device management and optinized resource management

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 ve 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 venefit of one less device to worry about.

THE NEW
BUSINESS
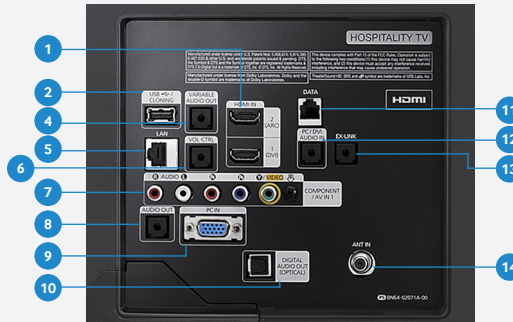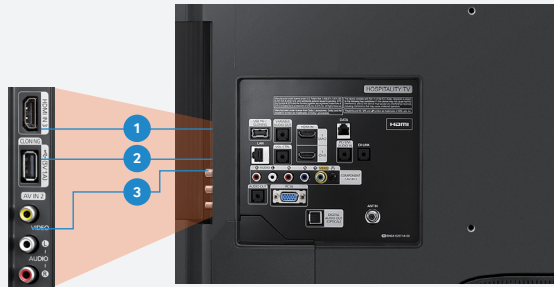EXPERIENCE

SAMSUNG

Samsung HA590 Series

HA590

40"

- HG40NA590LF

Connectors

1. HDMI
2. USB
3. COMPOSITE IN (Y/Pb/Pr)
4. VARIABLE AUDIO OUT
5. ETHERNET (LAN)
6. VOL-CTRL
7. COMPONENT (AV)
8. AUDIO OUT
9. PC IN (D-SUB)
10. DIGITAL AUDIO OUT (OPTICAL)
11. DATA
12. PC/DVI AUDIO IN
13. EX-LINK
14. ANT IN

46"

- HG46NA590LB

Connectors
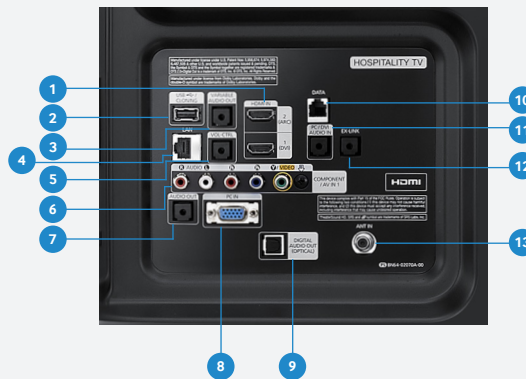
1. HDMI
2. USB
3. VARIABLE AUDIO OUT
4. ETHERNET (LAN)
5. VOL-CTRL
6. COMPONENT IN (Y/Pb/Pr)
7. AUDIO OUT
8. PC-IN (D-SUB)
9. DIGITAL AUDIO OUT (OPTICAL)
10. DATA
11. PC/DVI AUDIO IN
12. EX-LINK
13. ANT IN

THE NEW
BUSINESS
EXPERIENCE

4

SAMSUNG
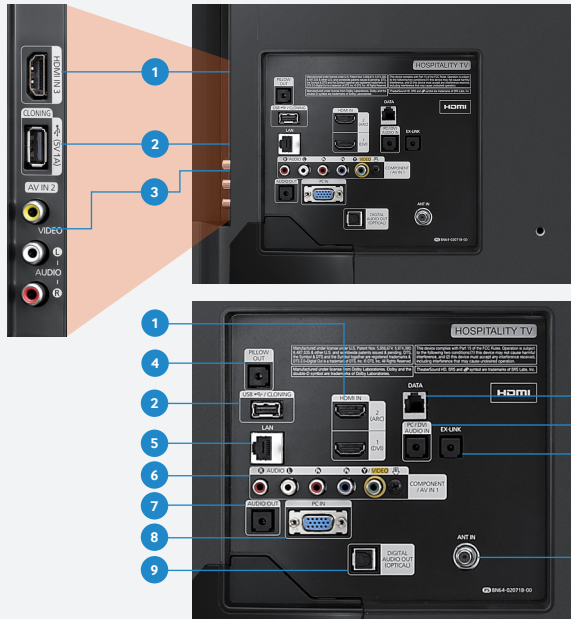
Samsung HA593 Series

HA593

40"

