Samsung 678 Series Hospitality TVs

Deliver a best-in-class entertainment experience.

40" Class LED	HG40NB678FFXZA
46" Class LED	HG46NB678FFXZA

Slim Direct-Lit LED LCD TVs Designed for Today's Demanding Hotel Guests

Enhancing the guest experience in a hassle-free and budget-friendly way is a very exciting proposition. It's exactly what you get with the Samsung 678 Series Hospitality TVs. These innovative 40" and 46" displays feature direct-lit LED technology, for all the benefits of LED, yet at a lower cost. LED uses 50% less energy than CCFL backlighting. Content management is another plus. It's easier than ever with the Samsung REACH 2.0 content management solution. And LodgeNet® integration ensures the TVs work right out of the box. But your guests won't know anything about that. They'll be too immersed in an amazing Samsung HD experience. **Business. Innovated.**

Slim Direct-Lit LED Technology

Direct-lit LED technology provides the brilliance and energy savings advantages of LED technology, along with the uniform brightness typical of CCFL displays. And it does it all with an efficiency that makes it a more affordable technology. In fact, it's possible to upgrade your rooms to LED technology for a cost comparable to CCFL technology

Samsung LYNK™ REACH 2.0 Content Management Solution

The Samsung REACH 2.0 (Remote Enhanced Active Control for Hotels) Management Solution is used in conjunction with an existing coaxial-based infrastructure. It provides centralized TV controls, basic static content management capabilities and an Interactive Program Guide (IPG). Property management will be able to easily update and change information using a Windows-based system.

Samsung LYNK HD Content Decryption

Samsung's software-based DRM technology is integrated into the entire Samsung 2013 Hotel TV line. Samsung LYNK offers a robust solution to unlock premium HDTV content from content providers such as cable, satellite and VOD providers, with maximum efficiency and security.

Pro:Idiom™ DRM

The 678 Series is equipped with Pro:Idiom™ MPEG4 technology, making the TVs compatible with most major VOD/PPV systems. You can offer your guests premium HDTV content from cable, satellite or video-on-demand services with no optional cards or external box needed.

b-LAN™ (LodgeNet® Integration)

Broadband Local Area Network (b-LAN™) integrates LodgeNet's technology that allows television to work right out of the box in the LodgeNet system without any need for terminals or cards.

A Host of Features

Features include: Volume Limiters, Front Panel Lock-out, Menu Display Lock-out, Hotel Custom Logo/Welcome Message, Channel List Guide, Channel Re-mapping, Remote Jack Pack (RJP) Priority, USB Cloning and Anti-Theft Battery Cover Remote Control. Display pedestal stand rotates 90° in both directions with optimal 20, 60 and 90 degree stops—only on 40" and 46" models integrated in lockdown mount base.

Samsung 678 Series Hospitality TVs

Samsung Hospitality TVs are loaded with features that provide premier guest satisfaction, while making your job easier.

HOSPITALITY FEATURES

Anti-Theft Battery Cover
Battery door is secured, ensuring batteries remain in the remote controller.

b-LAN™
Broadband Local Area Network (b-LAN) integrates LodgeNet®'s technology that allows television to work right out of the box in LodgeNet system without any need for terminal or cards.

Channel Remapping
Allows the hotelier to change channel and TV source to a different channel.

Clock On Timer and Alarm Key
Allows the guest to program the TV to turn on as a wake-up alarm.

Closed Captioning
A text display of all audio content, including spoken dialog and non-speech information such as the identity of the speakers and symbols for sound effects and music.

Hotel Channel List
Guest master channel listing of program content. This will display content in analog or HD.

Hotel Logo Display with Time Out Setting
Display hotel logo bitmap files as a greeting startup display.

Hotel Mode Plug & Play
Interactive stand-alone mode available.

Lockout Controls
The hotelier can enable front panel and menu display lock-outs.

OSD Language
Choose English/French/Spanish.

Picture-in-Picture
Display one program while another is being displayed on the full TV screen at the same time.

Power On Status Setting
Settings include power always on, last option or standby.

Multi-Code Remote
Eliminates interference when two or more TVs are used in close proximity to each other.

