

Samsung SMART Hospitality Displays

HD590

The unrivalled premium SMART hospitality display for premier hospitality environments



Create an enhanced in-room entertainment experience

Premium hotels want to provide the superior quality in-room experience that sophisticated travelers expect, with chic TVs that offer a range of features and content options. In addition to ready access to various personal, digital and On Demand content, today's guests want an interface that is simple to use. Research shows that guests typically carry more than two mobile or smart devices, which signifies that guests are also bringing their own entertainment options to the hotel. This is why properties need new strategies to embrace and support this smart mobile trend.

Samsung SMART Hospitality Displays are integrated, high-performing TVs that include many desirable features and an interface designed for ease of use. The displays create a stylish room ambiance and provide a superior viewing experience in a streamlined design. They deliver myriad entertainment options for guests through smart connectivity features. To enhance the hotel's brand, staff members can customize welcome menus 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 chic, slim displays

Samsung SMART Hospitality Displays are designed especially for 4-star, high-end hotels with an ultra-slim and slim profile that creates an elevated level of sophistication. The displays feature Samsung's advanced LED technology that yields an extremely thin form. Especially, HD790 Series features ultra-slim profile with edge LED technology. The sleek profile enables the displays to fit into tight hotel rooms, saving space for in-room devices, easily embed into walls or furniture and further elevate the in-room decor. The displays also feature a narrow bezel. Without a cumbersome frame, the TVs virtually blend into the background, allowing guests to focus on the images projected rather than the equipment delivering them.



Figure 1. Samsung SMART hospitality displays upscale hotel suite atmosphere

Deliver interactivity and rich content to guests with easily managed and customizable solutions

Combine rich content, interactivity and manageability

Leverage a bi-directional and interactive solution for IP hotel infrastructures: LYNK™ SINC

LYNK™ SINC provides hotel guests with a luxurious and entertaining stay built around patrons' schedules or purpose of visit, while ensuring interactivity through an IP-based solution. The solution offers a new grid-type template for delivery of richer content to guests. In addition, LYNK SINC serves all provided content through coaxial cables and IP networks, along with two-way interaction through the solution's linkage to a PMS server. Easily customizable by hotel managers, the solution delivers centralized management of hundreds of hotel displays with controls ranging from TV status monitoring and controlling to guest grouping for differentiated content delivery.

LYNK SINC's new function, IPTV Standalone Solution, is available without SINC content through a free license. Through this function, hotel personnel can control content by editing the IPTV channel list and cloning the channel list to a USB device and copying it to individual TVs. This way, managers can efficiently offer guests IP TV without having to purchase any additional solution.



Figure 2. LYNK SINC offers interactive solution for IP hotel infrastructure

The guest experience is enhanced with access to services and information, such as local event and tourist information, and available discounts. Useful hotel information such as room service or spa menus can be accessed through customizable widgets, as well as free, automatically updated weather information so guests can plan outdoor activities. LYNK SINC enables hotels to provide up-to-date flight information so guests can coordinate checkout times with flight departures and supports personalized, real-time guest messaging. All of these professional capabilities are provided simply over an IP network without the need for STBs, minimizing maintenance complexity and eliminating the cumbersome presence of STBs in the property's hotel rooms.

Easily manage centrally and remotely with LYNK™ REACH, a flexible and low-cost coaxial infrastructure Hospitality TV solution

Designed exclusively for hospitality businesses to help them manage content and control displays over current RF cables, LYNK™ REACH delivers remote, central and cost-efficient management of in-room displays. LYNK REACH is specialized software provided with LYNK REACH Server for hospitality environments. The software solution provides a simplified UI and editing tool that organizes and displays content, such as hotel information, images and logos, using existing infrastructures. LYNK REACH offers hoteliers advanced advertising functionalities and Channel Bank Management for Pay TV Services. In addition, LYNK REACH improves usability by enabling hotel managers to monitor room status, recent deployment and activity and with a simple, easy and intuitive user interface (UI) through Project Creator.



