

Samsung HD450 and HD450S Series

Elevate guest room TVs to a new standard with affordable innovation and style



Highlights

- Enhance hotel branding and guests' convenience with an easily customizable Home Menu
- Deliver a vivid and immersive viewing experience with Full-High Definition
- Dramatically enhance image quality and display hidden details with Samsung Wide Color Enhancer Plus
- Display moving images with incredible clarity and accuracy with a high Clear Motion Rate
- Provide an enriched, in-room multimedia center with High Definition Multimedia Interface (HDMI) input
- Help save the environment while reducing energy usage and costs with ENERGY STAR compliance

Equip hotel guest rooms with chic and affordable superior-performance 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 affordable in-room displays with essential functionality, superior performance and a modern design can be a challenge.

Samsung HD450 Series high-performing displays include many features that hotels need, at a reasonable cost. The

displays' modern, streamlined design contributes to a pleasant room ambiance and superior viewing experience. The displays include Home Menu to standardize hotel properties and to enhance guests' in-room experience. In addition, the displays help reduce costs with enhanced technology and energy-saving features.

Provide a tailored Home Menu to enhance the viewing experience

With a customizable Home Menu, hotels can conveniently display resources such as the time, date and simple hotel information, and provide guests to access frequently used TV features in user mode. Properties can improve hotel branding by placing welcome message with hotel name and wallpapers on the Home Menu. And property managers can easily configure the display of Home Menu content in factory mode. Then, they can deploy the same content over all the hospitality displays through USB cloning.

The customizable Home Menu reduces the cost burden for hotels with consumer TVs that would otherwise have to adopt solution-embedded hospitality TVs and server systems. With the Home Menu, these hotels can move forward to a solution-based hospitality TV from conventional consumer TVs without incurring a huge expense.

Elevate TV viewing with vibrantly rich colors and images, while capturing all the fast-moving action



Figure 1. With a customizable Home Menu, hotels can provide useful information while improving hotel brand image

Deliver a new reality with vivid HD and Full HD*

The rich and vivid texture of HD TV images deliver a breathtaking viewing experience that takes viewers beyond the screen into a world of total immersion. Especially with HD450 40 inches, guests can enjoy a greater level of entertainment realism than ever before with Full HD resolution which is twice as high as standard HD TVs.

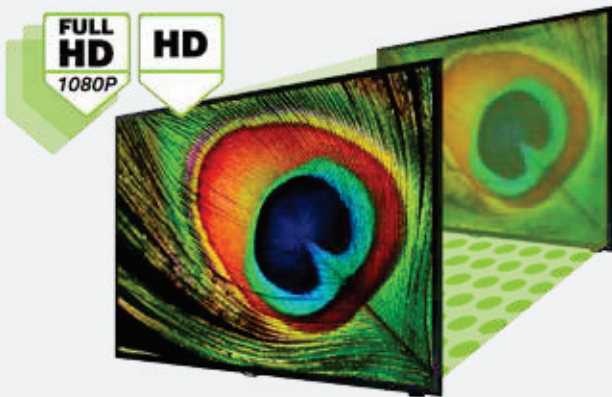


Figure 2. Guests can enjoy rich, vivid and realistic images with Full High-Definition

Display vibrant colors for enhanced images

Using an advanced picture quality improvement algorithm, Samsung Wide Color Enhancer Plus drastically improves image quality and uncovers hidden details. Wide Color Enhancer Plus enables picture color display the way the director originally intended it. With the entire RGB spectrum brought to life on the screen, viewers can experience exceptionally vibrant, yet natural-looking images.

Experience sharp picture quality, even with fast-moving images

Designed for watching quickly-moving images like sports or action movies, Clear Motion Rate (CMR) accurately measures how well an LCD or LED TV can depict the moving images by calculating three factors: frame refresh rate, image processor speed and backlight technology. With a CMR of 100, HD450 Series displays show action-packed movement with sharp detail and vivid contrast while eliminating image distortion.



Figure 3. Clear Motion Rate enables more accurate image presentation

Simplify rich multimedia entertainment

With ConnectShare Movie, guests can simply plug a USB memory drive into the TV and instantaneously enjoy movies, photos or music. And, HDMI provides high-speed transmission of high definition digital data from multiple devices straight into the TV.



