SAMSUNG SAMSUNG

# **QSR Display Solutions**

# A vibrant future for food & beverage

Outdoor signage | Stand alone | Video wall | Kiosk | Business TV | LED signage | Specialty | ViewFinity | MagicINFO

# About Samsung Electronics Co., Ltd.

Samsung inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, digital appliances, network systems, and memory, system LSI, foundry and LED solutions. For the latest news, please visit the Samsung Newsroom at http://news.samsung.com.

#### For more information

For more information about Samsung Smart Signage, Smart LED Signage and Business Monitor, visit www.samsung.com/business or www.samsung.com/displaysolutions

Copyright © 2022 Samsung Electronics Co. Ltd. All rights reserved. Samsung is a registered trademark of Samsung Electronics Co. Ltd. Specifications and designs are subject to change without notice. Non-metric weights and measurements are approximate. All data were deemed correct at time of creation. Samsung is not liable for errors or omissions. All brand, product, service names and logos are trademarks and/or registered trademarks of their respective owners and are hereby recognized and acknowledged.

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





# Transforming the QSR industry with powerful, vibrant digital displays

With increasing competition and the growing trend of contactless transactions, the QSR industry has had to make rapid changes in how they present information to customers. More than ever, these restaurants must be delivering a service that surprises and delights guests, enticing customers and driving more foot traffic. It's critical that every interaction counts, ensuring guests receive the right information at the right time, keeping them coming back for more. That's why restaurants are relying on Samsung's QSR display solutions to highlight products and services, creating a modern customer experience. For QSRs looking to take advantage of the digitization and modernization happening across the QSR industry, Samsung is the ideal partner.



#### Attract and delight more guests

One of the keys to success for any QSR is the ability to entice customers both in and out of the restaurant. Rich, vibrant images that display new menu items and promotions capture customer attention. Once they are interacting with the restaurant, Samsung's QSR displays ensure a seamless customer experience, delighting customers and ensuring more profitable transactions.



#### Make every guest interaction count

Dynamic menus that can be customized to suit any moment in time, from a local event to a major holiday, enable better upselling opportunities and a more personalized service that keeps customers coming back for more. Plus, Samsung QSR displays support multi-service locations for a more connected experience, while faster ordering ensures greater convenience and satisfaction for every guest.



#### Operate with safety and efficiency

New technologies and hygiene considerations are changing customer expectations to order and pick up with minimal contact. Samsung's QSR solutions include offerings for quick service while prioritizing customer safety, such as kiosk for self-ordering and outdoor signage tailored for drive-thru. Samsung also offers a Content Management Solution (CMS) tool to easily and efficiently manage the multiple devices and integrate content across locations without the need for physical maintenance.

# What Samsung offers

Samsung's industry-leading visual display technology is enabling the QSR industry to make service more memorable, convenient and personalized for guests – while also streamlining operations for a more efficient and profitable business. Samsung's QSR lineup brings together vivid and vibrant displays, with comprehensive content management solutions, empowering businesses to adapt to the future of convenience, and keep customers coming back for more.





















5













#### **Outdoor signage**

Samsung's outdoor signage deliver consistently clear content in a variety of outdoor environments and lighting conditions, enabling maximum audience engagement. Plus, the displays are built to withstand outdoor elements that might affect the display.



#### Window signage

With brilliant brightness even in direct sunlight, Samsung's Window signage ensure that all content captures the attention of customers. The slim, sleek design also enables the display to fit seamlessly into any restaurant interior.

#### Digital menu board

Samsung's digital menu boards deliver vibrant images even when exposed to direct light, while wide viewing angles mean content is visible wherever a customer is standing, meaning guests have the information they need to inform

#### Self-ordering kiosk

Self-ordering kiosk, such as an all-in-one Samsung Kiosk, offer helpful and convenient interactions to guests, improving operational efficiency as well as providing new up-selling and cross-selling opportunities.