Figure 3. LYNK REACH offers a flexible and low-cost coaxial infrastructure Hospitality TV solution

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.

Digital Living Network Alliance® (DLNA)

Digital Living Network Alliance (DLNA) technology 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.



Figure 6. Wireless connectivity enables wide variety of content sharing

Deliver quicker and higher TV performance with Quad Core and Instant On

With a Quad Core processor, guests can experience smoother navigation and faster access to smart features for enhanced TV viewing and operation. With Instant On, the TV boots in only 2 seconds to reduce waiting time.



Figure 7. Quad Core processor enables smoother and faster TV performance

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. To help ensure reliability of the system, coverage extends to the enlargement of head-end equipment for cable operators.

Optimize device and resource management to minimize TCO

Samsung SMART Hospitality Displays provide centralized management from a control room. The displays' convenient and efficient management features reduce staff maintenance visits. Because the displays are connected to the hotel's network infrastructure, management can monitor each in-room TV and instantaneously deploy content grouping policies and EPG from a control room. The simplified configuration with only the display delivers the convenience of a set-top box (STB) configuration without the complexity, cost or hassle.

Feature and Benefit

Model	Feature and Benefit
HD790	<ul style="list-style-type: none"> - Ultra-slim design for enhancing the premium hotel environment - Full-HD resolution for more enjoyable viewing - Management solutions (REACH, SINC, H.Browser) for efficient and simplified management
HD690	<ul style="list-style-type: none"> - Slim design for an enhanced guest room appearance - Full-HD resolution for a better entertainment experience - Bluetooth Music Player for simplified and convenient personal media enjoyment - Management solutions (REACH, SINC, H.Browser) for straightforward and efficient control
HD590	<ul style="list-style-type: none"> - Full-HD resolution for enhanced TV viewing - Management solutions (REACH, SINC, H.Browser) for economic and simplified content and display management

HD590



- t Full-HD resolution for enhanced TV viewing
- t Management solutions (REACH, SINC, H.Browser) for economic and simplified content and display management

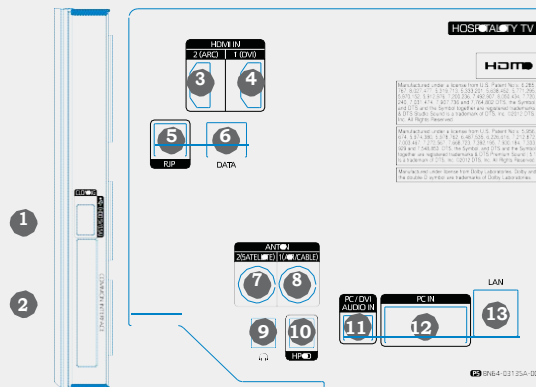
Basic Feature				Hospitality Solution				Convenience Feature		Security		Clock Option	
Screen Size	Resolution	Design	Processor	Home Menu	Lynk™ Reach	Lynk™ SINC	H.Browser	Bluetooth Player	Embedded Wi-Fi	Software DRM	Security Mode	External Clock Compatibility	Software Clock
32", 40"	FHD	Regular	Quad Core	New Home Menu	○	○	○		○	○			○

32"



t HG32ED590HB

Connectors



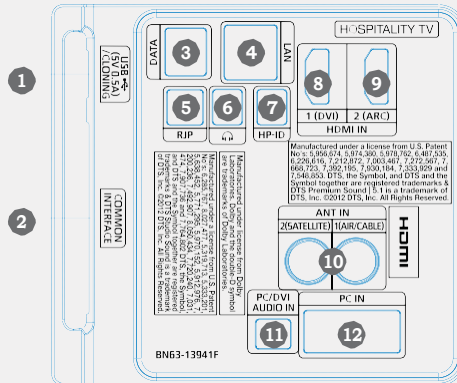
1. USB/CLONING
2. COMMONINTERFACE
3. HDMIIN 2 (ARC)
4. HDMIIN 1 (DVI)
5. RJP(Remote Jackpack)
6. DATA
7. ANTENNA 2 (SATELLITE)
8. ANTENNA 1 (AIR/CABLE)
9. HEADPHONE
10. HEADPHONE-ID
11. PC/DVI AUDIO IN
12. PC IN
13. ETHERNET(LAN)

