

SAMSUNG'S COMPLETE LINE OF BUSINESS MONITORS

ELEGANT. EFFICIENT. EFFECTIVE.

ACCELERATE INTO THE FUTURE WITH  
THE LEADING DISPLAY TECHNOLOGY

**SAMSUNG**



Samsung Electronics Co., LTD.  
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<http://displaysolutions.samsung.com/business-monitor/all>

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**SAMSUNG**

# SAMSUNG STREAMLINES THE WORKDAY

Samsung continually stretches technology to stay ahead of industry competition, developing the most advanced and differentiated products that are specifically designed to increase productivity and efficiency.

Achieving this end, our newest creation, the CHG90, is the world's first 49" QLED curved business monitor with panoramic viewing.

As business practices evolve, Samsung will consistently deliver solutions with the newest technological advantages to support the needs of business partners.



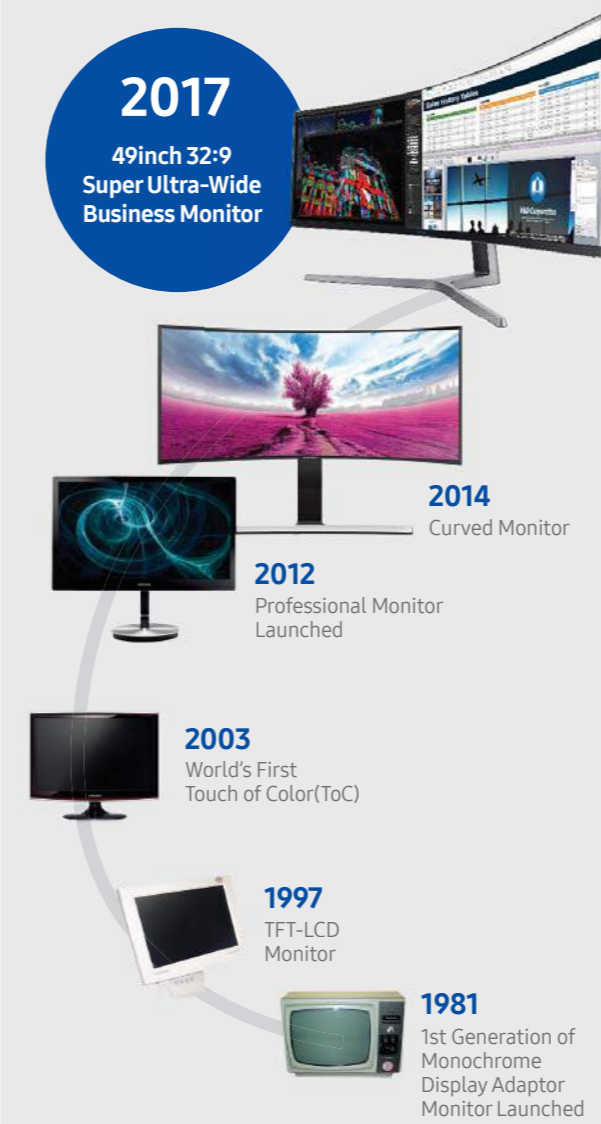
# GLOBAL DISPLAY LEADERSHIP



## DISPLAY SUPERIORITY IS IN OUR DNA

Samsung is the premier leader in display technology and is continually stretching technology further into the future. It is evident in our stunning screens with pristine images and the most realistic colors that are manufactured today.

## SAMSUNG LEADS TOMORROW BY HISTORY



## SAMSUNG BUSINESS MONITORS ARE RECOGNIZED FOR INNOVATION AND DESIGN BY SOME OF THE MOST RESPECTED VOICES



**2015 CES INNOVATION AWARD**  
- S34E790C  
- U32D970Q



**THE 5TH ANNUAL MASHABLE AWARD**  
- S34E790C



**2014 POP AWARDS**  
- U32D970Q



**2017 BEST MONITORS**  
- UE850 / SE790C / SD850 / UD970



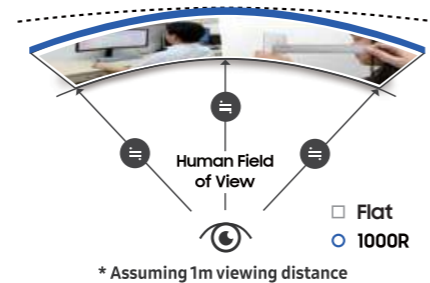
**2016 BEST MONITORS**  
- S32D850T / U32D970Q