#### **Promotional display**

Samsung's indoor and outdoor LED signage and premium signage attract customer attention and delight guests with eye-catching content.

#### Management solution

Samsung offers advanced management solutions that help to ensure the smooth running of the back-of-house, ensuring that staff can focus on what matters most delivering a premium experience to all guests.

# Outdoor signage

#### Deliver clear information and content in all conditions

Samsung's outdoor signage series provide the most clear, bright and realistic images to attract and engage audiences, as well as, increase in-store visits. Regardless of weather conditions, consumers can approach the menu board to easily recognize the contents thanks to the display's high visibility.



#### OHB / OHA / OHA-S / OHN / OHN-D series



#### Outdoor visibility

Samsung outdoor signage is UL-certified for outdoor visibility, offering brightness greater than 3,500nits and 24/7 performance to deliver crisp and vivid content, supported by a built-in auto brightness sensor which automatically adjusts the brightness based on any external lighting, for a versatile and operationally efficient display.









gh Visibility

ss sensor 24/7

Operation

Low Reflection

# BEEF BURGER BURGER BURGER

#### Resistant to outdoor elements

With certified IP56-rated protection, Samsung deliver robust reliability to withstand physical impact as well as dust and water that might affect the display. Fitted with tempered Magic Protection Glass, the Samsung provide durability that is IK10-rated, ensuring advanced safety and protection against external impact.



0:://





IP56 Certifica

\*\* Ingress of dust is not entirely prevented, but will not accumulate in sufficient quantities to interfere with the satisfactory operation of the equipment.

# Window signage

#### Catch the eye of potential customers

Designed for storefront windows, Samsung's window signage not only deliver an image with flawless clarity, but are also designed to maintain superior picture quality and visibility even when exposed to direct sunlight – a common challenge for conventional in-window signage.



#### OMB / OMA / OMN-S / OMN-DS series



\* Resolution vary by model.

#### Brilliant presentation for all

Unlike conventional digital signage, the Samsung window signage delivers content that stands out, regardless of outdoor elements. Featuring 4,000 nit brightness and a high contrast ratio up to 5,000:1\*, the Samsung display remains bright and clear, delivering an uncompromised picture that will capture the attention of potential customers – even in direct sunlight.









unglasses Resist

Modernize space with slim design

Through innovative design, the Samsung window signage delivers real-tolife pictures with a remarkably slim 54.5mm depth. Its compact size makes the display a natural extension of the store, as opposed to an addition that ties up valuable space. It also gives QSRs greater flexibility in storefront design. Meanwhile, customers remain focused on rich, engaging content on a sleek, sophisticated display and won't be distracted by a bulky display.







07

Samsung OMN series

# Digital menu board

#### Keep customers engaged with vibrant content, visible from any angle

Samsung's indoor digital menu board displays catch the eye of customers even from a wide viewing angle or in a range of lighting conditions. The crisp, clear images ensure consumers can easily see the menu and feel confident they are making the right choice.



#### QHB / QMB / QBB series



#### Stunning picture quality and design

Make every visual experience impactful. QHB / QMB / QBB Series provides head-turning visuals with true-to-life colors and elevates every piece of content to 4K with industry-leading video processing technology. With reliable, non-glare panels and an unintrusive design, audiences see every piece of content clearly, without distraction.









n-glare

Slim And Symmetrical Des

#### Streamlined set up and easy maintenance

Install and maintain without frustration. QHB / QMB / QBB Series offers a simplified set-up process that allows managers to configure after installation and maintain fixed settings from anywhere in the world. With consistent calibration across all screens and access to the latest web-engine upgrades, showcase the latest innovative content exactly as you intend.







