

Samsung HC470 Series

Specialized yet economic hospitality
displays for hotels



Highlights

- Provide an enjoyable viewing experience with stylish LED displays for hospitality guests
- Streamline content management with Samsung LYNK™ REACH 3.0 solution
- Cut costs and enhance security with Samsung's software-based LYNK Digital Rights Management (DRM) technology
- Elevate the guest experience with a convenient Home menu
- Reduce operating expenses with simplified device management and optimized resource management
- Reinforce management of in-room displays with Security Mode
- Reduce in-room remote controller for guest's convenience

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 HC470 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 HC470 Series displays, hoteliers can elevate guests' viewing experience. Light and unobtrusive, the displays feature a narrow bezel. Providing more viewing area. Such details bring hotel guests a richer viewing experience and improve the hotel brand.



Figure 1. HC470 Series display contributes to a pleasant room ambiance and superior viewing experience with the modern, streamlined design

Offer an enriching hotel guest experience with a wide range of entertainment options

Simplify information updates with intuitive tools

LYNK REACH 3.0 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 Electronic Program Guides (EPGs) using existing infrastructure. Editable templates are provided for creating a fully customizable UI. Also provided is a new template that supports advertisements with live channels for the hotel lobby and restaurants. The ability to include advertisements on the displays during broadcasts provides an additional revenue stream for hotels.

Weather and flight information can also be made available for the convenience of guests using the REACH UI. Information updates are provided automatically by utilizing various third-party service providers.

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.



Figure 2. The REACH server allows hoteliers to manage several hundred hospitality displays remotely

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 and the content can be provided from the Internet through the REACH server.

To further customize in-room content for guests, REACH offers additional conveniences for the hotel manager, such as creating content for specific groups of guests. Various guests can be assigned 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.

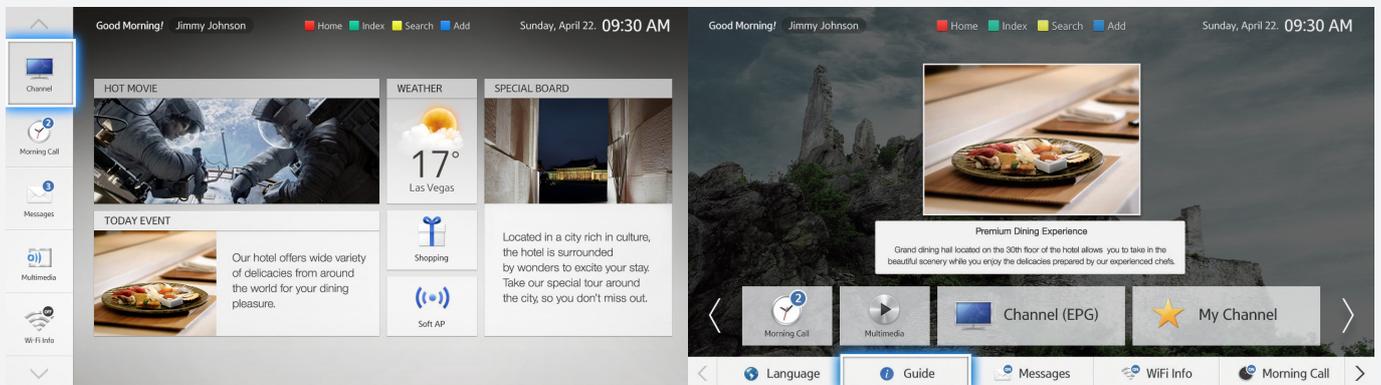


Figure 3. The REACH UI can be customized to provide hotels with a look uniquely their own

LYNK DRM delivers robust security functions with greater flexibility

Provide convenience even in a no-network environment

HC470 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. Plus, the home screen 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.

Enhance content protection with a pure software DRM solution

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

Reinforce management over in-room displays with Security Mode

Samsung HC470 Series displays provide the unique and strong

hardware control with Security Mode. With this feature, managers can disable Teletext (TTX), the HDMI® port and the USB port on the displays. By controlling these hardware functions using the Security Mode, managers can prevent guests from viewing non-compliant content or transmitting unwanted TTX on the hotel property. For the customer who requires a high content management level, this Security Mode can help maintain complete in-room control.