# WHY SAMSUNG CURVED MONITORS FOR YOUR BUSINESS?

## PROVEN VIEWING COMFORT

### CLINICAL TEST BY HARVARD MEDICAL SCHOOL

A clinical study conducted at Harvard Medical School by Dr. Eli Peli, Professor of Medicine and Dr. Gang Luo, Assistant Professor of Medicine, concluded that users of curved monitors had reduced eye strain and blurred vision when performing nearly one hour of intensive visual tasks as compared to flat monitor users.



### STUDY FROM UNIVERSITY OF LEEDS

A study at the University of Leeds discovered that curved displays increased productivity through minimizing physical discomfort. Fewer head and neck movements are required to read information on curved displays. In addition, the natural curve offers a more private and immersive experience.

### TESTED AND PROVEN BY TUV RHEINLAND

Samsung Curved Monitor received TUV Rheinland validation. TUV Rheinland is a world renowned certification institute in Germany. The Samsung Curved Monitor reduced picture distortion and decreased eye discomfort.



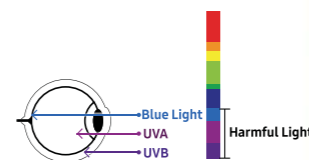
TUV RHEINLAND

## COMFORTABLE VIEWING EXPERIENCE

All Samsung curved monitors utilize Eye Saver Mode and Flicker Free technology to increase eye comfort.

### EYE SAVER MODE

Blue light wavelengths stimulate the retina more than any other color and causes eye fatigue. Eye Saver Mode eases eye discomfort by reducing blue light emissions.



### FLICKER FREE

Flicker Free technology reduces screen flickering for a more comfortable viewing experience.



Conventional Monitor Samsung Business Monitor

# FEATURING THE CJ89

## 49" QLED BUSINESS MONITOR FOR THE ULTIMATE MULTI-TASKING EXPERIENCE



### DISPLAY MORE DOCUMENTS AT ONCE

The CHG90 boasts of a 49" super ultra-wide curved panel with a 32:9 aspect ratio. The panoramic viewing surface can support a surprising number of open windows without the need to scroll or zoom.



### MULTITASK WITH MULTIPLE DEVICES

The Picture-by-Picture function simultaneously displays input from multiple devices with other onscreen projects while maintaining the original image quality. You can simply hook up your Galaxy S8/S8+ with the Samsung DEX Station to manage all your mobile content alongside other onscreen projects.



### MULTITASK SMARTER WITH EASY SETTING BOX S/W

Easy Setting Box S/W provides intuitive options to quickly and simply partition the screen into displays of various sizes and functional configurations for smarter multitasking.



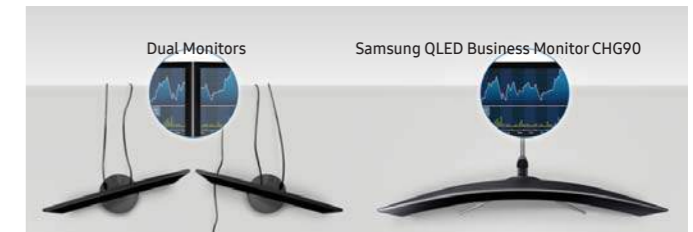
### ENHANCED SPEED AND FINE CONTROL

Demanding tasks are made easier with the ultra-fast response time and 144hz screen refresh rate. When working with photo and video files, these features allow smoother display and playback, and provide fine cursor control for greater accuracy.



### MULTIPLE INPUTS

Featuring DP, HDMI, USB and USB Type-C inputs, the CJ89 lets you connect almost any device you can imagine. And with built-in 7-watt stereo speakers, you can be sure that whatever you, your colleagues, or your clients bring to the table, your monitor is up to the task.



### NO DUAL-MONITOR INCONVENIENCES

Equivalent to two 27" monitors side by side, the CHG90's super ultra-wide panel eliminates the clutter and inconveniences of the traditional dual monitor setups.



### BUILT-IN KVM SWITCH

The built-in KVM switch lets you control two computers connected to the monitor using just one keyboard and mouse. Multitask more efficiently, increase productivity, and save desk space.