Samsung LYNK REACH 2.0 Content Management Solution
The Samsung LYNK™ REACH 2.0 (Remote Enhanced Active Control for Hotels) Management Solution is used in conjunction with an existing coaxial-based infrastructure. It provides centralized TV controls, basic static content management capabilities and an Interactive Program Guide (IPG). Samung REACH delivers, in a free-to-guest solution, content and information on such topics as your hotel, local and in-room dining, spa and exercise facilities, meetings and events, local attractions, and other simple guest convenience features. Property managers will be able to easily update and change information using a Windows®-based system.

Sleep Timer
Allows guest to set TV turn-off time in 30-minute intervals up to 180 minutes.

USB Cloning
A quick and easy way to copy the ideal settings off one television to others on the property. Saves time and helps provide a consistent viewing experience for all televisions.

CONNECTIONS

Anynet + (HDMI – CEC)
This Samsung protocol allows the user to control other HDMI devices connected to the TV display, such as DVD players, PC computers and Soundbars.

ConnectShare™ (USB 2.0)
Connect a thumb drive or digital camera quickly and easily. User-friendly interface allows access to videos, a music playlist and pictures via the remote.

Hotel TV (RJ-12/IR Pass Through)
Allows you to connect an interactive STB/SBB (Set Top Box/Set Back Box).

Hotel TV RJ45
Connection to hotel LAN using custom H-browser or Samsung LYNK SINC.

Interactive Compatibility System
Allin, Enseo®, Guest-Tek, iBAHN®, InnVue, KoolConnect, built-in LodgeNet®, nStreams, NxSystems™, Pro:Idiom™, RoomLinx®, SeaChange®, SuiteLinq™, Swisscom, Tangerine®, uievolution®, VRN

Interactive systems are compatible when b-LAN is disabled.

Remote Jack Panel (RJP) Compatibility
G-Link™, TeleAdapt

PICTURE QUALITY AND AUDIO

Auto Volume Limiter
During initial product setup, minimum and maximum volume levels can be locked to help minimize disturbance to other hotel guests.

Full HD 1080p, MPEG4
Samsung 40" and 46" 678 Series TVs feature Full HD. All TVs also are compatible with MPEG4.

Music Mode (Input: HDMI/PC/AV/Component)
Allows audio feedback when picture is muted.

Music Mode Backlight On/Off
Shows a background display.

Slim Direct-Lit LED Technology
Direct-lit LED technology provides the brilliance and energy savings advantages of LED technology, along with the uniform brightness typical of CCFL displays. And it does it all with an efficiency that makes it a more affordable technology. In fact, it's possible to upgrade your rooms to LED technology for a cost comparable to CCFL technology. When you add the energy savings of up to 50% that LED offers over CCFL, you end up with the perfect solution for both you and your guests.

Soundbar Compatible
Samsung Hospitality Displays enable Soundbar compatibility by supporting HDMI-CEC. When you connect the Soundbar to the Samsung Hospitality Display with an HDMI cable, the TV audio settings and menu lock feature are automatically applied, so you don't have to set up the Soundbar separately. You can also prevent guests from changing the settings. With one single remote, guests can control both the TV and Soundbar simultaneously.

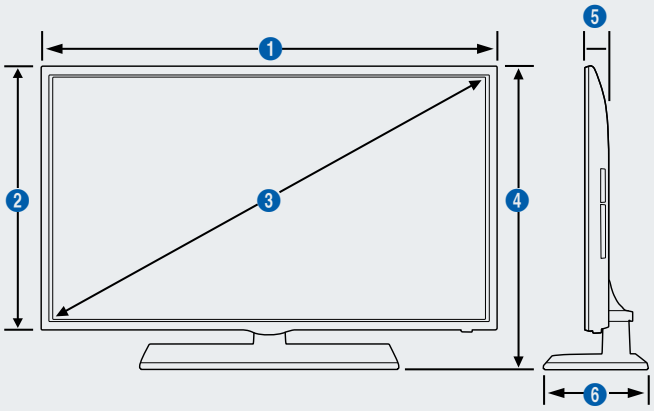
Swivel Stand with Optional Stops
Samsung Hospitality Displays pedestal stand rotates with optional 20-, 60- and 90-degree stops so wherever in the room your guests are they should have an excellent view of their TV. Swivel stand includes integrated mounting plate and bolt down kit (4 bolts, 2 nuts, 2 washers).

