



## **Redefining the Game: Samsung Introduces First HDR QLED Gaming Monitors**

*World's Largest Ultra-Wide CHG90 49-inch Monitor Delivers Exceptional Visuals and Immersive Gameplay*

**Seoul, Korea – June 9, 2017** – Samsung Electronics Co., Ltd. today introduced the future of gaming with the unveiling of its new CHG90 and CHG70 curved monitors, which feature the powerful High Dynamic Range (HDR) picture enhancement technology typically reserved for televisions. When combined with the CHG90's ultra-wide design and the CHG70's quantum dot composition, this HDR integration produces a realistic, detailed picture that showcases games exactly as developers intended, and dramatically improves gameplay with crisper colors and sharper contrast.

"Gamers want to feel completely immersed in their favorite games, and our new monitors provide the most stunning visuals and realistic content to deliver the ultimate gaming experience", said Seog-gi Kim, Executive Vice President, Enterprise Business at Samsung Electronics. "These QLED gaming monitors are the gateway to the future of gaming for casual, enthusiastic and competitive gamers alike, and we're looking forward to building upon these game-changing technologies to further meet the needs of gamers, developers and partners in the coming years."

### **A More Vivid and Detailed Gaming Environment**

The QLED quantum dot technology delivers a new metal core and supports both approximately 125 percent of the sRGB color spectrum and 95 percent of the Digital Cinema Initiatives (DCI-P3) motion picture standard to deliver an exceptionally wide color range.

Samsung's CHG90 sets the new visual standard for gaming displays by projecting a 32:9 aspect ratio and 3,840x1,080 double full HD (DFHD) resolution across a 49-inch screen. The CHG90 literally extends the playing field for gamers, with its broad design surpassing industry standards while simultaneously representing the widest monitor in the company's gaming portfolio. The monitor delivers stunning 1,800R curvature and an ultra-wide 178-degree viewing angle, maintaining content visibility from any location within a given space. As a result, gamers no longer have to worry about the logistics, expenses and central bezel interference that occur when combining multiple smaller monitors together for an expanded view.

Ideal for first-person shooting, racing, flight simulation and action-heavy games, the CHG90 aligns an accelerated refresh rate (144Hz) and 1ms motion picture response time (MPRT) with advanced, four-channel scanning technology to deter motion blur and produce a more consistent picture across the entire screen.

### **Gaming at the Next Level**

Available in 27- and 31.5-inch variations, The CHG70 integrates HDR and quantum dot technologies, with a 144Hz refresh rate further helping to bring out the best in gaming content. This combination offers gamers a viewing arena that is brighter (600nit peak brightness), clearer (2,560x1,440 WQHD resolution) and more luminous, and which brings the slightest visual nuances to the forefront in extremely light or dark environments.

The CHG90 and CHG70 arrive as the first Samsung gaming monitors to feature AMD's new Radeon FreeSync™ 2 technology. This frontline functionality eliminates the stuttering and tearing that often disrupt gameplay to drive seamless frame transitions. Likewise, Radeon FreeSync™ 2 supports a wide color gamut to showcase HDR content with twice the perceivable brightness and color than that offered by the sRGB standard. As a result, users can enjoy a smooth, low-latency plug-and-play HDR gaming experience without having to frequently readjust software or monitor settings.

"We're incredibly proud of how far Radeon FreeSync™ technology has come in the past two years, with well over 150 displays now shipping in the market," said Scott Herkelman, Corporate Vice President and General Manager, Gaming, Radeon Technologies Group, AMD. "We applaud Samsung Electronics for launching the first FreeSync 2-capable displays, and believe these gorgeous monitors should be on every gaming enthusiast's must-have list."

### **Expanding Strategic Partnerships**

As Samsung's latest gaming monitors prepare to hit the market, the company continues to expand their usability and prepare the wider gaming industry for HDR content. In strategic partnership with the EA studio DICE and Ghost Games, the CHG90 and CHG70 have undergone rigorous tuning to ensure optimal HDR picture quality.

"We're delighted to work closely with Samsung's monitor team to optimize the CHG90 and CHG70 monitors for our games, which is vital so that our new game title "Star Wars™ Battlefront II™" which will be released later in the year can be mirrored on these HDR monitors the way our game developers intended" said Oskar Gabrielson, General Manager of DICE.