### FUNCTIONAL COMFORT FOR LONG HOURS OF WORK

Engineered to match the natural curvature of human eyes, the 1800R curved panel currently provides unmatched viewing comfort compared to traditional flat screens.



### INCREASED MOBILITY IN POSITIONING

It swivels, tilts, is height-adjustable, and compatible with VESA-standard monitor arms. The screen can be set in any position for individual or group use.



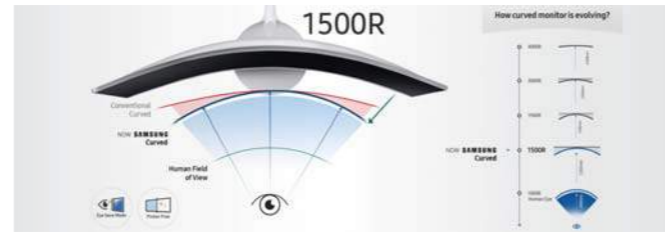
# THE CF791

34" ULTRAWIDE PREMIUM CURVED BUSINESS MONITOR FOR POWERFUL MULTI-TASKING AND GREATER VIEWING COMFORT



## EXTENSIVE MULTITASKING ON A SINGLE MONITOR

Extensive multitasking may be performed on the 21:9 ultra-wide screen with Samsung's Picture-by-Picture (PBP) function to connect with external devices and Picture-in-Picture (PIP) for superior image editing.



## CURVED FOR VIEWING COMFORT

Samsung's 1500R possesses the deepest curve on the market, engineered precisely to match the natural curvature of human eyes more closely than any other monitor. A study conducted by the Department of Ophthalmology at Seoul National University Hospital concluded that the deeper curve greatly reduced eyestrain in users as compared to flat or other less curved monitor users.



## INCREDIBLE IMAGE DETAIL AND WIDER WORKSPACE

Ultra WQHD possesses a 3440x1440 screen resolution, 2.5 times the pixel density of Full HD. Images are razor-sharp images and allows greater viewing capacity for large files such as spreadsheets.



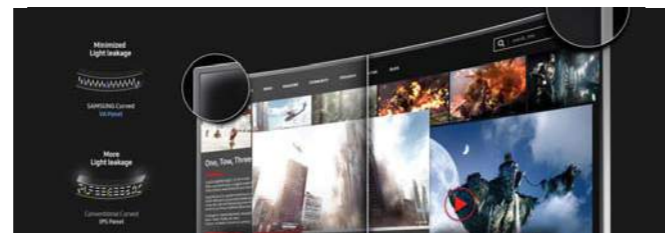
## TRUE TO LIFE COLORS

The Quantum Dot technology supports up to 125% sRGB color space and delivers colors that are brighter, crisper, and more natural than competitive products — particularly reds and greens.



## IMMERSIVE VIEWING EXPERIENCE

The 34" ultra-wide, deeply curved monitor provides an immersive widescreen viewing experience. The 1500R screen lets you enjoy the full cinematic beauty of movies and puts you right at the heart of gaming action.



## 3000:1 CONTRAST RATION WITH MINIMAL LIGHT LEAKAGE

Samsung's advanced VA panel technology minimizes light leakage across the entire screen, and delivers superior 3000:1 contrast ratio for deep blacks and brilliant whites.



## BUILT-IN SPEAKERS AND MULTIPLE PORTS

Dual 7-watt speakers are embedded into the display with 2 HDMI, DP, and 2 USB ports for high-performance multiple connection interface for PCs, game consoles, additional monitors, and other devices.



# THE CH89

34" ULTRAWIDE CURVED MONITOR IDEAL FOR MULTI-TASKERS



## ENHANCED VISUAL CLARITY AND DETAIL-ULTRA WQHD

The CH89 is a 34" curved, ultra-wide screen with resolution of 3440x1440—approximately 2.5 times the pixel density of Full HD—that delivers razor-sharp images. More details and panoptic views of internet pages and off line documents may be seen with less scrolling and zooming.

- Greater multi-tasking with a 34", 21:9 wide screen, PBP and easy setting box S/W
- Increased viewing comfort with industry-leading 1800R curvature
- Ergonomic design with HAS, Swivel and VESA-support



## CONVENIENT CONNECTIVITY - USB TYPE C

The new USB type C port enables you to transmit power and data, and DisplayPort signals to portable devices without cable connection.

