Presenting a premium experience for developers.

CHG70 Series Gaming and Video Monitors

For high-level game development, video creation or any professional who works with fast-moving content, the CHG70 Series is a superior solution. The curved VA Panel, QHD resolution, 600-nit ultra-brightness, Quantum Dot technology, HDR, 1.07B colors and factory calibration all contribute to stunning, detailed, lifelike images. Game play, video and general content movement are fast and smooth due to 1ms response rate, 144hz refresh rate and AMD FreeSync 2. Game Modes, Black Equalizer, Low Input Lag Mode, a gaming user interface and Arena Lighting all optimize the gaming and video experience, for more detailed and accurate content development.

Key Features

Ultra-Curved VA Panel, QHD Resolution, 600 Nits
With an 1800mm-radius, super-curved VA panel, the distance from screen to eye is more uniform, resulting in less eye fatigue. QHD resolution and 600 nits brightness deliver stunning picture quality.

Quantum Dot (Q-LED) Panel, sRGB and 1.07B Colors
Quantum Dot technology supports up to 125% sRGB color space and 1.07B colors, for brighter and crisper images, with more natural reds and greens. And every monitor is factory-calibrated for extreme accuracy.

High Dynamic Range (HDR) and 3,000:1 Contrast Ratio
HDR provides a higher level of contrast between light and dark images. Combined with a best-in-class 3000:1 contrast ratio, bright colors share the screen with deep shadows and silhouettes.

144hz Refresh Rate, 1ms Response Time, FreeSync 2
Advanced technologies work together to deliver a smooth and crisp presentation of fast-moving content, help eliminate blurring, ghosting and juddering, and reduce lag for gaming and video content.

Game Modes, Black Equalizer and Low Input Lag Mode
Black gamma, sharpness, contrast and color tune are customizable with 4 different Game Modes (FPS, RPG, RTS, AOS). Samsung Black Equalizer has 20 different dark level values, and Low Input Mode maximizes keyboard and mouse response times.

Gaming User Interface and Arena Lighting
Equipped with a modern gaming GUI with a 5-way joystick and 3 hot keys to save game settings. Audio-aligned Arena Lighting, located at the back of the monitor, adds to the thrill of gaming.

Dual Hinge Stand, Easy on the Eyes, VESA
The dual-hinge stand swivels, tilts, pivots and is height-adjustable. Eye strain is reduced with Flicker Free technology send Eye Saver mode. And VESA compatibility makes installation on a wall or mounting arm easy.
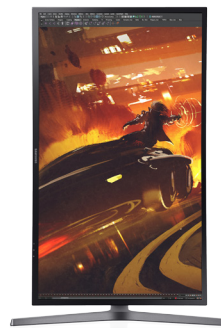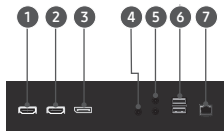
Contact Us: samsung.com/b2bmonitors

Samsung CHG70 Series
Desktop Monitors

		C27HG70QQN	C32HG70QQN
Display	Screen Size (cm / Inch / Class)	68.4 / 26.9" / 27	80.0 / 31.5" / 32
	Type	Curved	Curved
	Active Display Size (H x V)	596.736 (H) mm x 335.664 (V) mm	697.344 (H) mm x 392.256 (V) mm
	Screen Curvature	1800R	1800R
	Aspect Ratio	16:9	16:9
	Panel Type	VA	VA
	Peak Brightness	600 nits	600 nits
	Brightness (Typical / Min)	350 nits / 300 nits	350 nits / 300 nits
	Contrast Ratio Static (Typical / Min)	3000:1 / 2400:1	3000:1 / 2400:1
	Dynamic Contrast Ratio	Mega	Mega
	Resolution	QHD 2560 x 1440	QHD 2560 x 1440
	Response Time	1 (MPRT) ms	1 (MPRT) ms
	Viewing Angle (H/V)	178° / 178°	178° / 178°
	Color Support	1.07B	1.07B
	Color Gamut (NTSC 1976) (Typical / Min)	88% / 84%	88% / 84%
	sRGB Coverage (Typical / Min)	125% / 120%	125% / 120%
	Adobe RGB Coverage (Typical / Min)	92% / 88%	92% / 88%
	Refresh Rate	144Hz	144Hz
Features	Eye Saver Mode	Yes	Yes
	Flicker Free	Yes	Yes
	Quantum Dot Color	Yes	Yes
	HDR (High Dynamic Range)	Yes	Yes
	USB Super Charging	Yes	Yes
	Easy Setting Box Software	Yes	Yes
	Windows Certification	Windows 10	Windows 10
	AMD FreeSync	Yes	Yes
	Black Equalizer	Yes	Yes
Interface	DisplayPort (1.2a)	1	1
	HDMI (1.4)	2	2
	Headphone	1	1
	USB Hub	1	1
Operating Conditions	Temperature	10 ~ 40°C	10 ~ 40°C
	Humidity	10 ~ 80% (Non-Condensing)	10 ~ 80% (Non-Condensing)
Calibration	Factory Tunning	Yes	Yes
	Factory Calibration Report	Yes	Yes
Design	Color	Dark Blue Gray (Matt)	Dark Blue Gray (Matt)
	Stand Type	Dual Hinge	Dual Hinge
	HAS (Height Adjustable Stand)	145.0 mm (±5.0 mm)	145.0 mm (±5.0 mm)
	Tilt	-5.0° (±2.0°) ~ +15.0° (±2.0°)	-5.0° (±2.0°) ~ +15.0° (±2.0°)
	Swivel	-15.0° (±2.0°) ~ +15.0° (±2.0°)	-15.0° (±2.0°) ~ +15.0° (±2.0°)
	Pivot	-2.0° (±2.0°) ~ +92.0° (±2.0°)	-2.0° (±2.0°) ~ +92.0° (±2.0°)
	Wall Mount, VESA	100 x 100	100 x 100
Power	Power Supply	AC 100~240V	AC 100~240V
	Power Consumption (Max)	100 W	78 W
	Power Consumption (DPMS)	< 0.5 W	< 0.5 W
	Power Consumption (Off Mode / Standby)	< 0.5 W	< 0.3 W
	Type	External Adaptor	Internal Power
Dimensions	Set Dimension with Stand (W x H x D)	24.6" x 21.9" x 15.4"	28.5" x 24.5" x 15"
	Set Dimension without Stand (W x H x D)	24.6" x 14.5" x 3.7"	28.5" x 16.7" x 4.6"
	Package Dimension (W x H x D)	27.4" x 8.5" x 18.4"	32.1" x 9.3" x 20.3"
Weight	Set Weight with Stand	13.9 lbs	21.2 lbs
	Set Weight without Stand	10.1 lbs	17.6 lbs
	Package Weight	21.2 lbs	31.1 lbs
Accessories	Power Cable Length	1.5 m	1.5 m
	HDMI Cable	1.5 m	1.5 m
	DP Cable	1.5 m	1.5 m
	Install CD	Yes	Yes
	Quick Setup Guide	Yes	Yes
Warranty	Warranty	1 Year	1 Year

Connectivity

1. HDMI 1
2. HDMI 2
3. DisplayPort In
4. Headphone
5. Mic In / Mic Out
6. USB 1 / USB 2
7. PC In

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