Upgradable Web-engine

### VHR-R / VMB-R / VHB-E / VMB-E / VMB-U series

Samsung VMB-U



\* "Conventional" refers to video walls that have glare panels

#### View content from any angle

Wide viewing angles mean content is easily visible even if guests aren't standing directly in front of the display, meaning customers can clearly see the menu options regardless of where the screen is. Plus, wide viewing angles means an indoor menu board can become the center of a QSR's communications







rizontal

#### Vibrant images in any light

Non-glare panels evenly distribute light across the screen to ensure menu content can be seen accurately, creating a comfortable and satisfactory customer experience. Combined with a high contrast ratio and 24/7 operation, visuals are vivid and eye-catching any time of day or night







Non-Glare Danel

High Contrast Ratio

24/7 Operatio



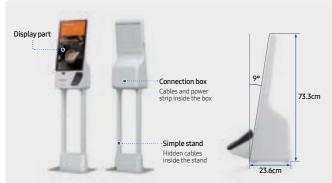
# Self-ordering kiosk

#### Enhance efficiency while creating upselling opportunities

Samsung Kiosk offers an all-in-one solution, providing versatile payment options without the need for a PC or other peripherals. The Kiosk increases efficiency and reduces operation and maintenance needs, allowing staff to focus on other business priorities and additional upselling opportunities.



#### **KMA** series



\* Wall mount must be purchased separately.



#### Compact and modern design

The Samsung Kiosk adopts a modular design which provides a variety of customer payment options including credit card, barcode, QR code and NFC, along with a built-in printer. This means it needs no additional peripherals for an advanced, all-in-one solution that also makes maintenance fast and easy.





#### Powerful solution with no PC needed

Samsung Kiosk is built based on Samsung's proven SoC (System on Chip) technology. This enables the kiosk to function without the need for an external PC, delivering powerful and reliable technology for a seamless customer experience.





# **Business TV**

#### Never miss a promotion opportunity with dynamic content

Samsung Business TV is the ideal display solution for small and medium sized restaurants and cafe owners, enabling them to showcase both dynamic content and promotional messages.



#### **BEA-H series**



Operation hour specification may vary by country.

Samsung's Business TV delivers an eye-catching visual experience with UHD resolution in a range of sizes to fit any QSR environment. Crystal Display ensures optimized color expression, while High-Dynamic Range improves brightness levels to better keep the attention of customers and leave a lasting impression for future sales opportunities.





**Eye-catching content** 





Control content with your personal device

Samsung Business TV app, available for Android and iOS devices, provides convenience by allowing users to remotely manage and control content on connected Business TVs, ensuring the right content is shown at the right time in any restaurant to maximize customer engagement.











# Promotional display

#### Promote special offers with dynamic content options

Samsung's innovative, indoor and outdoor LED and premium displays provide QSRs with an optimized tool for promotions, showcasing dynamic content, menu items and special offers to customers while they wait, driving increased sales.



#### **XHB** series

**IEA series** 



Samsung IEA series

#### Superior visibility, reliable durability

The XHB series is made with an IP66 waterproof design to perform reliably in extreme weather conditions, including downpours and intense sunlight. Powered by the latest technology in Samsung's S-box, the XHB consistently delivers crisp, clear images. At the same time, the displays improve energy efficiency for operations by reducing power consumption up to 22.2% compared with conventional products.



<u>0</u>





Clear Visibility

IP66 (

Supported S-box

ted Energ

Easier, cost-saving installation

The IEA series supports two cabinet types. One version features a larger, lighter screen compared to conventional cabinets, simplifying installation. The other is a quarter of the size and provides more flexibility in design. Through the design support, Samsung IEA series fit to various installation environment in QSR business.