# THE CH80

27" CURVED MONITOR FOR PROFESSIONAL NEEDS



## EXTEND AND DUPLICATE IMAGES

The 27" CH80's daisy chain feature allows extension and replication through multimonitor settings with a single DP cable connection. Onscreen content may be displayed on a second monitor with the same resolution making communication in conference settings much easier.

- Increased viewing comfort with industry-leading 1800R curvature
- Ergonomic design with HAS, Tilt, Swivel and VESA-support
- More convenient connectivity with the new USB type C



## INCREASE YOUR ERGONOMIC EFFICIENCY

It swivels, tilts, pivots, and is height-adjustable. VESA-supported, it can be installed on a wall or separate arms in any position—with ease for individual or group use.

# WHY SAMSUNG MONITORS FOR YOUR BUSINESS?

## HELPING BUSINESS GROW, NO MATTER THE BUSINESS

Samsung monitors offer leading-edge features and technology that make the workday faster, more accurate and more productive.



## USB TYPE C - CONVENIENT CONNECTIVITY



### ULTIMATE CONNECTIVITY WITH A SINGLE-CABLE

The USB type C port enables you to power, send data and even display signals between devices with just one connection. Its single connection architecture enables you to enjoy a work environment that is clutter-free as well as stress-free.

\* Disclaimer: Depending on your monitor and power requirements, it may not support charging; SH85 and CH60 support charging only for devices up to 45W. CH89 supports devices up to 65W.



### FREE UP USB 3.0 PORTS FOR OTHER USES

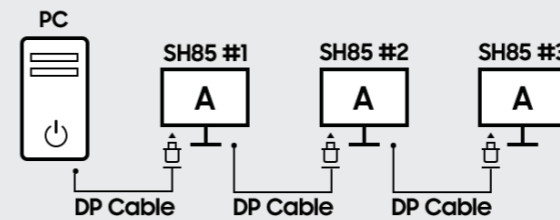
Besides a dedicated USB type-C port for PCs or any mobile devices, you can also use your USB 3.0 ports for multiple peripherals without needing extra hubs.



### EXTEND YOUR MOBILE DEVICE

Experience your Samsung S8 and Note 8 in a whole new way by connecting to a Samsung USB Type-C monitor without needing any hubs or apps. The larger screen will increase your enjoyment and productivity, especially when sharing with others at home or work.

## EXTEND AND DUPLICATE WITH DAISY CHAIN



Daisy chain function allows extension and replication in multi-monitor settings with just a single DP cable connection.

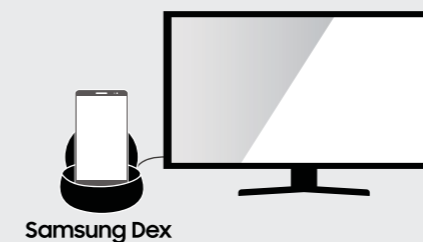
※ SH85 and CH80 support the daisy chain function.

## INCREASE YOUR ERGONOMIC EFFICIENCY



The advanced ergonomics allow you to maximize productivity in your professional work space conveniently and comfortably. Samsung's unique HAS design lets you adjust the monitor height to perfectly match your eye level. You can also pivot, swivel, tilt and VESA with ease, for quick adjusting and readjusting.

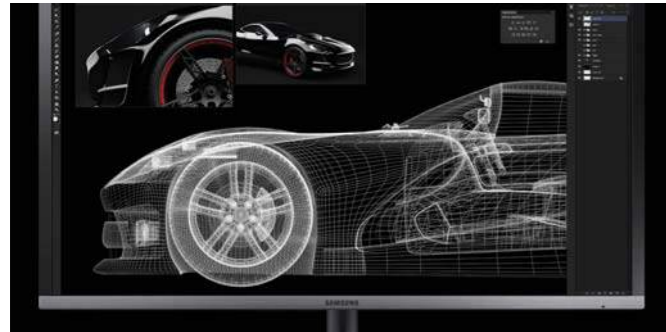
## MULTITASKING EFFICIENCY WITH THE DEX STATION



Simply hook up your Galaxy phone which supports the Samsung DEX Station function to manage all your mobile content and keep any eye on all your mobile calls, messages and more.