WARRANTY

2-year parts and 2-year labor warranty backed by Samsung Hospitality Hotline 1-866-894-0524. Optional professional installation, accessories and extended warranty are available.

Samsung 678 Series Hospitality TVs

Dimensions



40" | HG40NB678FFXZA - 1080p | 5000:1 Contrast Ratio

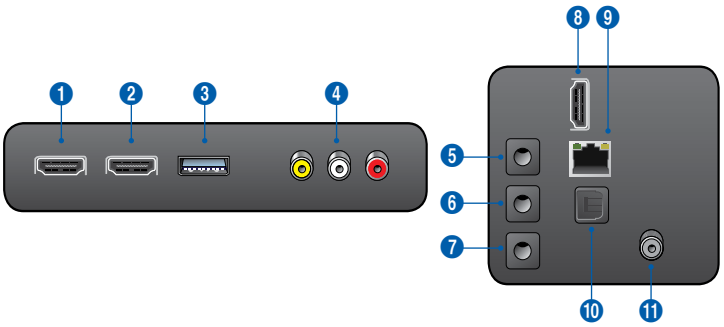
1	2	3	4	5	6
36.56"	21.74"	40"	19.88"	1.95"	8.96"

46" | HG46NB678FFXZA - 1080p | 5000:1 Contrast Ratio

1	2	3	4	5	6
41.71"	24.56"	46"	26.93"	1.95"	8.96"

Connectivity

1. HDMI In 2 (DVI)
2. HDMI In 1
3. USB
4. AV In
5. DVI In Audio
6. EX-Link (RS232)
7. Audio Out
8. HDMI In 3 (ARC)
9. Game Control Data
10. Digital Audio Out (Optical)
11. Ant In (AIR/Cable)



DIGITAL RIGHTS MANAGEMENT (DRM)

Pro:Idiom™ DRM

The 678 Series is equipped with Pro:Idiom™ MPEG4 technology, making the TVs compatible with most major VOD/PPV systems. You can offer your guests premium HDTV content from cable, satellite or video-on-demand services with no optional cards or external box needed. Pro:Idiom

Samsung LYNK™ HD Content Decryption DRM

Samsung's software-based DRM technology is integrated into the entire Samsung 2013 Hotel TV line. Samsung LYNK™ offers a robust solution to unlock premium HDTV content from content providers such as cable, satellite and VOD providers, with maximum efficiency and security.

SAMSUNG 678 SERIES HOSPITALITY TVs KEY SPECIFICATIONS For complete product specifications, visit samsung.com/hospitality