• HG40NA593LF

Connectors

1. HDMI
2. USB
3. COMPOSITE IN (AV)
4. PILLOW OUT
5. ETHERNET (LAN)
6. COMPONENT IN (Y/Pb/Pr)
7. AUDIO OUT
8. PC IN (D-SUB)
9. DIGITAL AUDIO OUT (OPTICAL)
10. DATA
11. PC/DVI AUDIO IN
12. EX-LINK
13. ANT IN

SAMSUNG

Samsung HA59x Series

Specifications

		40HA590	46HA590	40HA593
Video	Screen Size	40"	46"	40"
	HD/FHD	FHD		
	Resolution	1,920 x 1,080		
	Response Time	8ms		
	Viewing angle (H/V)	178 / 178		
	Backlight	LED		
	Static Contrast Ratio	5000 : 1		
	Brightness	300cd/m2		
	Picture Engine	HyperReal Engine		
	Clear Motion Rate	120		
	Wide Color Enhancer Plus	Wide Color Enhancer Plus		
	Film Mode	Yes		
Audio	Dolby	Dolby Digital Plus / Dolby Pulse		
	Surround (SRS)	SRS TheaterSound		
	dts 2.0 + Digital Out	Yes		
	Speaker Type	Down Firing + Full Range		
	Max Internal Speaker Out	10W x 2		
	Bathroom Speaker Out	4W Mono		-
Feature	Samsung SMART TV	Yes		
	Samsung 3D (2D ->3D)	No		
	Allshare (Powered by DLNA)	Yes		
	Soft AP	Yes		
	Wireless LAN Builit-in	Yes		
	Digital Noise Filter	Yes		
	ConnectShare™ (USB2.0)	Movie		
	Anynet+ (HDMI-CEC)	Yes		No
	Auto Channel Search	Yes		
	Auto Power Off (Auto TV On)	Yes		
	Auto Volume Leveller	Yes		
	Caption(Subtitle)	Yes		
	Clock & On/Off Timer	Yes		
	Game Mode	Yes		
	Picture-In-Picture	1 Tuner PIP		
	Sleep Timer	Yes		
	OSD Language	English, French, Spanish		

THE NEW
BUSINESS
EXPERIENCE

SAMSUNG

Samsung HA59x Series

Specifications

		40HA590	46HA590	40HA593
Input & Output	RF In (Terrestrial/Cable input)		1	
	Audio Out (Mini Jack)		1	
	RJ12 For External Control		1	
	RJ45		1	
	HDMI (Side/Rear)		1/2	
	USB (Side/Rear)		1/1	
	Component In(Y/Pb/Pr) (Side/Rear)		0/1	
	Composite In(AV) (Side/Rear)	1/1 (Common Use for Componety Y)	0/1 (Common Use for Componety Y)	1/1 (Common Use for Componety Y)
	Ethernet (LAN)		1	
	Headphone		No	
	Headphone_ID		No	
	Digital Audio Out(Optical)		1	
	Variable Audio Out	1		No
	VOL-CTRL	1		No
	RJP jack (Remote Jack Pack)		1	
	PC In (D-sub)		1	
	PC Audio In (Mini Jack)		1	
	DVI Audio In (Mini Jack)		1 (Common Use for PC Audio in)	
	Video Out		No	
	RS232C (AV CONTROL)		Yes	
	Pillow Speaker Jack	No		Yes
Hospitality Feature	Web Browser		Yes	
	REACH		Yes	
	SIRCH Compatibility		Yes	
	Hospitality Plug & Play (Easy Setup)		Yes	
	RJ12 / IR pass through		Yes	
	Music Mode (Input: PC/AV/Component)		Yes	
	Music Mode Backlight on/off		Yes	