Figure 4. Guest can simply plug in a USB for expanded entertainment experience

Samsung HD450 Series

HD450(S)



- Slim design for an enhanced guest room appearance
- Home Menu for enhanced hotel branding and guests' convenience
- Full High-Definition (FHD) image quality for realistic and immersive viewing experience

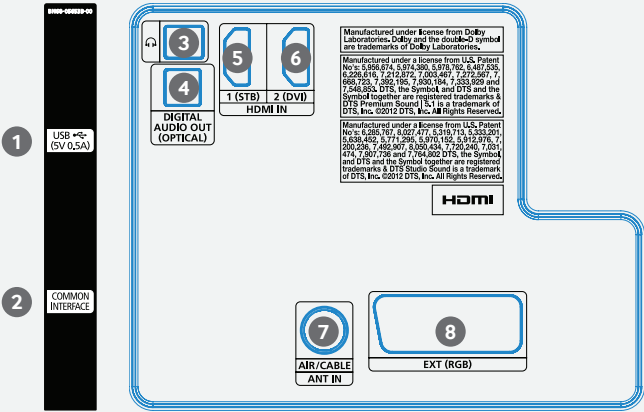
Basic Feature			Hospitality Solution				Convenience Feature		Security		Clock Option	
Screen Size	Resolution	Design	Home Menu	Lynk™ Reach	Lynk™ SINC	H.Browser	Bluetooth Player	Embedded Wi-Fi	Software DRM	Security Mode	External Clock Compatibility	Software Clock
24" 28" 32"	HD	Slim	Basic Home Menu	-	-	-	-	-	-	-	-	-
40"	FHD	Regular										

HD450 24"



- HG24ED450AW

Connectors



1. USB
2. COMMON INTERFACE
3. HEADPHONE
4. DIGITAL AUDIO OUT (OPTICAL)
5. HDMI IN 1
6. HDMI IN 2
7. AIR / CABLE ANTENNA IN
8. EXT (RGB)

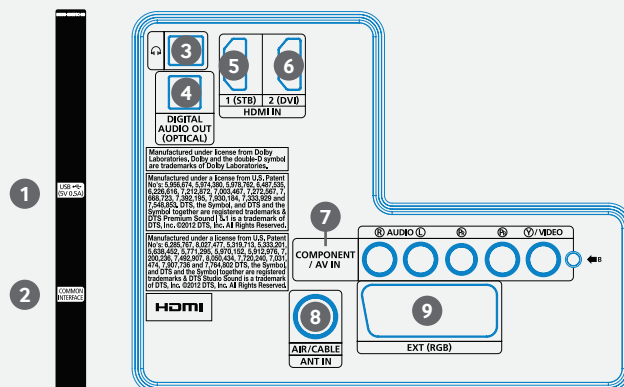
Samsung HD450 Series

HD450 28"



- HG28ED450AW

Connectors



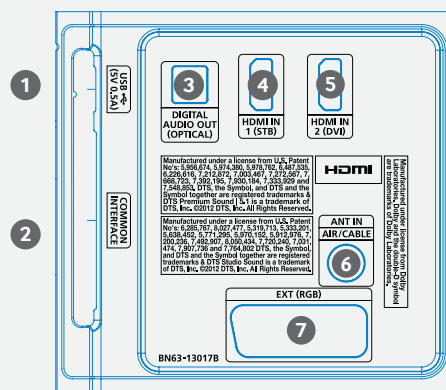
1. USB
2. COMMON INTERFACE
3. HEADPHONE
4. DIGITAL AUDIO OUT (OPTICAL)
5. HDMI IN 1 (STB)
6. HDMI IN 2 (DVI)
7. COMPONENT / AV IN
8. AIR/CABLE ANTENNA IN
9. EXT (RGB)

HD450 40"



- HG40ED450BW

Connectors



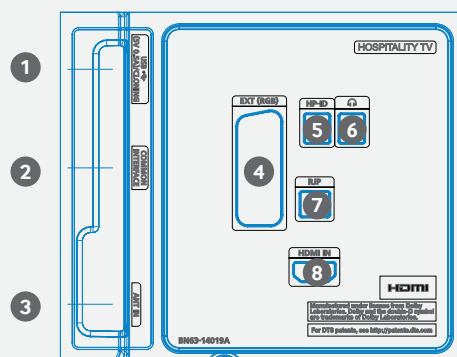
1. USB
2. COMMON INTERFACE
3. DIGITAL AUDIO OUT (OPTICAL)
4. HDMI IN 1
5. HDMI IN 2
6. AIR / CABLE ANTENNA IN
7. EXT (RGB)

HD450(S) 32"



- HG32ED450SW

Connectors



1. USB-CLONING
2. COMMON INTERFACE
3. ANTENNA IN
4. EXT (RGB)
5. HEADPHONE-ID
6. HEADPHONE
7. RJP(Remote Jackpack)
8. HDMI 1