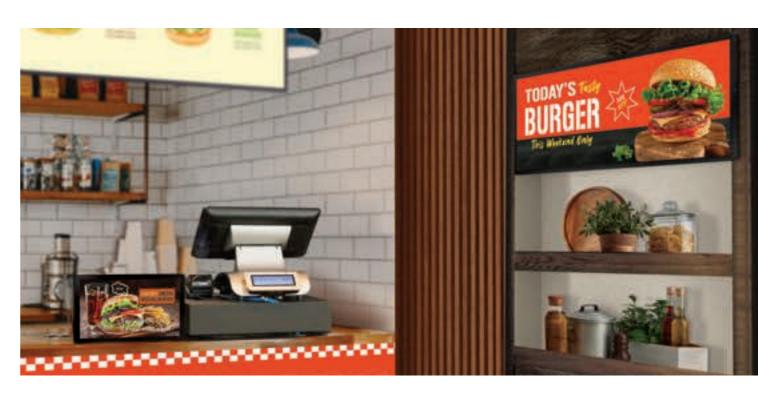
Variation

Cost-savin

# Specialty

#### Enable more impactful communication through versatile signage solution

For efficient store operations and a seamless customer journey, Samsung offers a specialty display optimized for QSR. By using a small, narrow space, the solution can function effectively in QSR applications with payment and promotion capabilities.



#### **SHR-B series**



# Maximize viewer engagement in a minimum amount of space

Samsung SHR-B displays feature a slim profile with a depth of only 44.8 mm which allows you to maximize available space. This enables the display to be installed in areas where space is limited and allows content to blend seamlessly with the environment in a slim, light, design with reduced power consumption for lower operation costs.









4/7 eration

Slim Depth

Narrow Bezel

QBR / QBR-B / QBR-T / QBR-TB series



#### Crisp and visible content

The display supports 1920x1080 FHD resolution, displaying crisp and easy-to-read content. This is enhanced by a non-glare panel which always delivers clear content in any ambient light. These innovative features are supported by reliable 16/7 operation, suitable for various QSR environment use.









e En

Media player

12

# Management solution

# Improve operational efficiency with intuitive management solution

Intuitive management solutions to control digital displays throughout QSRs, allowing users to create and update information easily and as needed. At the same time, crews can easily control individual situations with a versatile business monitor.



#### **ViewFinity**



32:9

#### Picture quality for peak performance

On the world's first glare-free, UL-certified monitor, the matte display enables professionals to review and edit content clearly without the need for a monitor hood, even in broad daylight. The extended color range supports up to 98% of DCI-P3 to maximize creative potential. The monitors include adaptive picture technology for consistent accuracy and TUV-certified intelligent eye care to protect against blue light and flicker.









UHD Resolution

Display HDR600

Ultimate efficiency with limitless workspace

With PBP and PIP capabilities, workers can view multiple documents simultaneously for greater productivity. Designed to create a clutter-free desk environment, the USB Type-C port enables data transfer with a single cable while powering a laptop up to 90W. The LAN port allows laptops without an embedded LAN port to connect to the monitor for Ethernet use. The ergonomic stand provides added comfort with VESA mount capability for tilt, swivel, and pivot controls.









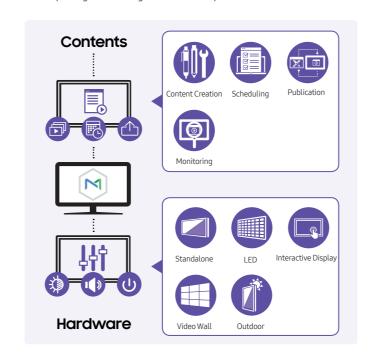
Wide Viewing Angl

USB Type-c

Ergonomic Design

#### MagicINFO solution

Samsung's comprehensive MagicINFO platform can remotely manage both hardware and software through one single-point management system. With this solution, QSRs can conveniently create, schedule and deploy content and menu items across an entire digital menuboard. The platform is compatible with a host of display types, ensuring the delivery of compelling content regardless of the operational framework.



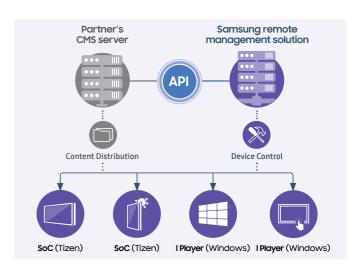
#### SSSP solution

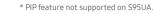
The Samsung Smart Signage Platform (SSSP) is an, open-source, all-in-one solution that is embedded in Samsung's Smart signage and doesn't require any additional devices to communicate with the server and play digital media. SSSP provides an integrated media player by giving partners the freedom to create software directly on their Samsung displays.