Reduce in-room remote controller for guest's convenience

When HC470 Series displays are used with third-party solutions that require a proprietary set-top box (STB), a single remote controller can be used to control both the HC470 displays and the third-party STB. The openness of HC470 Series displays to support third-party STB-based solutions expands the possibilities of a hotel's in-room entertainment environment. Having just a single remote controller reduces confusion and increases convenience for guests when using the hotel's integrated in-room solution.

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.

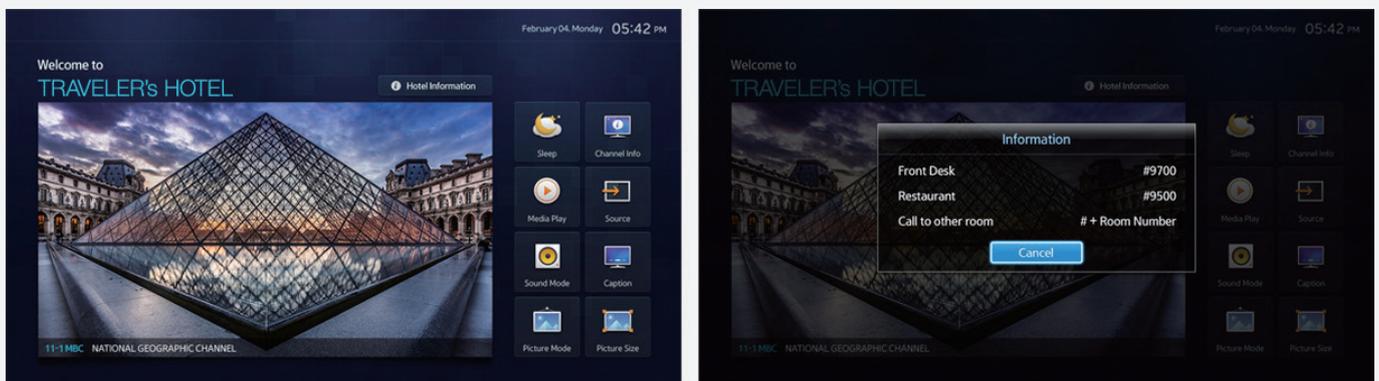


Figure 4. Guests can access the welcome message and hotel information easily through the Hospitality Home Menu

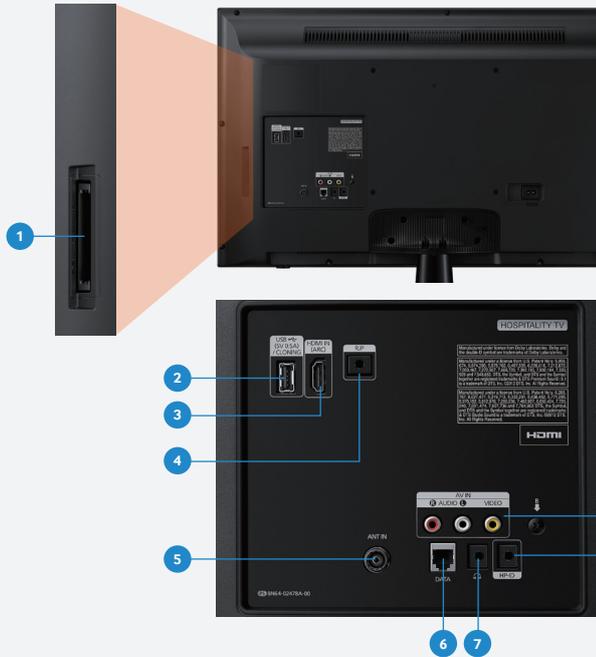
HC470

22"



- HG22EC470CW

Connectors



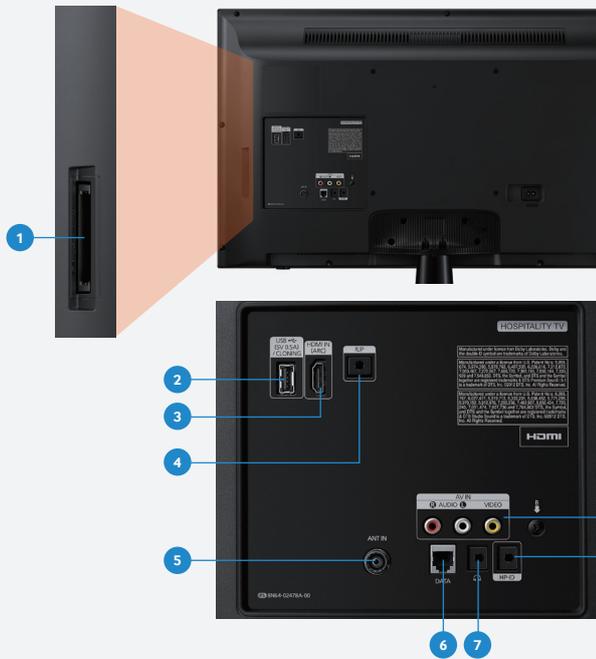
1. COMMON INTERFACE
2. USB
3. 3. HDMI IN (DVI)
4. RJP
5. ANT IN (AIR/CABLE)
6. DATA
7. HEADPHONE OUT
8. COMPONENT / AV IN
9. HEADPHONE ID