Samsung HD450 Series

Specifications

		24HD450 HG24ED450AW	28HD450 HG28ED450AW	40HD450 HG40ED450BW	32HD450S HG32ED450SW
Display	Backlight	LED	LED	LED	LED
	Inch	24	28	40	32
	HD/FHD/UHD	HD	HD	FHD	HD
	Resolution	1,366 x 768	1,366 x 768	1920 x 1080	1,366 x 768
Video	Picture Engine	HyperReal	HyperReal	HyperReal	HyperReal
	Micro Dimming	N/A	N/A	N/A	N/A
	Wide Color Enhancer (Plus)	Yes	Yes	Yes	Yes
	Auto Motion Plus	N/A	N/A	N/A	N/A
	Film Mode	Yes	Yes	Yes	Yes
Audio	Dolby® Digital Plus	Yes	Yes	Yes	Yes
	Virtual Surround	DTS Studio Sound	DTS Studio Sound	DTS Studio Sound	DTS Studio Sound
	DTS® Codec	DTS Premium sound	DTS Premium sound	DTS Premium sound	DTS Premium sound
	3D Sound	N/A	N/A	N/A	N/A
	Sound Output (RMS)	10W(L:5W, R:5W)	10W(L:5W, R:5W)	20W(L:10W, R:10W)	10W(L:5W, R:5W)
	Speaker Type	2CH(Down Firing + Base Reflex)	2CH(Down Firing + Base Reflex)	2CH(Down Firing + Base Reflex)	2CH(Down Firing + Base Reflex)
	Woofer	N/A	N/A	N/A	N/A
Feature	Smart Hub	N/A	N/A	N/A	N/A
	Apps	N/A	N/A	N/A	N/A
	Web Browser	N/A	N/A	N/A	N/A
	Mobile to TV - Mirroring, DLNA®	N/A	N/A	N/A	N/A
	Samsung Smart View	N/A	N/A	N/A	N/A
	Voice Control	N/A	N/A	N/A	N/A
	Samsung 3D	N/A	N/A	N/A	N/A
	3D Converter	N/A	N/A	N/A	N/A
	Digital Clean View	Yes	Yes	Yes	Yes
	Auto Channel Search	Yes	Yes	Yes	Yes
	Auto Power Off	Yes	Yes	Yes	Yes
	BD Wise Plus	N/A	N/A	N/A	N/A
	Caption (Subtitle)	Yes	Yes	Yes	Yes
	Channel List USB-Clone	Yes	Yes	Yes	Yes
	ConnectShare™ (HDD)	N/A	N/A	N/A	N/A
	ConnectShare™ (USB 2.0)	Yes	Yes	Yes	Yes
	Sports Mode	Yes	Yes	Yes	Yes
	EPG	Yes	Yes	Yes	Yes
	Game Mode	Yes	Yes	Yes	Yes
	OSD Language	27 European Languages	27 European Languages	27 European Languages	27 European Languages
	Picture-In-Picture	Yes	Yes	Yes	Yes
	BT HID Built-in	N/A	N/A	N/A	N/A
	USB HID Support	N/A	N/A	N/A	N/A
	Teletext (TTX)	Yes	Yes	Yes	Yes

Samsung HD450 Series

Specifications

		24HD450 HG24ED450AW	28HD450 HG28ED450AW	40HD450 HG40ED450BW	32HD450S HG32ED450SW
Hospitality Feature	Samsung LYNK™ SINC Compatibility	No	No	No	No
	H.Browser Compatibility	No	No	No	No
	Samsung LYNK™ REACH	No	No	No	No
	Samsung LYNK™ REACH Server Compatibility	No	No	No	No
	Hospitality Home Menu	Yes	Yes	Yes	Yes
	Bluetooth Music Player (Mobile > TV)	No	No	No	No
	Hospitality Plug&Play (Easy Set-up)	Yes	Yes	Yes	Yes
	Auto Source Mode	Yes	Yes	Yes	Yes
	Power On Mode	Yes	Yes	Yes	Yes
	Hotel Channel List	No	No	No	No
	Channel Setup On/Off	Yes	Yes	Yes	Yes
	Mixed Channel List (ATSC, DVB-T/T2/ C/S2, Analog)	No	No	No	No
	My Channel	No	No	No	No
	Energy Saving Mode(BLU control)	Yes	Yes	Yes	Yes
	Logo Display with Time Out Setting (BMP/Movie)	No	No	No	No
	Welcome Message	No	No	No	No
	RJ12 / IR Pass Through	No	No	No	No
	External Clock Compatibility	No	No	No	No
	Clock Back Up Supply	No	No	No	No
	External Clock Dimming Control	No	No	No	No
	Software Clock	No	No	No	No
	Multi Code Remote control	No	No	No	No
	Screwed Battery Cover	Yes	Yes	Yes	Yes
	Sound Bar Compatibility	No	No	No	No
	Music Mode (Input: PC/AV/ Component/HDMI)	Yes	Yes	Yes	Yes
	Music Mode Backlight on/off	Yes	Yes	Yes	Yes
	TTX Clock Update (Analogue)	Yes	Yes	Yes	No
	USB Cloning	Yes	Yes	Yes	Yes
	Smoovie® Compatibility	No	No	No	No
	Soft AP	No	No	No	No
	On/Off Timer (Schedule)	Yes	Yes	Yes	Yes
	Wake-up Timer (Alarm)	No	No	No	No
	Samsung LYNK™ DRM	No	No	No	No
	Pro:Idiom®	No	No	No	No
	bLAN	No	No	No	No
	Security Mode	No	No	No	No
	S/W EPG (Solution EPG)	No	No	No	No
	IEC 60601-1	No	No	No	No
	Standby LED Color	Red	Red	Red	Red
	Wake on LAN (WOL)	N/A	N/A	N/A	N/A

