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Advanced Technology of

SAMSUNG Hospitality Display

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Samsung HB460 Series

Affordable and centrally manageable hospitality displays with essential function

Highlights

- Provide a premium viewing experience, stylish LED displays for hospitality guests
- Streamline content management with Samsung LYNK™ Remote Enhanced Active Control for Hospitality (REACH) user interface (UI) and editing tool
- Cut costs and enhance security with Samsung LYNK™ Digital Rights Management (DRM) technology
- Reduce operating expenses with energy-saving features
- Reinforce controllability over in-room displays with Security Mode

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 in-room display with essential functionality, superior performance and a modern design can be a challenge.

Samsung HB460 Series high-performing displays include many features hoteliers need, at a reasonable cost. The modern, streamlined design of these displays contributes to a pleasant room ambiance and superior viewing experience. 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.

Create an enhanced in-room entertainment environment

High-quality displays in guest rooms can contribute to an enjoyable hotel stay. With the modern design of Samsung HB460 Series displays, hoteliers can elevate guests' viewing experience. Light and unobtrusive, the displays feature a narrow 17.5 mm (0.69 in.) bezel, providing more viewing area. Such details bring hotel guests a richer viewing experience and improve the hotel brand.

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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 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 Electric Program Guides (EPGs) using a coaxial infrastructure.

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.

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. It includes an exclusive ticker function that enables hotels to display important marketing and advertising messages. These messages, along with weather and tourism information can be effectively delivered and updated, with supported interval settings.
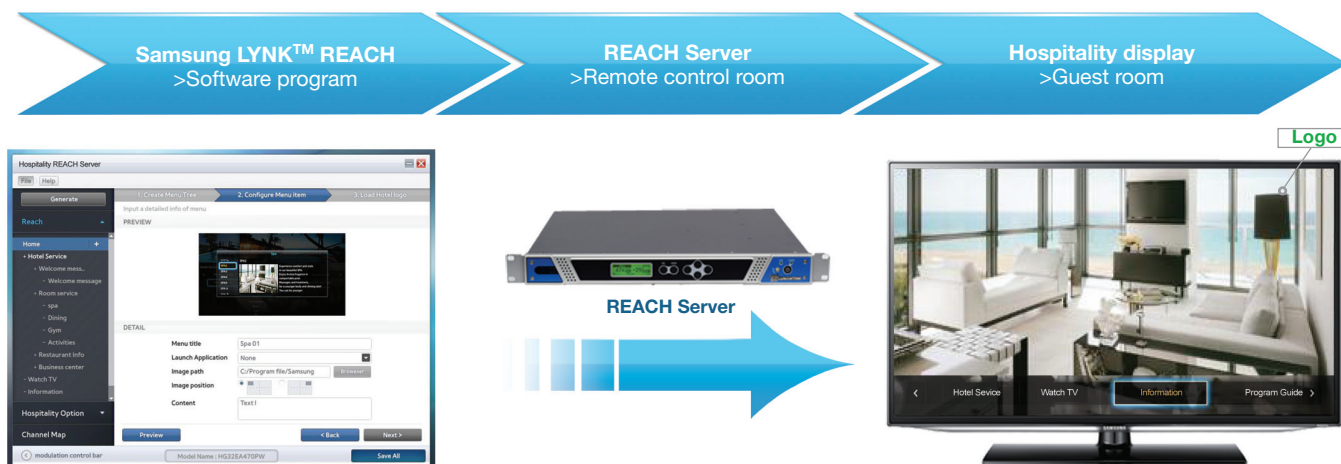

| Samsung LYNK™ REACH | REACH Server | Hospitality display |
| >Software program | >Remote control room | >Guest room |

REACH Server

Logo

Figure 1. Property can easily customize and managing interface and contents with Samsung LYNK™ REACH and REACH Server

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Reduce costs and improve security with robust DRM technology

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 and 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 a support video on demand (VoD) system. To help ensure reliability, the technology also supports additions to cable head-end equipment.

Reinforce controllability over in-room displays with Security Mode*

Samsung HB460 Series provides the unique and strong hardware controllability with Security Mode. With this feature, managers can disable the some critical functions of display such as Teletext (TTX), HDMI port, USB port and so on. By controlling H/W function with Security Mode, managers can easily prevent changing display settings, watching non-compliant content with USB or transmitting unwanted Teletext with signal. For the customer who requires high content management level, this Security Mode can help their room in complete control.