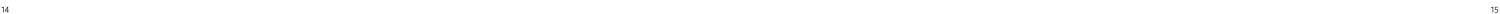


#### Remote management solution

Thanks to Samsung Remote Management solution, an SSSP Partner that has its own CMS solution can perform in-depth remote monitoring of digital devices and eliminate the need for site visits or service calls.







# **Specifications**

#### Outdoor signage

Model	Screen size	Resolution	Brightness	Contrast ratio	Operation hour	Certification Connectivity		SoC	S/W
ОНВ	24", 46"	1920x1080	3500nit 4000nit (Peak)	6000:1	24/7	IP56 EMC Class A			Tizen 5.0 MagicINFO S7
ОНА	75"	3840x2160	3500nit 4000nit( Peak)	1200:1	24/7	IP56 EMC Class A	- In: HDMI2.0(2), HDCP2.2, Stereo Mini Jack, USB(only f/w upgrade) - Out: DP1.2(Loop-Out), Stereo Mini Jack - Ext: RS232C(In/Out), RJ45(in)	SSSP7.0	Tizen 5.0 MagicINFO S7
OHA-S	55"	1920x1080	3500nit 4000nit (Peak)	6000:1	24/7	IP56 EMC Class A	- In: HDMI2.0(2), HDCP2.2, Stereo Mini Jack, USB(only/f/w upgrade) - Out: DP12(Lop-Ort), Stereo Mini Jack - Ext: RS232C(In/Out), RJ45(in/out)	SSSP7.0	Tizen 5.0 MagicINFO S7
OHN	85"	3840x2160	3300nit(w/o glass) 3000nit (w glass)	3000:1	24/7	IP56 EMC Class A			Tizen 4.0 MagicINFO S6

#### Window signage

Model	Screen size	Resolution	Brightness	Contrast ratio	Operation hour	Certification Connectivity		SoC	S/W
ОМВ	46",55"	1920x1080 (46") 3840x2160 (55")	4000nit (46") 3000nit (55")	6000:1 1200:1	24/7	IP5x EMC Class A	- Out- HDMI2 O(1) Storog Mini Jack		Tizen 5.0 MagicINFO S7
OMA	75"	3840x2160	4000nit	1200:1	24/7	IP5x EMC Class A	- In: DP1.2, HDMI 2.0(2), HDCP 2.2, USB 2.0 - Out: HDMI 2.0, Stereo Mini Jack - Ext: RS232C(in/out), RJ45(in)	SSSP7.0	Tizen 5.0 MagicINFO S7
OMN-S	55"	1920x1080	4000nit	6000:1	24/7	IP5x EMC Class A	- In: DP1.2, HDMI2.0(2), HDCP2.2, USB2.0 - Out: HDMI2.0, Stereo Mini Jack - Ext: RS232C(in/out), RJ45(in/out)	SSSP7.0	Tizen 5.0 MagicINFO S7
OMN-DS	55"	1920x1080	3000nit/1000nit	6000:1	24/7	IP5x EMC Class A	- In: DP1.2, HDMI2.0(2), HDCP2.2, USB2.0 - Ext: RS232C(in), RU45(in)	SSSP7.0	Tizen 5.0 MagicINFO S7