# THE UH85

32" UHD MONITOR WITH WIDER WORKSPACE AND LIFE-LIKE DETAILS



## ULTRA HIGH CLARITY

The 32" UH85 has a resolution 4 times higher than Full HD. More webpages, images and texts may be viewed in the most life-like detail with less scrolling and zooming.



## COLORFULLY EXPRESSIVE-QUANTUM DOTS IN 1B HUES

The UH85's infinitesimal quantum dots in 1 billion hues, particularly with enriched reds and greens, create images in vivid and wide-ranging colors to better meet professional needs especially in photo editing and graphic design.



## PBP DUAL-SCREEN FUNCTION

Samsung's Picture-by-Picture capabilities let you connect to two different devices at the same time while still maintaining the original image quality.



## PIP SUB-SCREEN DISPLAY

The Picture-in-Picture feature eliminates the need for multiple monitors and allows multitasking on a single screen. Second images may be resized to 25% of the screen and positioned anywhere.



## BUILT TO FIT YOUR BUSINESS SPACE

It swivels, tilts, pivots, and is height-adjustable, ready to meet the needs of any user scenario. VESA - supported, it can be installed on a wall or separate arms with ease.



## ULTRA HD BEAUTIFULLY DESIGNED

The UH85 is an ultra HD display is lithe with narrow bezels with a modern, height adjustable stand.

# THE SH85

WQHD BUSINESS MONITOR WITH BEZEL-LESS DESIGN



## CONSISTENT COLORS AT ANY VIEWING ANGLE

The SH85 is a PLS display, borderless on three sides, with pixel density approximately 1.7 times higher than Full HD, where images are crystal clear without color shift from any viewing angle.



## MERGE TWO MONITORS SEAMLESSLY

The bezel-less design allows seamless merging of two monitors to double the surface screen.

- Vivid, consistent colors through high-end PLS displays
- Advanced WQHD resolution (2560\*1440)
- Connect simply with the new USB type C port
- Greater multi-tasking with PBP and easy setting box S/W

# THE SH65

27" MONITOR FOR PROFESSIONAL NEEDS



## CONSISTENT COLORS WITH PLS PANEL TECHNOLOGY

The SH650 Series is a high-end PLS panel where images are crystal clear without color shift from any viewing angle.



## SMART COST SAVER

The SH650 Series features leading power saving modes including SMART Eco Saving, which automatically adjusts the brightness of the monitor based on the colors displayed, and the zero-watt consumption function that lowers power consumption to practically zero when the screen is turned off.

- Vivid, consistent colors through high-end PLS displays
- More natural viewing comfort with Eye Saver mode and Flicker Free
- Swivels, tilts, and pivots with height-adjustable stand
- Multi-connectivity with D-sub, DP, HDMI and USB ports



# USER SENARIO

## SAMSUNG MONITORS FOR EVERY BUSINESS WORKDAY



### FINANCE

Two CHG90's are able to replace six conventional monitors. The bezel-less design allows seamless merging and Easy Setting box S/W provides intuitive partitions for greater multi-tasking.



### MANUFACTURING

- Ultra-high resolution delivers incredibly detailed CAD/CAM models
- Rapid response time and AMD FreeSync deliver smooth animations and renders
- Bright displays and vibrant colors provide visual accuracy in a wide range of deployments



### GOVERNMENT

As a trusted provider of secure technology solutions to the government, Samsung delivers products will help your agency stay ahead while lowering costs, maintaining security but increasing efficiency.



### CORPORATE

- Curved monitors minimize eye fatigue and ergonomic features can enhance productivity
- Creates a more productive and streamlined work environment
- Energy-efficiency reduces heat for greater user comfort



### HEALTHCARE

Samsung's reliable and energy-efficient monitors communicate the latest up-to-date patient information to families, friends and medical staff.