*Security Mode is only available for Europe models.

Dedicate the remote controller for up to 10 different groups of displays

Samsung Hospitality Displays provides the Multi-code remote controller which can be dedicated to a specific group of displays. Manager can group up to 10 groups and dedicate the remote controller to one specific group. Once the remote controller is dedicated one group, it will affects only to the displays of the same group. In the place where lots of displays shows different channel such as gym, this feature minimize the entanglement of the remote controller signal and provides comfortable and personalized service to the guest.

Improve the bottom line with energy-efficient features

Samsung HB460 Series offers many features to help businesses save energy and reduce costs. The LED displays are cost-effective because they use less energy, emit less carbon dioxide (CO_2) and require less maintenance than conventional hospitality displays. Additionally, 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.
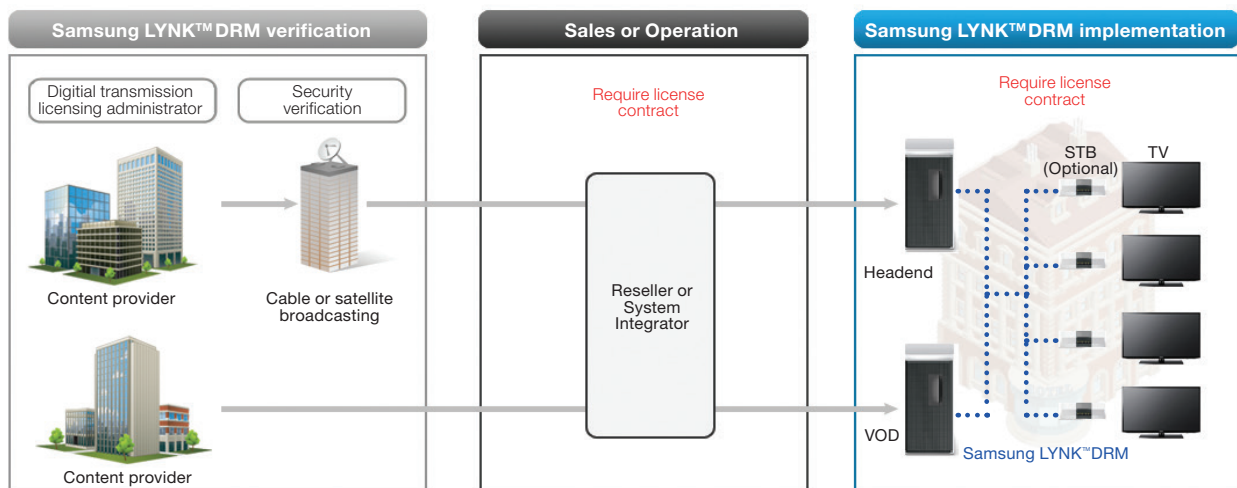

Figure 2. Samsung LYNK™ DRM provides powerful security functions with more flexibility.

Samsung HB460 Series

HB460

28"

• HG28EB460BW

Connectors

1. COMMON INTERFACE
2. HDMI IN (DVI)
3. USB
4. ANT IN (AIR/CABLE)
5. HEADPHONE OUT
6. HEADPHONE ID
7. SERVICE
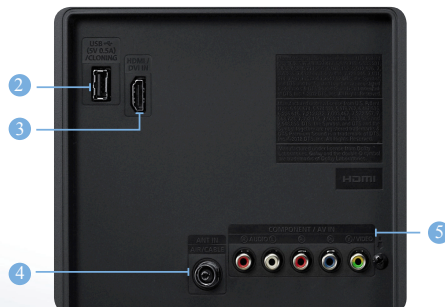8. COMPONENT / AV IN
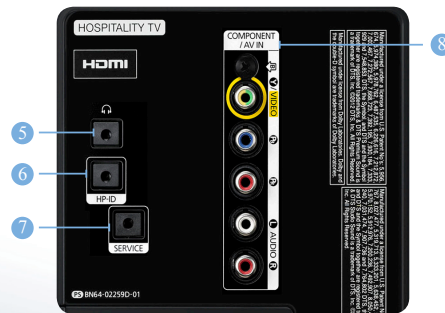
32" / 39"