28"



- HG28EC470AW

Connectors



1. COMMON INTERFACE
2. USB
3. 3. HDMI IN (DVI)
4. RJP
5. ANT IN (AIR/CABLE)
6. DATA
7. HEADPHONE OUT
8. COMPONENT / AV IN
9. HEADPHONE ID

Samsung HC470 Series

HC470

32" / 39"



- HG32EC470GW
- HG39EC470HW

Connectors



1. COMMON INTERFACE
2. USB
3. HDMI IN (DVI)
4. RJP
5. ANT IN (AIR/CABLE)
6. DATA
7. HEADPHONE OUT
8. COMPONENT / AV IN
9. HEADPHONE ID

Samsung HC470 Series

Specifications

		22HC470	28HC470	32HC470	39HC470
Display	Backlight	LED			
	Inch	22	28	32	39
	HD/FHD	FHD	HD		FHD
	Resolution	1,920 x 1,080	1,366 x 768		1,920 x 1,080
Video	Picture Engine	HyperReal Engine			
	Static Contrast Ratio	1,000:1	3,000:1	1,200:1	4,500:1
	Response Time	5ms	6.5ms	8ms	8ms
	Viewing angle (Horizontal/ Vertical)	170 / 160	178 / 178		176 / 176
	Brightness	250 cd/m ²	250 cd/m ²	280 cd/m ²	300 cd/m ²
	Micro Dimming	N/A			
	Wide Color Enhancer Plus	Yes			
	Auto Motion Plus	N/A			
	Film Mode	Yes			
	Audio	Dolby	Dolby Digital Plus / Dolby Pulse		
DTS Studio Sound / DNSe+		DTS Studio Sound			
DTS Premium Sound / DTS Premium Sound 5.1		DTS Premium Sound 5.1			
3D Sound		N/A			
Auto Volume Leveler		Yes			
Speaker Type		Down Firing + Full Range			
Sound Output (RMS)		3W x 2	5W x 2		10W x 2
Woofer		N/A			
Variable Speaker Output		N/A			
Feature		Smart Hub	N/A		
	Apps	N/A			
	Web Browser	N/A			
	Samsung Smart View	N/A			
	Voice Control	N/A			
	Samsung 3D	N/A			
	3D Converter	N/A			
	Wireless LAN Built-in	No			
	AllShare - Contents Sharing	N/A			
	AllShare - Screen Mirroring	N/A			
	ConnectShare™ (USB 2.0)	Movie			
	Wake On LAN	N/A			
	Soft AP	No			
	BT HID Built-in	N/A			
	USB HID Support	N/A			
TV SoundConnect	N/A				
OSD Language	27 European Languages				
Digital Clean View	Yes				

Samsung HC470 Series

Specifications

		22HC470	28HC470	32HC470	39HC470
Feature	HDMI 1.4 3D Auto Setting				N/A
	HDMI 1.4 A / Return Ch. Support (ARC)				Yes
	Anynet+ (HDMI-CEC)				Yes
	BD Wise Plus				N/A
	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
	Hbb TV				No
	Hospitality Feature	Hospitality Home Menu			
Samsung LYNK REACH					Yes
Samsung LYNK REACH Server Compatibility					Yes
Samsung LYNK SINC Compatibility					No
H.Browser Compatibility					No
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
Auto Source Mode					Yes
Energy Saving Mode(BLU control)				Yes	