	Model Number	HG40NB678FFXZA	HG46NB678FFXZA
Display	Backlight	Direct-Lit LED	Direct-Lit LED
	Screen Size (Diagonal)	40"	46"
	HD (720) / FHD (1080)	FHD (1920 x 1080)	FHD (1920 x 1080)
Video	Picture Engine	HyperReal Engine	HyperReal Engine
	Static Contrast Ratio	5000:1	5000:1
	Response Time	8.0ms	8.0ms
	Viewing Angle (H/V)	178° / 178°	178° / 178°
	Brightness	350 nits	300 nits
	Wide Color Enhancer Plus	Yes	Yes
Audio	Dolby®	Dolby® Digital Plus / Dolby® Pulse	Dolby® Digital Plus / Dolby® Pulse
	SRS / DNSe+	SRS TheaterSound™	SRS TheaterSound™
	DTS 2.0 + Digital Out™	Yes	Yes
	Speaker Type	Down Firing + Full Range	Down Firing + Full Range
	Sound Output (RMS)	10W x 2	10W x 2
Features	ConnectShare™ (USB 2.0)	Movie	Movie
	OSD Language	English, Spanish, French	English, Spanish, French
	Digital Noise Filter	Yes	Yes
	HDMI 1.4 A / Return Ch. Support	Yes	Yes
	Anynet+ (HDMI-CEC)	Yes	Yes
	Auto Channel Search	Yes	Yes
	Auto Power Off	Yes	Yes
	Auto Volume Leveler	Yes	Yes
	Caption (Subtitle)	Yes	Yes
	Wake-up Timer	Yes	Yes
	Game Mode	Yes	Yes
	Picture-In-Picture	Yes	Yes
	Sleep Timer	Yes	Yes
Hospitality Features	Samsung LYNK™ DRM	Yes	Yes
	Pro:Idiom™ DRM	Yes	Yes
	bLAN™	Yes	Yes
	Music Mode (Input: PC/AV/Component)	Yes (AV only)	Yes (AV only)
	Music Mode BackLight on/off	Yes	Yes
	RJ 12 / IR Pass Through	Yes	Yes
	Jack Pack Compatiblity (HD Media Hub)	Yes	Yes
	USB Cloning	Yes	Yes
	Hotel Channel List	Yes	Yes
	Hotel Logo Display with Time Out Setting (BMP)	Yes	Yes
	Hotel Logo Display (Movie File)	Yes	Yes
	Welcome Message	Yes	Yes
	Auto Source Mode	Yes	Yes
	Energy Saving Mode (BLU Control)	Yes	Yes
	Multi Code Remote Control	Yes	Yes
	Screwed Remote Battery Cover	Yes	Yes
	Alarm Key	Yes	Yes
	Smoovie Compatibility	Yes	Yes
	Samsung LYNK™ REACH Server Compatibility	Yes	Yes
	Sound Bar Compatibility	Yes	Yes
Input & Output	HDMI (Side/Rear)	2/1	2/1
	USB (Side/Rear)	1/0	1/0
	Composite In (AV) (Side/Rear)	1/0	1/0
	Digital Audio Out (Optical) (Side/Rear)	0/1	0/1
	Audio Out (Mini Jack) (Side/Rear)	0/1	0/1
	DVI Audio In (Mini Jack) (Side/Rear)	0/1	0/1
	RF In (Terrestrial/Cable input) (Side/Rear)	0/1	0/1
	RS232C (AV CONTROL) (Side/Rear)	1 (Common Use for RJP)	1 (Common Use for RJP)
	RJ12	Yes	Yes
	RJP (For Remote Jackpack)	Yes	Yes
System	DTV Tuner	ATSC / Clear QAM	ATSC / Clear QAM
	Analog Tuner	Yes	Yes
Design	Front Color	Black Deco	Black Deco
	Stand Type	Square	Square
	Swivel (Left/Right)	90/90	90/90
Dimensions (W x H x D)	Set Size with Stand (mm) / (Inches)	928.2 x 610.1 x 227.7 / 36.56" x 19.88" x 8.96"	1059.6 x 684.0 x 227.7 / 41.7" x 26.93" x 8.96"
	Set Size without Stand (mm) / (Inches)	928.2 x 552.3 x 49.4 / 36.56" x 21.74" x 1.95"	1059.6 x 626.2 x 49.4 / 41.71" x 24.56" x 1.95"
Carton Dimensions	(H x W x L) (mm) / (Inches)	1125.0 x 152.0 x 616.0 / 44.3" x 6.0" x 24.3"	1277.0 x 716.0 x 158.0 / 50.3" x 28.2" x 6.2"
Weight	Set Weight with Stand (kg) / (lbs)	10.9 / 24	13.7 / 30.2
	Set Weight without Stand (kg) / (lbs)	8 / 17.6	10.8 / 23.08
Packaging Weight	Gross Weight (kg / lbs)	13.1 / 28.9	17.4 / 36.4
VESA Mounting	Dimensions (mm)	200 x 200	400 x 400
	Screw Size	M8	M8
Power	Power Supply	AC110-120V 50/60Hz	AC110-120V 50/60Hz
	Multi Voltage	AC110-220V	AC110-220V
	Power Consumption (Rated) (Watts)	116W	120W
	Power Consumption (Stand-by) (Watts)	Under 1.0W	Under 1.0W
	Power Consumption (Typical) (Watts)	48W	47W
UPC		887276025728	8806085686236
Eco	Eco Mark	Energy Star v6.0	Energy Star v6.0
	Eco Sensor	Yes	Yes
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
	Security Screws	Yes	Yes
	Stand Mount Kit	Yes	Yes

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