- Samsung monitors are compliant with hospital enterprise applications such as Epic.
- Ultra-high resolution enables healthcare professionals to read X rays, CTs, MRIs, ultrasounds and other medical images



# SPECIFICATIONS

## Curved



MODEL		CH800	CH890
Display	Screen Size (Aspect Ratio)	27 (16:9)	34 (21:9)
	Flat / Curved	Curved (1800R)	Curved (1800R)
	Brightness (Typical)	250cd/m2	300cd/m2
	Contrast Ratio Static (Typical)	3000:1	3000:1
	Resolution	1920x1080	3440x1440
	Viewing Angle (H/V)	178°/178°	178°/178°
	Color Support	16.7M	16.7M
	sRGB Coverage	98%	95%
	Pixel Fault Class	Class I	Class I
	Response Time	5ms(GTG)	4ms(GTG)
Refresh Rate	60Hz	100Hz	
Features	Samsung MagicBright	●	●
	Samsung MagicUpscale	●	●
	Eye Saver Mode	●	●
	Flicker Free	●	●
	Picture-In-Picture		●
	Picture-By-Picture		●
	DP Daisy Chain (MST/SST)	●	
	Easy Setting Box Software	●	●
	Compatible OS	Windows, Mac	Windows, Mac
	Windows Certification	Windows10	Windows10
	FreeSync	●	●
	Smart Eco Saving	●	●
	0.00W off mode		●
Off Timer Plus	●	●	
Interface	D-Sub		●
	Display Port (1.2a)	●	●
	HDMI (1.4)	●	●
	Headphone	●	●
	Display Port Out	●	
	USB-C Port	●	●
Design	USB Hub	1Up, 3Dn(2.0x3ea)	1Up, 3Dn(2.0x2ea,3.0x1ea)
	Stand Type	HAS (135.0±5.0mm)	HAS (135.0 ± 5.0 mm)
	Tilt	-5.0°(±2.0°)~24.0°(±2.0°)	-5.0° (±2.0°) ~ +24.0° (±2.0°)
	Swivel	-30.0°(±2.0°)~30.0°(±2.0°)	-30.0° (-2.0°) ~ +30.0° (+2.0°)
	Pivot	-2.0°(±2.0°)~92.0°(±2.0°)	N/A
	Wall Mount	100x100	100x100
	Set Weight with Stand	6.0 kg	7.9 kg
Power	Set Dimension with Stand (WxHxD)	614.2 x 539.9 x 280.7 mm	811.4 x 538.9 x 298.6 mm
	Power Supply	AC 100~240V	AC 100~240V
	Power Consumption (Off Mode)	Less than 0.3 W	Less than 0.3 W
	USB-C Power Delivery	up to 45W	up to 65W
	Type	Internal Power	Internal Power
Certifications	CB / UL / CE / GS / TUV-Q		

MODEL		CJ89	CF791
Display	Screen Size (Aspect Ratio)	49 (32:9)	34 (21:9)
	Flat / Curved	Curved (1800R)	Curved (1500R)
	Brightness (Typical)	300cd/m2	300cd/m2
	Contrast Ratio Static (Typical)	3000:1	3000:1
	Resolution	3840x1080	3440x1440
	Viewing Angle (H/V)	178°/178°	178°/178°
	Color Support	16.7M	16.7M
	sRGB Coverage	99%	125%
	Pixel Fault Class	N/A	Class I
	Response Time	4ms(GTG)	4ms(GTG)
Refresh Rate	144Hz	100Hz	
Features	Samsung MagicBright	●	●
	Samsung MagicUpscale	●	●
	Eye Saver Mode	●	●
	Flicker Free	●	●
	Picture-In-Picture	●	●
	Picture-By-Picture	●	●
	DP Daisy Chain (MST/SST)	●	●
	Easy Setting Box Software	●	●
	Compatible OS	Windows, Mac	Windows, Mac
	Windows Certification	Windows10	Windows10
	FreeSync	●	●
	Smart Eco Saving	●	●
	0.00W off mode		●
Off Timer Plus	●	●	
Interface	D-Sub		●
	Display Port (1.2a)	●	●
	HDMI (1.4)	● (2.0)	2
	Headphone	●	●
	Display Port Out	●	
	USB-C Port	●	●
Design	USB Hub	1Up 3Dn (2.0x2ea, 3.0x1ea)	1Up, 2Dn(3.0x2ea)
	Stand Type	HAS (120.0 ± 5.0 mm)	HAS (100.0 ± 5.0 mm)
	Tilt	-2.0° (±2.0°) ~ +15.0° (±2.0°)	HAS UP : -14°(±4°) ~ 22°(±4°), HAS DOWN : -2°(±4°) ~ 34°(±4°)
	Swivel	-15.0° (-2.0°) ~ +15.0° (+2.0°)	N/A
	Pivot	N/A	N/A
	Wall Mount	100x100	100x100
	Set Weight with Stand	15.0 kg	7.6 kg
Power	Set Dimension with Stand (WxHxD)	1203.0 x 525.5 x 381.6 mm	808.7 x 516.0 x 309.4 mm
	Power Supply	AC 100~240V	AC 100~240V
	Power Consumption (Off Mode)	Less than 0.3 W	Less than 0.3 W
	USB-C Power Delivery	95W, 15W	-
	Type	Internal Power	Adapter
Certifications	CB / UL / CE / GS / TUV-Q		