Samsung HC470 Series

Specifications

		22HC470	28HC470	32HC470	39HC470
Hospitality Feature	External Clock Compatibility	No	Yes		No
	Clock Back Up Supply			Yes	
	External Clock Dimming Control	No	Yes		No
	Software Clock			Yes	
	My Channel			Yes	
	Multi Code Remote Control			Yes	
	Screwed Remote Battery Cover			Yes	
	Security Mode			Yes	
	Smoovie Compatibility			Yes	
	Sound bar compatibility			Yes	
	Samsung LYNK DRM			Yes	
	Input & Output	HDMI (Side/Rear)	0/1	1/0	
USB (Side/Rear)				1/0	
Component In (Y/Pb/Pr) (Side/Rear)				No	
Composite In (AV) (Side/Rear)				0/1	
Ethernet (LAN) (Side/Rear)				N/A	
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)				No	
PC/DVI Audio In (Mini Jack) (Side/Rear)				No	
RF In (Terrestrial/Cable input) (Side/Rear)		0/1	1/0		0/1
RF In (Satellite input) (Side/Rear)				No	
RS232C				Yes (Common Use for RJ12)	
CI Slot (Side/Rear)				1/0	
Variable Audio Out (Side/Rear)				No	
Variable Audio Out Volume Control (Side/Rear)				No	
RJ12 for External Control (Side/Rear)				0/1	
RJP Jack (Remote Jack Pack) (Side/Rear)				0/1	

Samsung HC470 Series

Specifications

		22HC470	28HC470	32HC470	39HC470
System	DTV Tuner	DVB-T/C			
	Analog Tuner	Yes			
	DiSEqC	No			
Design	Front Color	Black			
	Stand Type	Square			
	Swivel (Left/Right)	No			
Dimension	Set Dimension with Stand (mm/in.)	506.9 x 355.2 x 151.8 19.9 x 13.9 x 5.9	643.4 x 435.0 x 163.4 25.3 x 17.1 x 6.4	738.4 x 497.7 x 191.7 29.0 x 19.5 x 7.5	895.9 x 589.3 x 227 35.2 x 23.2 x 8.9
	Set Dimension w/o Stand (mm/in.)	506.9 x 317.0 x 66.3 19.9 x 12.4 x 2.6	643.4 x 396.5 x 62.9 25.3 x 15.6 x 2.4	738.4 x 444.0 x 93.2 29.0 x 17.4 x 3.6	895.9 x 532.5 x 93.2 35.2 x 20.0 x 3.6
	Package Dimension (mm/in.)	684.0 x 367.0 x 105.0 26.9 x 14.4 x 4.1	815 x 463 x 108 32.0 x 18.2 x 4.2	918 x 555 x 167 36.1 x 21.8 x 6.5	1,074 x 618 x 165 42.2 x 24.3 x 6.4
Weight	Set Weight with Stand (kg/lb)	3.1 / 6.8	4.1 / 9.0	6 / 13.2	9.8 / 21.6
	Set Weight w/o Stand (kg/lb)	2.95 / 6.5	3.7 / 8.1	5.4 / 11.9	7.8 / 17.1
	Package Weight (kg/lb)	3.85 / 8.4	5.6 / 12.3	7.7 / 16.9	11.6 / 25.5
VESA	VESA Mount (mm/in.)	75 x 75 2.9 x 2.9	100 x 100 3.9 x 3.9	200 x 200 7.8 x 7.8	
	VESA Screw Size	M4		M6	
Power	Power Supply (V)	AC220-240V 50/60Hz			
	Power Consumption (Rated) (Watts)	38	44	54	89
	Power Consumption (Stand-by) (Watts)	0.3			
	Power Consumption (IEC 62087 Edition 2) (Watts)	20	21	33	55
	Peak Luminance Ratio	68%	74%	99%	98%
	Yearly Power Consumption (EU standard, kWh)	29	31	48	80
Eco	Eco Label	Yes			
	Eco Mark	N/A			
	Eco Sensor	No			
	Energy Efficiency Class	A	A+	A	
	Mercury Content (mg)	0.0mg			
	Lead Presence	Yes			

Specifications

		22HC470	28HC470	32HC470	39HC470
Accessory	Remote Controller Model			TM1240	
	PureCare Remote (Seamless White Remote)			No	
	Battery (for Remote Control)			Yes	
	Mini Wall Mount Support	No		Yes	
	Vesa Wall Mount Support			Yes	
	Power Cable			Yes	
	Data Cable			Yes	
	Slim Gender Cable			N/A	
	Quick Install Guide			Yes	
	Stand Mount Kit			No	



Legal and additional information

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For more information

For more information about Samsung HC470 Series displays, visit www.samsung.com/business or www.samsung.com/displaysolutions

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

www.samsung.com

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