40"



t HG40ED590BB

Connectors



1. USB
2. COMMONINTERFACE
3. DATA
4. ETHERNET(LAN)
5. RJP(Remote Jackpack)
6. HEADPHONE
7. HEADPHONE-ID
8. HDMIIN 1
9. HDMIIN 2
10. ANTENNAIN
(SATELLITE, AIR/CABLE)
11. PC/DVIAUDIOIN
12. PCIN

Specifications

		32HD590 HG32ED590HB	40HD590 HG40ED590BB
Display	Backlight	LED	LED
	Inch	32	40
	HD/FHD/UHD	FHD	FHD
	Resolution	1920 x 1080	1920 x 1080
Video	Picture Engine	HyperReal	HyperReal
	Micro Dimming	N/A	N/A
	Wide Color Enhancer (Plus)	Yes	Yes
	Auto Motion Plus	N/A	N/A
	Film Mode	Yes	Yes
Audio	Dolby Digital Plus	Yes	Yes
	Virtual Surround	DTS Studio Sound	DTS Studio Sound
	DTS Codec	DTS Premiumsound5.1	DTS Premiumsound5.1
	3D Sound	N/A	N/A
	Sound Output (RMS)	20W(L:10W, R:10W)	20W(L:10W, R:10W)
	Speaker Type	2CH(Down Firing + Base Reflex)	2CH(Down Firing + Base Reflex)
	Woofer	N/A	N/A
Feature	Smart Hub	Yes	Yes
	Apps	Yes	Yes
	Web Browser	Yes	Yes
	Mobile to TV - Mirroring, DLNA	Yes	Yes
	Samsung Smart View	Yes	Yes
	Voice Control	N/A	N/A
	Samsung 3D	N/A	N/A
	3D Converter	N/A	N/A
	Digital Clean View	Yes	Yes
	Auto Channel Search	Yes	Yes
	Auto Power Off	Yes	Yes
	BD Wise Plus	N/A	N/A
	Caption (Subtitle)	Yes	Yes
	Channel List USB-Clone	N/A	N/A
	ConnectShare™ (HDD)	Yes	Yes
	ConnectShare™ (USB 2.0)	Yes	Yes
	Sports Mode	Basic	Basic
	EPG	Yes	Yes
	Game Mode	Yes	Yes
	OSD Language	27 European Languages	27 European Languages
	Picture-In-Picture	Yes	Yes
BT HID Built-in	No	No	
USB HID Support	Yes	Yes	
Teletext (TTX)	Yes	Yes	