SAMSUNG

Samsung HA59x Series

Specifications

		40HA590	46HA590	40HA593
Hospitality Feature	Power On Status Setting (Keycard/Master Power off)	Yes		
	Jack Pack Compatiblity	Yes		
	USB Cloning	Yes		
	Bathroom Speaker output	Yes		No
	Hotel Channel List	Yes		
	Logo Display with Time out Setting(BMP/Movie)	Yes		
	Welcome Message	Yes		
	Auto Source mode	Yes		
	Energy Saving Mode(BLU control)	Yes		
	Multi Code Remote	Yes		
	Screwed Remote Battery Cover	Yes		
	Alarm Key	Yes		
	Pro:Idiom	Yes		
	Smoovie Compatibility	Yes		
	Soundbar Compatibility	Yes		
	Samsung LYNK™ SINC Compatibility	Yes		
	H.Browser Compatibility	Yes		
	Web Browser	Yes		
	Samsung LYNK™ REACH	Yes		
	Samsung LYNK™ REACH Server Compatibility	Yes		
	Hospitality Plug & Play (Easy Setup)	Yes		
	RJ12 / IR pass through	Yes		
	Music Mode (Input: PC/AV/Component)	Yes		
	Music Mode Backlight on/off	Yes		
	Pillow Speaker Compatibility	No		Yes
	bLAN	No		
	Smart Widget Solution	Yes		
Design	Slim Type	Normal		
	Front Color	Black		
	Stand Type	Square		-
	Swivel (Left/Right)	20º / 60º / 90º		-

SAMSUNG

Samsung HA59x Series

Specifications

		40HA590	46HA590	40HA593
Dimension	Weight (Set) With Stand (Kg)	11.9	15.4	-
	Weight (Set) Without Stand (Kg)	9.0	12.5	9.0
	Dimensions (WxHxD)mm With Stand	927.6*607.0*227.6	1059.8*681.2*227.6	-
	Dimensions (WxHxD)mm Without Stand	927.6*551.0*93.0	1059.8*625.6*94.3	927.6*551.0*93.0
	Package Dimensions (WxHxD)mm	1104.0*641.0*175.	1237.0*723.0*175.0	1104.0*641.0*175.0
VESA	Dimensions (mm)	200 x 200	400 x 400	200 x 200
	Screw Size	M6	M8	M6
Accessory	Remote Control	TM1050		
	Security Screws (Stand base)	Yes		
	Batteries(for Remote Control)	Yes		
	RJ 12 Cable	Yes		
	Power Cable	Yes		
	Installation manual(Quick guide)	Yes		
	Stand Mount Kit	Yes		
System	DTV Reception	ATSC / Clear QAM		
	Analog Tuner	Yes		
Power	Power Supply	AC110-120V 60Hz		
	Power Consumption (Rated) (Watts)	89W	99W	89W
	Power Consumption (Stand-by) (Watts)	Under 0.5W		Under 1.0W
	Power Consumption (Typical)	45W	52W	45W
	Multi Voltage	AC110-220V		
Eco	Eco Mark	Energy Star 5.3		
	Eco Sensor	Yes		
Energy Saving Mode Power Consumption (Watts)	High	25W	28W	25W
	Medium	33W	36W	33W
	Low	41W	44W	41W
Security	Kensington Lock	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

For more information about Samsung HA59x Series displays, visit www.samsung.com/business or www.samsung.com/displaysolutions

Samsung Electronics Co., Ltd.

416, Maetan 3-dong,

Yeongtong-gu

Suwon-si, Gyeonggi-do 443-772,

Korea

www.samsung.com

2014-04

THE NEW
BUSINESS
EXPERIENCE

SAMSUNG

Note

THE NEW
BUSINESS
EXPERIENCE

SAMSUNG