• HG32EB460GW
• HG39EB460HW

Connectors

1. COMMON INTERFACE
2. USB
3. HDMI / DVI IN
4. ANT IN(AIR/CABLE)
5. COMPONENT / AV IN

DATA SHEET

Specifications

Basic Info	Model Name	EU/CIS	HB460	
			HG28EB460BW	HG32EB460GW	HG39EB460HW

Display	Backlight	LED		
	Inch	28	32	39
	Resolution	1366 x 768	1366 x 768	1920 x 1080
	HD/FHD	HD	HD	FHD
	Ultra Clear Panel	No		
Video	Picture Engine	HyperReal Engine		
	Static Contrast Ratio	3000:1	1200:1	4500:1
	Response Time	6.5ms	8ms	8ms
	Viewing angle (H/V)	178/178	178/178	176/176
	Brightness	300 cd/m²	280 cd/m²	300 cd/m²
	Micro Dimming	No		
	Wide Color Enhancer Plus	Wide Color Enhancer Plus		
	Auto Motion Plus 120/240Hz	No		
	Film Mode	Yes		
Audio	Dolby	Dolby Digital Plus / Dolby Pulse		
	SRS / DNSe+	SRS TheaterSound		
	dts 2.0 + Digital Out	DTS 2.0 + Digital Out		
	3D Sound	No		
	Speaker Type	Down Firing + Full Range		
	Sound Output (RMS)	5W x 2	5W x 2	10W x 2
	Variable Speaker Output	-	-	-
Feature	Smart Hub	No		
	Apps	No		
	Photos, Clip & Music	No		
	Samsung SMART View	No		
	Web Browser	No		
	Voice Recognition	No		
	Samsung TV Apps supported	No		
	Samsung 3D	No		
	3D Converter	No		
	Smart Phone Remote Support	No		
	AllShare(Powered by DLNA)	No		
	AllShare Cast (Screen Mirroring)	No		
	ConnectShare™ (USB2.0)	Movie		
	Wireless LAN Built-in	No		
	Soft AP	No		
	BT HID Built-in	No		
	USB HID Support	No		
	Sound Share	No		
	Hbb TV	No		
	OSD Language	29 European Languages		
	Digital Noise Filter	Yes		
	HDMI 1.4 3D Auto Setting	No		
	HDMI 1.4 A / Return Ch. Support (ARC)	No		
	Anynet+ (HDMI-CEC)	Yes		

Specifications

EU/CIS		HB460		
Basic Info	Model Name	HG28EB460BW	HG32EB460GW	HG39EB460HW
Feature	BD Wise Plus	No		
	Auto Channel Search	Yes		
	Auto Power Off	Yes		
	Auto Volume Leveler	Yes		
	Caption (Subtitle)	Yes		
	Wake-up Timer	Yes		
	Game Mode	Yes		
	Picture-In-Picture	1 Tuner PIP		
	Sleep Timer	Yes		
Hospitality Feature	Hospitality Plug&Play(Easy Set-up)	Yes		
	Music Mode (Imput : PC/AV/Component)	Yes		
	Music Mode BackLight on/off	Yes		
	Audio Loop in (Headphone extension)	No		
	RJ 12 / IR Pass Through	No		
	External Clock Compatibility	No		
	External Clock Dimming Control	No		
	External Clock Backup supply	No		
	Power on Status Setting (Keycard/Master power off)	Yes		
	Jack Pack Compatiblity (HD media hub)	No		
	USB Cloning	Yes		
	Bathroom Speaker Output	No		
	Hotel Channel List	Yes		
	Hotel Logo Display with Time out setting (BMP)	Yes		
	Hotel Logo Display (Movie file)	Yes		
	Welcome message	Yes		
	Auto Source mode	Yes		
	Energy saving mode(BLU control)	Yes		
	Multi code remote control	Yes		
	Screwed Remote battery cover	Yes		
	Alarm Key	Yes		
	Mixed channel list (DVB-T/T2/C/S2, Analog)	Yes		
	Samsung LYNK™ REACH	Yes		
	Samsung LYNK™ SINC Compatibility	No		
	H-Browser Compatibility	No		
	My channel	Yes		
	Smoovie	Yes		
	Samsung LYNK™ REACH Server Compatibility	Yes		
	Sound bar compatibility	No		
	Samsung LYNK™ DRM	Yes		
	S/W Clock	No		