#### Digital menu board

#### Stand alone

Model	Screen size	Resolution	Brightness	Contrast ratio	Operation hour	Certification Connectivity		SoC	S/W
QHB	43",50",55", 65",75"	3840x2160	700nit	4000:1	24/7	IP5x EMC Class B ENERGY STAR 8.0 EPEAT	EMC Class B - In: DP1.2, HDMI 2.0(3), USB2.0(2)  ENERGY STAR 8.0 - Out: Stereo Mini Jack  - Ext: PS232(fin/out) P M5(in)		Tizen 6.5 MagicINFO S10
QMB	43",50",55", 65",75"	3840x2160	500nit	4000:1	24/7	IP5x EMC Class B ENERGY STAR 8.0 EPEAT	- In: DP1.2, HDMI 2.0(3), USB2.0(2) - Out: Stereo Mini Jack - Ext: RS232C(in/out), RJ45(in)	SSSP10.0	Tizen 6.5 MagicINFO S10
QBB	43",50",55", 65",75"	3840x2160	350nit	4000:1(IPS(43")- 1200:1)	16/7	IP5x		SSSP10.0	Tizen 6.5 MagicINFO S10

#### Video wall

Model	Screen size	Resolution	Brightness	Contrast ratio	Operation hour	Certification	Connectivity	Bezel width	
VHR-R	55"	1920x1080	700nit	1100:1	24/7	IP5x EMC Class A ISTA-6A	– In: DVI-D, DP1.2, HDMI 2.0(2), Stereo Mini Jack, HDCP 2.2, USB(only f/w upgrade) – Out: DP1.2(Loop-out), Stereo Mini Jack – Ext: RS232C(in/out), RJ45(in)	0.44mm(even)	
VMB-R	55"	1920x1080	500nit	1100:1	24/7	IP5x EMC Class A ISTA-6A	- In: DVI-D, DP1.2, HDMI 2.0(2), Stereo Mini Jack, USB(only f/w upgrade) - Out: DP1.2(Loop-out), Stereo Mini Jack - Ext: RS232C(in/out), RJ45(in)	0.44mm(even)	
VHB-E	55"	1920x1080	700nit	1000:1	24/7	IP5x EMC Class B ISTA-3A	- In: DVI-D, DP1.2, HDMI 2.0(2), Stereo Mini Jack - Out: DP1.2(Loop-out), Stereo Mini Jack - Ext: RS232C(in/out), RJ45(in)	B2B:1.3mm(U/L), 0.44mm(R/B) A2A:1.75mm(U/L), 0.74mm(R/B)	
VMB-E	55"	1920x1080	500nit	1000:1	24/7	IP5x EMC Class B ISTA-3A	- In: DVI-D, DP1.2, HDMI 2.0(2), Stereo Mini Jack - Out: DP1.2(Loop-out), Stereo Mini Jack - Ext: RS232C(in/out), RJ45(in)	B2B:1.3mm(U/L), 0.44mm(R/B) A2A:1.75mm(U/L), 0.74mm(R/B)	
VMB-U	46",55"	1920x1080	500nit	1200:1	24/7	IP5x EMC Class A ISTA-6A	- In: DVD-D, DP1.2, HDMI2.0(2), Stereo Mini Jack, USB 2.0 - Out: DP1.2(Loop-out), Stereo Mini Jack - Ext: RS232C(in/out), RJ45(in)	2.25mm(U/L),1.25mm(R/B)	

#### Self-ordering kiosk

Model	Screen size	Resolution	Brightness	Contrast ratio	Operation hour	Touch type Connectivity		SoC	S/W
KMA	24"	1920x1080	250nit(w/o glass)	1000:1(w/o glass)	16/7	Capacitive	- In: HDMI1.4, USB - Out: Touch out - Ext: RS232C, RJ45	SSSP 6.0	Tizen 4.0 MaginINFO S6

#### **Business TV**

Model	Screen size	Resolution	Brightness	Contrast ratio	Operation hour	Certification Connectivity		SoC	S/W
BEA-H	43",50",55",65", 70",75",85"	3840x2160	250nit	4700:1	16/7 (Korea & Brazil : 8/7)	EMC Class B	-WiFi 5, Bluetooth, HDMI(3), HDCP1.4/2.2, USB(1), RJ45	SSSP 6.0	Tizen 4.0 MagicINFO S6