Specifications

	32HD590 HG32ED590HB	40HD590 HG40ED590BB
Samsung LYNK™SINC Compatibility	Yes	Yes
H.Browser Compatibility	Yes	Yes
Samsung LYNK™ REACH	Yes	Yes
Samsung LYNK™REACH Server Compatibility	Yes	Yes
Hospitality Home Menu	Yes	Yes
Bluetooth Music Player (Mobile > TV)	No	No
Hospitality Plug&Play (Easy Set-up)	Yes	Yes
Auto Source Mode	Yes	Yes
Power On Mode	Yes	Yes
Hotel Channel List	Yes	Yes
Channel Setup On/Off	Yes	Yes
Mixed Channel List (ATSC, DVB-T/T2/C/S2, Analog)	Yes	Yes
My Channel	Yes	Yes
Energy Saving Mode(BLU control)	Yes	Yes
Logo Display with Time Out Setting (BMP/Movie)	Yes	Yes
Welcome Message	Yes	Yes
RJ12 / IR Pass Through	Yes	Yes
External Clock Compatibility	No	No
Clock Back Up Supply	Yes	Yes
External Clock Dimming Control	No	No
Software Clock	Yes	Yes
Multi Code Remote control	Yes	Yes
Screwed Battery Cover	Yes	Yes
Sound Bar Compatibility	Yes	Yes
Music Mode (Input: PC/AV/Component/HDMI)	Yes	Yes
Music Mode Backlight on/off	Yes	Yes
TTX Clock Update (Analogue)	Yes	Yes
USB Cloning	Yes	Yes
Smovie Compatibility	Yes	Yes
Soft AP	Yes	Yes
On/Off Timer (Schedule)	Yes	Yes
Wake-up Timer (Alarm)	Yes	Yes
Samsung LYNK™ DRM	Yes	Yes
Pro:Idiom	No	No
bLAN	No	No
Security Mode	No	No
S/W EPG (Solution EPG)	Yes	Yes
IEC 60601-1	No	No
Standby LED Color	Red	Red
Wake on LAN (WOL)	Yes	Yes

Hospitality Feature

Specifications

		32HD590 HG32ED590HB	40HD590 HG40ED590BB
Input & Output	HDMI (Side/Rear)	0/2	0/2
	USB (Side/Rear)	0/1	1/0
	Component In (Y/Pb/Pr) (Side/Rear)	No	No
	Composite In (AV) (Side/Rear)	No	No
	Ethernet (LAN) (Side/Rear)	0/1	0/1
	Headphone (Side/Rear)	0/1	0/1
	Audio Out (Mini Jack / LR) (Side/Rear)	No	No
	Digital Audio Out (Optical) (Side/Rear)	No	No
	PC In (D-sub) (Side./Rear)	0/1	0/1
	PC/DVI Audio In (Mini Jack) (Side./Rear)	0/1	0/1
	RF In (Terrestrial/Cable input) (Side/Rear)	0/2	0/2
	RS232C	Yes(Common Use for RJ12)	Yes(Common Use for RJ12)
	CI Slot (Side/Rear)	1/0	1/0
	Scart (Side/Rear)	No	No
	Pillow Speaker Jack (Side/Rear)	No	No
	Variable Audio Out (Side/Rear)	No	No
	Variable Audio Out Volume Control (Side/Rear)	No	No
	Video Out (Side/Rear)	No	No
	RJ12 (Side/Rear)	0/1	0/1
	RJP (Remote Jackpack) (Side/Rear)	0/1	0/1
	Headphone ID (Side/Rear)	0/1	0/1
	Door-Eye Control (Side/Rear)	No	No
	Door-Eye Video In (Side/Rear)	No	No
System	DTV Tuner	DVB-T2/C/S2	DVB-T2/C/S2
	Analog Tuner	Yes	Yes
Design	Front Color	Black	Black
	Stand Type	Square	Square
	Swivel (Left/Right)	N/A	N/A
Dimension	Set Dimension with Stand (WxHxD) (mm)	738.3 * 498.2 * 191.7	905.2 * 562.3 * 196.4
	Set Dimension without Stand - Wall Mount Side (WxHxD) (mm)	738.3 * 444.9 * 93.2	905.2 * 525.4 * 91.1
	Set Dimension without Stand - Speaker Side (WxHxD) (mm)	738.3 * 444.9 * 93.2	905.2 * 525.4 * 91.1
Weight	Set Weight with Stand (kg)	5.9	7.3
	Set Weight without Stand (kg)	5.4	6.4
	Package Weight (kg)	7.4	9.6
Accessory	Remote Controller Model	TM1240	TM1240
	Battery (for Remote Control)	Yes	Yes
	Vesa Wall Mount Support	Yes	Yes
	Power Cable	Yes	Yes
	Quick Install Guide	Yes	Yes
	Data Cable	Yes	Yes
	Stand Mount Kit	No	No
	Security Screws	No	No