

Samsung UHD Hospitality Display

- HD890U

Exceptional UHD SMART hospitality display for the premier hotel environment



Emerging popularity of UHD in hospitality environments

With the continuous growth of the consumer UHD market and the emergence of UHD content providers across the globe, UHD is becoming increasingly popular among hospitality businesses. This industry-wide acceptance is expected to increase, with UHD becoming a standard room entertainment environment in the foreseeable future. Considering the timeframe typically required by properties to replace hospitality TVs, this is the ideal moment to begin equipping guest room entertainment environments with UHD displays. As with any business enhancement, hospitality providers must consider both replacement and operating expenses when exchanging existing TVs with UHD TVs.

Catch the UHD trend with stunningly clear, easily managed displays that deliver rich content for the upscale hotel

With Samsung UHD TVs, premium and luxury hotel guests experience amazing picture quality and clarity, along with interactive enriched content that is tailored to make their stay memorable. Whether they're connecting wirelessly to a myriad of entertainment options or enjoying personal images and audio, guests' comfort and convenience are elevated to new levels. A remarkably immersive viewing experience through the HD890W SMART Hospitality Display curved screen provides guests with an unrivalled premium hotel stay. Meanwhile, hotel managers appreciate the efficiency of easy management and content differentiation provided by these superior UHD displays.



Figure 1. UHD Hospitality Displays upscale hotel atmosphere while delivering immersive viewing experience

'Samsung UHD Hospitality Displays delivers premium and luxury experience with amazing picture quality and enriched interactive content.'

Elevate premium hotel guest rooms to the new UHD standard

Provide exceptionally vivid and detailed images with UHD Upscaling Technology

Samsung UHD TVs deliver Full-HD (FHD) content with an embedded 4-step UHD Upscaling process to provide viewers with exceptionally detailed images and ultimate picture quality. Viewers enjoy consistent UHD-like clarity, even when they're watching content with FHD and lower resolution. UHD Dimming precisely scans an extraordinary number of zones across an entire image and adjusts brightness to deliver deeper darks and brighter whites. This feature virtually eliminates the "halo" effect and image distortion, so viewers enjoy a crystal-clear picture. Precision Black Local Dimming produces sharper contrast and darker black hues by dimming the LEDs behind the darkest area of the picture while leaving the brighter elements fully illuminated. With Wide Color Enhancer Plus, viewers witness a wider spectrum of colors on the TV screen, with enriched colors even for older, non-HD content.



Figure 2. Viewers can enjoy UHD-like clarity through Upscaling Technology

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 their schedules or purpose of visit, while ensuring interactivity through an IP-based solution similar to consumer SMART TVs. 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.

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.



Figure 3. LYNK SINC solution diagram

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

Easily manage hospitality TVs centrally and remotely with LYNK™ REACH, a flexible and low-cost coaxial infrastructure 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 4. REACH solution diagram

Offer the ultimate guest experience with a customizable IP-based hospitality display management solution

As branded hospitality chains delegate hotel entertainment infrastructure maintenance to partners, they need a powerful solution to support the easy development, straightforward deployment and simplified maintenance of partners' solutions. H.Browser delivers the superior in-room entertainment and customized content management services that today's hotel guests expect, along with interactive web services, without need for hotels to purchase, install and maintain additional hardware such as VoD set-top boxes (STBs). As an IP-based open platform, H. Browser enables Systems Integrators (SIs) to provide fully customizable web browser solutions that deliver premium interactive services and features for both free

and VoD content. Because H.Browser is based on Internet programming languages such as HTML5 and Java Script®, SIs can easily develop and quickly deploy robust, customized hotel solutions.