"Here at Ghost Games, we always look at the latest technology that helps present Need for Speed™ in the best way possible and constantly look to push the boundaries. Technologies like HDR enable us to deliver an ever-greater emotional and immersive experience for our players. Samsung's HDR monitors allow Need for Speed™ Payback to be exactly that" said Marcus Nilsson, Executive Producer at Ghost Games.

Additionally, both monitors recently received HDR compatibility validation with Nvidia's graphics cards, ensuring they can clearly showcase a wider range of HDR-based gaming titles and PC devices.

Even prior to their widespread launch, the CHG90 and CHG70 have already earned industry recognition as leaders in the monitor product category. Last month, the Industrial Designers Society of America acknowledged both monitors as part of its annual IDEA Awards, which commemorate technologies for design innovation that improves both the economy and overall quality of life. The CHG90 received a Bronze prize in the program's Consumer Technology category, with the CHG70 likewise garnering a Finalist nomination in the same group.

### **2017 Samsung Gaming Monitor Specifications**

Attribute		CHG90	CHG70	
		C49HG90	C27HG70	C32HG70
Display	Screen Size	49"	27"	31.5"
	Aspect Ratio	32:9	16:9	16:9
	Panel Type	VA Curved	VA Curved	VA Curved
	Resolution	3840 X 1080	2560 x 1440	2560 x 1440

	Response Time	1ms(MPRT)	1ms(MPRT)	1ms(MPRT)
	Curvature	1800R	1800R	1800R
	Viewing Angle (H/V)	178°(H)/178°(V)	178°(H)/178°(V)	178°(H)/178°(V)
	Color Support	1.07B	1.07B	1.07B
	Nano Crystal	Quantum Dot	Quantum Dot	Quantum Dot
	sRGB Coverage	Typ 125%	Typ 125%	Typ 125%
	DCI-P3 Coverage	Typ 95%	Typ 95%	Typ 95%
	Refresh Rate	144Hz	144Hz	144Hz
	Eye Saver Mode	Yes	Yes	Yes
	Flicker Free	Yes	Yes	Yes
	Game Color Mode (FPS, RTS, etc)	Yes	Yes	Yes
	FreeSync	Yes	Yes	Yes
Interface	Display Port	1 EA	1 EA	1 EA
	Mini-Display Port	1 EA	N/A	N/A
	HDMI	2 EA	2 EA	2 EA
	Audio In	Yes	Yes	Yes
	Headphone	Yes	Yes	Yes
	USB Hub	3.0 (1UP 2DOWN)	3.0 (1UP 2DOWN)	3.0 (1UP 2DOWN)
	Color	Dark Blue Black(Matt)	Dark Blue Black(Matt)	Dark Blue Black(Matt)
	Stand Type	HAS	Dual Hinge	Dual Hinge
	HAS(Height Adjustable Stand)	Yes	Yes	Yes
Design	Tilt	Yes	Yes	Yes
	Swivel	Yes	Yes	Yes
	Pivot	No	Yes	Yes
	Wall Mount	Yes	Yes	Yes

### **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 and LED solutions. For the latest news, please visit the Samsung Newsroom at <http://news.samsung.com>.

### **About AMD**

For more than 45 years AMD has driven innovation in high-performance computing, graphics, and visualization technologies — the building blocks for gaming, immersive platforms, and the datacenter. Hundreds of millions of consumers, leading Fortune 500 businesses, and cutting-edge scientific research facilities around the world rely on AMD technology daily to improve how they live, work, and play. AMD employees around the world are focused on building great products that push the boundaries of what is

possible. For more information about how AMD is enabling today and inspiring tomorrow, visit the AMD (NASDAQ: AMD) [website](#), [blog](#), [Facebook](#) and [Twitter](#) pages.

### **About EA DICE**

Electronic Arts (NASDAQ: EA) is a global leader in digital interactive entertainment. The Company delivers games, content and online services for Internet-connected consoles, personal computers, mobile phones and tablets. EA has more than 300 million registered players around the world.

In fiscal year 2017, EA posted GAAP net revenue of \$4.8 billion. Headquartered in Redwood City, California, EA is recognized for a portfolio of critically acclaimed, high-quality blockbuster brands such as The Sims™, Madden NFL, EA SPORTS™ FIFA, Battlefield™, Need for Speed™, Dragon Age™ and Plants vs. Zombies™. More information about EA is available at [www.ea.com/news](http://www.ea.com/news).

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