# SPECIFICATIONS



## Standard

MODEL		UH85
Display	Screen Size (Aspect Ratio)	32 (16:9)
	Flat / Curved	Flat
	Brightness (Typical)	250cd/m2
	Contrast Ratio Static (Typical)	3000:1
	Resolution	3840 x 2160
	Viewing Angle (H/V)	178°/178°
	Color Support	1.07B
	sRGB Coverage	125%
	Pixel Fault Class	Class I
	Response Time	4ms(GTG)
Features	Refresh Rate	100Hz
	Samsung MagicBright	●
	Samsung MagicUpscale	●
	Eye Saver Mode	●
	Flicker Free	●
	Picture-In-Picture	●
	Picture-By-Picture	●
	DP Daisy Chain (MST/SST)	●
	Easy Setting Box Software	●
	Compatible OS	Windows, Mac
	Windows Certification	Windows10
	FreeSync	●
Interface	Smart Eco Saving	●
	0.00W off mode	●
	Off Timer Plus	●
	D-Sub	
	Display Port (1.2a)	●
	HDMI (1.4)	●
	Headphone	●
Design	Display Port Out	
	USB-C Port	
	USB Hub	1Up, 4Dn(3.0x4ea)
	Stand Type	HAS (135.0 ± 5.0 mm)
	Tilt	-5.0° (±2.0°) ~ +24.0° (±2.0°)
	Swivel	-30.0° (-2.0°) ~ +30.0° (+2.0°)
	Pivot	-2.0°(±2.0°)~92.0°(±2.0°)
	Wall Mount	100x100
Power	Set Weight with Stand	8.8 kg
	Set Dimension with Stand (WxHxD)	731.1 × 428.1 × 78.9 mm
	Power Supply	AC 100~240V
	Power Consumption (Off Mode)	Less than 0.3 W
Certifications	USB-C Power Delivery	-
	Type	Internal Power
		EnergyStar, EPEAT(Silver) CB / UL / CE / GS / TUV-Q

SH85	SH65
24 / 27 (16:9) ※ Specifications may vary for each screen size.	24 / 27 (16:9) , 24W (16:10) ※ Specifications may vary for each screen size.
Flat	Flat
350cd/m2	250cd/m2
1000:1	1000:1
2560x1440	1920x1080
178°/178°	178°/178°
1.07B	16.7M
N/A	93%
Class I	Class I
60Hz	60Hz
●	●
●	●
●	●
●	●
●	●
●	●
●	●
●	●
Windows, Mac	Windows, Mac
Windows10	Windows10
●	●
●	●
●	●
●	●
●	●
●	●
●	●
●	●
1Up, 3Dn(2.0x3ea)	1Up, 2Dn(2.0x2ea)
HAS (135.0 ± 5.0 mm)	HAS (135.0 ± 5.0 mm)
-5.0° (±2.0°) ~ +24.0° (±2.0°)	-5.0° (±2.0°) ~ +24.0° (±2.0°)
-30.0° (-2.0°) ~ +30.0° (+2.0°)	-45.0° (-2.0°) ~ +45.0° (+2.0°)
N/A	-2.0°(±2.0°)~92.0°(±2.0°)
100x100	100x100
7.9 kg	6.9 kg
811.4 x 538.9 x 298.6 mm	629.8 x 549.6 x 236.0 mm
AC 100~240V	AC 100~240V
Less than 0.3 W	Less than 0.005 W(OW mode)
up to 45W	-
Internal Power	Internal Power
CB / UL / CE / GS / TUV-Q	EnergyStar, TCO, EPEAT(Silver) CB / UL / CE / GS / TUV-Q