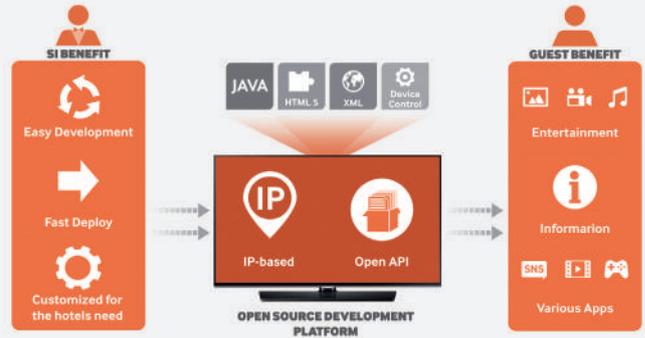


Figure 5. H.Browser diagram

Hospitality Partners :



Integrate guests' smart devices into in-room entertainment

Bluetooth Music Player* provides a cozy, home-like atmosphere by enabling guests to listen to their mobile device audio through an easy connection. The Bluetooth Music Player feature eliminates the need for hotels to purchase additional costly audio docking stations that can easily be broken or stolen.

Offer flexible entertainment through convenient wireless connectivity

Samsung UHD hospitality displays transform the guest experience by providing an in-room, multi-device entertainment hub with myriad viewing, sharing and connectivity features.

Smart View

Smart View is an easy TV-mobile interaction feature that enables guests to watch TV channels on a broad range of

Increase guests' comfort with simplified personal audio playing through the TV

mobile devices. Smart View TV-to-mobile interaction includes Live Channel Mirroring for all channels using a Samsung GALAXY® device and free-to-air channels (only) using an iPhone®. Mobile-to-TV interaction pushes content such as photos, videos and music files through an intuitive interface available on the mobile device to the TV for easy selection and viewing. Mobile-to-TV interaction is not restrictive of the mobile device platform used. Guests can enjoy their mobile content on the larger in-room TV.

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 in-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.

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.

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.



Figure 6. Quad Core enables powerful TV performance

Safeguard content with a software-based, reliable and economical DRM solution

Enhance guest comfort with an intuitive and sensitive remote controller

Samsung 890 Series SMART Hospitality Display remote controllers feature an oval design that fits more comfortably in the user’s hand with a motion sensor and four direction keys for faster, easier navigation, a touchpad for easy and intuitive flicking and scrolling, and hot keys for single-click access to frequently used features.

**The referenced remote controller (TM1480) is offered only for high-end 890 Series SMART Hospitality Display models.*

Optimize device and resource management to minimize TCO

Samsung UHD 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 |
|---------------|---|
| HD890U | <ul style="list-style-type: none"> - Ultra-HD resolution for stunning and enjoyable TV viewing - Bluetooth Music Player for simplified and convenient personal media enjoyment - Management solutions (REACH, SINC, H.Browser) for straightforward and efficient control |

Samsung HD890U Series Hospitality Displays

HD890U



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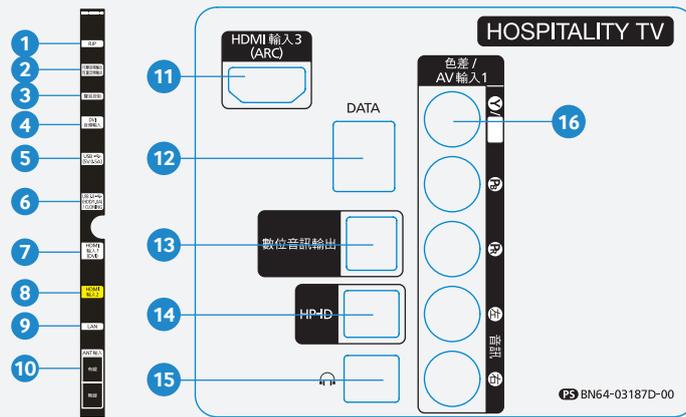
| Basic Feature | | | | Hospitality Solution | | | Convenience Feature | | Security | | Clock Option | |
|---------------|------------|--------|-----------|----------------------|-------------|------------|---------------------|----------------|-----------|---------------|------------------------------|----------------|
| Screen Size | Resolution | Design | Processor | Home Menu | Lynk™ Reach | Lynk™ SINC | Bluetooth Player | Embedded Wi-Fi | Lynk™ DRM | Security Mode | External Clock Compatibility | Software Clock |
| 55" | UHD | Luxury | Quad Core | New Home Menu | ○ | ○ | ○ | ○ | ○ | | | ○ |