Samsung HD450 Series

Specifications

		24HD450 HG24ED450AW	28HD450 HG28ED450AW	40HD450 HG40ED450BW	32HD450S HG32ED450SW
Input & Output	HDMI® (Side/Rear)	0/2	0/2	0/2	0/1
	USB (Side/Rear)	1/0	1/0	1/0	1/0
	Component In (Y/Pb/Pr) (Side/Rear)	No	0/1	No	No
	Composite In (AV) (Side/Rear)	No	0/1(Common)	No	No
	Ethernet (LAN) (Side/Rear)	No	No	No	No
	Headphone (Side/Rear)	0/1	0/1	No	0/1
	Audio Out (Mini Jack / LR) (Side/Rear)	No	No	No	No
	Digital Audio Out (Optical) (Side/Rear)	0/1	0/1	0/1	No
	PC In (D-sub)(Side./Rear)	No	No	No	No
	PC/DVI Audio In (Mini Jack) (Side./Rear)	No	No	No	No
	RF In (Terrestrial/Cable input) (Side/Rear)	0/1	0/1	0/1	1/0
	RS232C	No	No	No	No
	CI Slot (Side/Rear)	1/0	1/0	1/0	1/0
	Scart (Side/Rear)	0/1	0/1	0/1	0/1
	Pillow Speaker Jack (Side/Rear)	No	No	No	No
	Variable Audio Out (Side/Rear)	No	No	No	No
	Variable Audio Out Volume Control (Side/Rear)	No	No	No	No
	Video Out (Side/Rear)	No	No	No	No
	RJ12 (Side/Rear)	No	No	No	No
	RJP (Remote Jackpack) (Side/Rear)	No	No	No	0/1
System	Door-Eye Control (Side/Rear)	No	No	No	0/1
	Door-Eye Video In (Side/Rear)	No	No	No	No
Design	DTV Tuner	DVB-T/C	DVB-T/C	DVB-T/C	DVB-T/C
	Analog Tuner	Yes	Yes	Yes	Yes
Dimension	Front Color	Black	Black	Black	Black
	Stand Type	Square	Square	Square	Mini Arc
Weight	Swivel (Left/Right)	N/A	N/A	N/A	N/A
	Set Dimension with Stand (WxHxD) (mm)	561.8 * 384.2 * 163.8	643.4 * 435.0 * 163.4	905.2 * 562.3 * 196.4	745.4 * 463.1 * 150.5
	Set Dimension without Stand - Wall Mount Side (WxHxD) (mm)	561.8 * 349.1 * 47.9	643.4 * 396.5 * 62.9	905.2 * 525.4 * 91.1	745.4 * 433.9 * 57.9
	Set Dimension without Stand - Speaker Side (WxHxD) (mm)	561.8 * 349.1 * 65.2	643.4 * 396.5 * 62.9	905.2 * 525.4 * 91.1	745.4 * 433.9 * 69.0
Accessory	Set Weight with Stand (kg)	4.1	4.1	7.3	3.8
	Set Weight without Stand (kg)	3.8	3.7	6.4	3.7
Accessory	Package Weight (kg)	5.3	5.2	9.6	6
	Remote Controller Model	TM1240	TM1240	TM1240	TM1240
	Battery (for Remote Control)	Yes	Yes	Yes	Yes
	Vesa Wall Mount Support	Yes	Yes	Yes	Yes
	Power Cable	Yes	Yes	Yes	Yes
	Quick Install Guide	Yes	Yes	Yes	Yes
	Data Cable	No	No	No	No
	Stand Mount Kit	No	No	No	No
	Security Screws	No	No	No	No

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For more information

For more information about Samsung HD450 Series, visit www.samsung.com or www.samsung.com/displaysolution.



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