#### Promotional display

Model	Pixel pitch	Diode type	Brightness	Contrast ratio	Lifetime	Certification	Cabinet size	Weight	Service
XHB	P6, P8, P10, P16	Surface Mount Device(SMD:P6,P8,P10) Discrete lamp(DIP:P16)	8000nit	8000:1	100,000 hours	IP66 EMC Class A Safety 62368-1, 60950-1, UL48	690 x 1035 x 99.4 mm	23.8 kg	Front and rear
IEA	P1.5, P2.0, P2.5, P4.0	Surface Mount Device(SMD)	1000nit(P1.5,P2.0,P2.5) 800nit(P4.0)	6000:1(P1.5) 7500:1(P2.0) 5000:1(P2.5,P4.0)	100,000 hours	IP20 EMC Class A Safety 62368-1, 60950-1	960 x 540 x 79.5 mm	11.8 kg(P1.5) 12.4 kg(P2.0) 10.8 kg(P2.5, P4.0)	Front

#### Specialty

Model	Screen size	Resolution	Brightness	Contrast ratio	Operation hour	Certification	Connectivity	SoC	S/W
QBR	13"	1920x1080	300nit	800:1	16/7	IP5x EMC Class B ENERGY STAR 8.0 EPEAT	- In: HDMI1.4, HDCP2.2, USB 2.0 - Out: Stereo Mini Jack - Ext: RS232C(in), RJ45	SSSP 6.0	Tizen 4.0 MagicINFO S6
QBR-T	13"	1920x1080	250nit	600:1	16/7	IP5x EMC Class B ENERGY STAR 8.0 EPEAT	- In: HDMI1.4, HDCP 2.2, USB 2.0 - Out: Stereo Mini Jack, Touch out - Ext: RS232C(in), RJ45	SSSP 6.0	Tizen 4.0 MagicINFO S6
QBR-B	24"	1920x1080	250nit	1000:1	16/7	IP5x EMC Class B ENERGY STAR 8.0 EPEAT	- In: HDMI1.4, HDCP2.2, USB 2.0 - Out: Stereo Mini Jack - Ext: RS232C(in), RJ45	SSSP 6.0	Tizen 4.0 MagicINFO S6
QBR-TB	24"	1920x1080	250nit(w/o glass)	1000:1(w/o glass)	16/7	IP5x EMC Class B ENERGY STAR 8.0 EPEAT	- In: HDMI1.4, HDCP2.2, USB 2.0 - Out: Stereo Mini Jack, Touch out - Ext: RS232C(in), RJ45	SSSP 6.0	Tizen 4.0 MagicINFO S6
SHR-B	37"	1920x540	700nit	4000:1	24/7	EMC Class A Safety 60950-1	- In: DP1.2, HDMI 2.0(2), HDCP2.2, USB 2.0 - Out: HDMI 2.0, Stereo Mini Jack - Ext: RS232C(in/out), RJ45	SSSP 6.0	Tizen 4.0 MagicINFO S6

#### Management solution

Model	Screen size	Resolution	Brightness	Contrast ratio	Flat/curved	Aspect ratio	Connectivity
S80PB	27",32"	3840x2160	350nit	1000:1	Flat	16:9	USB-C 90W, HDMI 2.0(2), DP1.4, USB 3.0(3), LAN port, Headphone
S80UA	27"	3840x2160	300nit	1000:1	Flat	16:9	USB-C 90W, HDMI 2.0, DP1.2, USB 3.0(3), Headphone
S60UA	24", 27"	2560x1440	300nit	1000:1	Flat	16:9	USB-C 90W, HDMI1.4, DP1.2, USB 3.0(3), LAN Port, Headphone
S95UA	49"	5120x1440	350nit	3000:1	Curved(1800R)	32:9	USB-C 90W, HDMI 2.0(2), DP1.4, USB 3.0(3), LAN Port, Headphone
S65UA	34"	3440x1440	300nit	1000:1	Curved(1800R)	21:9	USB-C 90W, HDMI 2.0(1), DP1.2, USB 3.0(3), LAN Port, Headphone

16