55"



- HG55AD890UW

Connectors



- | | | |
|-------------------------|---------------------------------------|-----------------------|
| 1. RJP(Remote Jackpack) | 8. HDMI IN 2 | 14. HEADPHONE-ID |
| 2. VARIABLE AUDIO OUT | 9. ETHERNET (LAN) | 15. HEADPHONE |
| 3. VOLUME CONTROL | 10. ANTENNA IN (SATELLITE, AIR/CABLE) | 16. COMPONENT/AV IN 1 |
| 4. DVI AUDIO IN | 11. HDMI IN 3 | |
| 5. USB | 12. DATA | |
| 6. USB / CLONING | 13. DIGITAL AUDIO OUT (OPTICAL) | |
| 7. HDMI IN 1 | | |

Samsung HD890U Series Hospitality Displays

Specifications

| | | 55HD890U HG55AD890UW |
|----------------|--------------------------------|--------------------------------|
| Display | Backlight | LED |
| | Inch | 55 |
| | HD/FHD/UHD | UHD |
| | Resolution | 3,840 x 2,160 |
| Video | Picture Engine | UHD Up-Scaling |
| | Micro Dimming | UHD Dimming |
| | Wide Color Enhancer (Plus) | Yes |
| | Auto Motion Plus | Yes |
| | Film Mode | Yes |
| Audio | Dolby Digital Plus | MS11 |
| | Virtual Surround | DTS Studio Sound |
| | DTS Codec | DTS Premium sound 5.1 |
| | 3D Sound | N/A |
| | Sound Output (RMS) | 20W(L:10W, R:10W) |
| | Speaker Type | 2CH(Down Firing + Base Reflex) |
| | Woofer | N/A |
| Feature | Smart Hub | Smart |
| | Apps | Yes |
| | Web Browser | Yes |
| | Mobile to TV - Mirroring, DLNA | Yes |
| | Samsung Smart View | Yes |
| | Voice Control | Yes |
| | Samsung 3D | N/A |
| | 3D Converter | N/A |
| | Digital Clean View | Yes |
| | Auto Channel Search | Yes |
| | Auto Power Off | Yes |
| | BD Wise Plus | Yes |
| | Caption (Subtitle) | Yes |
| | Channel List USB-Clone | N/A |
| | ConnectShare™ (HDD) | Yes |
| | ConnectShare™ (USB 2.0) | Yes |
| | Sports Mode | Basic |
| | EPG | Yes |
| | Game Mode | Yes |
| | OSD Language | Local Languages |
| | Picture-In-Picture | Yes |
| | BT HID Built-in | Yes |
| | USB HID Support | Yes |
| Teletext (TTX) | Yes | |