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Specifications

EU/CIS		HB460		
Basic Info	Model Name	HG28EB460BW	HG32EB460GW	HG39EB460HW
Input & Output	HDMI (Side/Rear)	1		
	USB (Side/Rear)	1		
	Component In (Y/Pb/Pr) (Side/Rear)	1		
	Composite In (AV) (Side/Rear)	1 (Common Use for Component Y)		
	RJ45(LAN) (Side/Rear)	No		
	Headphone (Side/Rear)	1	No	No
	Digital Audio Out (Optical) (Side/Rear)	No		
	Audio Out (Mini Jack) (Side/Rear)	No		
	PC In (D-sub) (Side/Rear)	No		
	PC Audio In (Mini Jack) (Side/Rear)	No		
	DVI Audio In (Mini Jack) (Side/Rear)	No		
	RF In (Terrestrial/Cable input) (Side/Rear)	1		
	RF In (Satellite input) (Side/Rear)	No		
	RS232C (AV CONTROL) (Side/Rear)	No		
	CI Slot (Side/Rear)	1		
	Scart (Side/Rear)	No		
	Variable Audio Out	No		
	VOL-CTRL	No		
	RJ12	No		
	Headphone ID	1	No	No
	RJP(For Remote Jackpack)	No		
System	DTV Tuner	DVB-T/C		
	Analog Tuner	Yes		
	CI/ CI+	CI+		
	MHP / MHEG (version)/ OHTV / GINGA	MHEG 5 (UK, Ireland)		
Design	Front Color	Black		
	Stand Type	Round	Square	Square
Dimension (WxHxD)	Set Size with Stand (mm)	645.0 * 435.6 * 252.6	738.4 x 497.7 x 191.7	895.9 * 589.3 * 227
	Set Size without Stand (mm)	645.0 * 384.9 * 49.5	738.4 x 444.0 x 93.2	895.9 * 532.5 * 93.2
	Set Weight with Stand (kg)	4.6	6.0	9.8
	Set Weight without Stand (kg)	4.2	5.4	7.8
Vesa	Dimensions (mm)	100*100	200*200	200*200
	Screw Size	M4	M6	M6
Power	Power Supply (V)	AC220-240V 50/60Hz		
	Power Consumption (Rated) (Watts)	51W	54W	89W
	Power Consumption (Stand-by) (Watts)	Under 0.3W	Under 0.3W	Under 0.3W
	Power Consumption (Typical) (Watts)	24W	27W	40W
	Yearly Power consumption (EU standard) (KWh)	35KWh	39KWh	58KWh
Eco	Energy Efficiency Class	A+		
Accessory	Remote Controller Model	TM1240		
	Battery (for Remote Control)	Yes		
	Mini Wall Mount Support	No	Yes	Yes
	Vesa Wall Mount Support	Yes		
	Power Cable	Yes		
	Quick Install Guide	Yes		
	Angle Adapter (for Side RF Tuner)	1	No	No

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About Samsung Electronics Co., Ltd.

Samsung Electronics Co., Ltd. is a global leader in semi-conductor, telecommunication, digital media and digital convergence technologies with 2011 consolidated sales of US$143.1 billion. Employing approximately 227,000 people in 197 offices across 75 countries, the company operates three separate organizations to coordinate its 10 indepen- dent business units: Consumer Electronics (CE), compris- ing Visual Display, Home Appliances, Printing Solution, and Health and Medical Equipment; Information Technology and Mobile Communications (IM), including Mobile Communications, Network, and Digital Imaging; and Device Solutions (DS), consisting of Memory, System LSI, and LED. Recognized for its industry-leading performance across a range of economic, environmental and social cri-teria, Samsung Electronics was named the world's most sustainable technology company in the 2011 Dow Jones Sustainability Index. For more information,
please visit www.samsung.com

1. This feature is available only in the European HB765 model.
2. This feature is not available in the United States, China or Hong Kong.

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For more information

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