Samsung HD890U Series Hospitality Displays

Specifications

| | 55HD890U HG55AD890UW |
|--|-------------------------|
| Samsung LYNK™ SINC Compatibility | Yes |
| H.Browser Compatibility | Yes |
| Samsung LYNK™ REACH | Yes |
| Samsung LYNK™ REACH Server Compatibility | Yes |
| Hospitality Home Menu | Yes |
| Bluetooth Music Player (Mobile > TV) | Yes |
| Hospitality Plug&Play (Easy Set-up) | Yes |
| Auto Source Mode | Yes |
| Power On Mode | Yes |
| Hotel Channel List | Yes |
| Channel Setup On/Off | Yes |
| Mixed Channel List (ATSC, DVB-T/T2/ C/S2, Analog) | Yes |
| My Channel | Yes |
| Energy Saving Mode(BLU control) | Yes |
| Logo Display with Time Out Setting (BMP/Movie) | Yes |
| Welcome Message | Yes |
| RJ12 / IR Pass Through | Yes |
| External Clock Compatibility | No |
| Clock Back Up Supply | Yes |
| External Clock Dimming Control | No |
| Software Clock | Yes |
| Multi Code Remote control | Yes |
| Screwed Battery Cover | Yes |
| Sound Bar Compatibility | Yes |
| Music Mode (Input: PC/AV/ Component/HDMI) | Yes |
| Music Mode Backlight on/off | Yes |
| TTX Clock Update (Analogue) | Yes |
| USB Cloning | Yes |
| Smovie Compatibility | Yes |
| Soft AP | Yes |
| On/Off Timer (Schedule) | No |
| Wake-up Timer (Alarm) | Yes |
| Samsung LYNK™ DRM | Yes |
| Pro:Idiom | No |
| bLAN | No |
| Security Mode | No |
| S/W EPG (Solution EPG) | Yes |
| IEC 60601-1 | No |
| Standby LED Color | Red |
| Wake on LAN (WOL) | Yes |

Hospitality Feature

Samsung HD890U Series Hospitality Displays

Specifications

| | | 55HD890U HG55AD890UW |
|---------------------------|--|----------------------------------|
| Input & Output | HDMI (Side/Rear) | 2/1 |
| | USB (Side/Rear) | 2/0 |
| | Component In (Y/Pb/Pr) (Side/Rear) | 0/1 |
| | Composite In (AV) (Side/Rear) | 0/1 (Common Use for Component Y) |
| | Ethernet (LAN) (Side/Rear) | 1/0 |
| | Headphone (Side/Rear) | 0/1 |
| | Audio Out (Mini Jack / LR) (Side/Rear) | No |
| | Digital Audio Out (Optical) (Side/Rear) | 0/1 |
| | PC In (D-sub)(Side./Rear) | No |
| | PC/DVI Audio In (Mini Jack)(Side./Rear) | 1/0 |
| | RF In (Terrestrial/Cable input) (Side/Rear) | 1/0 |
| | RS232C | Yes(Common Use for RJ12) |
| | CI Slot (Side/Rear) | N/A |
| | Scart (Side/Rear) | N/A |
| | Pillow Speaker Jack (Side/Rear) | No |
| | Variable Audio Out (Side/Rear) | 1/0 |
| | Variable Audio Out Volume Control (Side/Rear) | 1/0 |
| | Video Out (Side/Rear) | No |
| | RJ12 (Side/Rear) | 0/1 |
| | RJP (Remote Jackpack) (Side/Rear) | 1/0 |
| | Headphone ID (Side/Rear) | 0/1 |
| | Door-Eye Control (Side/Rear) | No |
| | Door-Eye Video In (Side/Rear) | No |
| System | DTV Tuner | DVB-T/C |
| | Analog Tuner | Yes |
| Design | Front Color | Black |
| | Stand Type | Slim T-Stand |
| | Swivel (Left/Right) | N/A |
| Dimension | Set Dimension with Stand (WxHxD) (mm) | 1242.6 * 770.5 * 277.7 |
| | Set Dimension without Stand - Wall mount Side (WxHxD) (mm) | 1242.6 * 718.3 * 56.3 |
| | Set Dimension without Stand - Speaker Side (WxHxD) (mm) | 1242.6 * 718.3 * 67.4 |
| Weight | Set Weight with Stand (kg) | 14 |
| | Set Weight without Stand (kg) | 11.1 |
| | Package Weight (kg) | 17.5 |
| Accessory | Remote Controller Model | TM1480+TM1240 |
| | Battery (for Remote Control) | Yes |
| | Vesa Wall Mount Support | Yes |
| | Power Cable | Yes |
| | Quick Install Guide | Yes |
| | Data Cable | Yes |
| | Stand Mount Kit | No |
| | Security Screws | No |

Legal and additional information

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For more information

For more information about Samsung UHD Hospitality Displays, visit www.samsung.com/business or www.samsung.com/displaysolutions.



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