



Odyssey Ark

Odyssey Ark 2nd Gen.

LS55CG970NNXGO

A new frontier in gaming.

The second generation of Samsung's Odyssey Ark has enhanced Multi View, now with up to 4 inputs at once, including an all-new Display Port 1.4 connection. The 55" rotating screen with 1000R curvature enables maximum immersion, featuring 4K UHD resolution with 165Hz and 1ms response time for hyper-fast action. With added KVM Switch you have full control of your command center with a single mouse and keyboard. Cockpit Mode and Eclipse Lighting optimizes screen environment and Sound Dome Technology provides an engulfing soundscape. Gaming Hub and Smart TV apps allow instant access to top streaming services. The solar-powered Ark Dial controls all functions including Flex Move Screen, Quick Settings, and Game Bar. Featuring Quantum Matrix Technology, Neural Quantum Processor Ultra, AMD FreeSync™ Premium Pro and HDR10+ Gaming for a competitive edge.

Key features



Upgrade your multitasking with more inputs

A whole new way to view. With the upgraded Multi View, connect and see up to 4 different inputs at once, including the addition of all new Display Port. You can even play console and PC games at the same time. Focus on your games while you connect with friends and look up the best strategies all on one screen, while keeping your desk free from wires and clutter.



Overwhelm your senses

Be immersed in lifelike images. The 55-inch screen delivers a picture that overwhelms your senses, creating an adrenaline-fueled experience superior to anything seen before. This is upgraded by 1000R curvature to wrap around your field of vision for maximum immersion.



Incredible 4k gaming refresh rates

Conquer every enemy, even at extreme speed. 165Hz refresh rate eliminates lag for exhilarating gameplay with ultra-smooth action. Identify enemies with elite precision with a 1ms response time, precise mouse movements, and blur-free frames, with minimized ghosting.



Enter a new era of immersion

Revolutionary Quantum Matrix Technology with Quantum Mini LEDs creates controlled brightness and perfect contrast for refined definition. The advanced 14-bit back light unit allows detailed HDR control which creates unmatched picture quality.



Multiple inputs, one control station with KVM Switch

Your command center gives you full control. Use multiple PCs and built-in apps on the Odyssey Ark with a single mouse and keyboard. Move your mouse across all your connected devices' displays on one screen to control a different device in a snap.

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Display	Screen Size (Class)	55
	Flat / Curved	Curved
	Active Display Size (HxV) (in.)	47.6 (H) x 26.8 (V)
	Screen Curvature	1000R
	Aspect Ratio	16:09
	Panel Type	VA
	Brightness (Typical)	600 cd/m ²
	Brightness (Min)	420 cd/m ²
	Contrast Ratio (Static)	1,000,000:1 (Static)
	Contrast Ratio (Dynamic)	Mega DCR
	HDR(High Dynamic Range)	Quantum HDR 32x
	HDR10+	HDR10+ Gaming
	Mini LED Local Dimming	Yes (1,056 zones)
	Resolution	3,840 x 2,160
	Response Time (ms)	1ms(GtG)
	Viewing Angle (H/V)	178°(H)/178°(V)
	Color Support	Max 1B
	Color Gamut (DCI Coverage)	95%(Typ.)
	Frame Rate	Max 165Hz
	Eye Saver Mode	Yes
	Flicker Free	Yes
	Quantum Dot Color	Yes
	Game Mode	Yes
	Image Size	Yes
	Windows Certification	Windows 10
	FreeSync	FreeSync Premium Pro
Off Timer Plus	Yes	
Virtual AIM Point	Yes	
Game Bar	Yes	
Gaming Hub	Yes (KR, US, CA, BR, GB, FR, DE, IT, ES)	
HDMI-CEC	Yes	
Adaptive Picture	Yes	
Super Ultrawide GameView	Yes	
KVM Switch	Yes	
Smart Service	Smart Type	Smart
	Operating System	Tizen™
	Bixby	US English, UK English, India English, Korean, French, German, Italian, Spanish, BR Portuguese (features vary by language)
	Built-in Voice Assistant	Alexa
	TV Plus	Yes
	Universal Guide	Yes (US only)
	Video Communication	Yes
	Web Service	Microsoft 365
	SmartThings Hub	Yes
	Multi Device Experience	Mobile to Screen, Screen initiate mirroring, Screen Sound to Mobile, Sound Mirroring, Wireless On
	Wireless DeX	Yes
	My Contents	Yes
	Multi View	Yes
	Smart Calibration	Basic
	NFT	Nifty Gateway
	Tap View	Yes
	Workspace	Yes
Interface	Wireless Display	Yes
	Display Port	1 EA
	Display Port Version	1.4
	HDCP Version (DP)	2.2
	HDMI	3 EA
	HDMI Version	2.1x2, 2.0x1
	HDCP Version (HDMI)	2.2
	Headphone	Yes
	USB Ports	2
	USB Hub Version	2
Audio	Ethernet (LAN)	1 EA
	WiFi	Yes (WiFi5)
	Bluetooth	Yes (5.2)
Operation Conditions	Speaker	Yes
	Speaker Output	60W
	Adaptive Sound	Yes
Calibration	Temperature	0°C~40°C (32 F ~ 104 F)
	Humidity	10%~80%, Non-Condensing %
Design	Factory Tuning	Yes
	Color Mode	Eco/Standard/Dynamic/Movie/Graphic/Entertain/Filmmaker Mode
Power	Factory Calibration Report	Yes
	Front Color	Black
	Rear Color	Black
	Stand Color	Black
	Stand Type	HAS PIVOT
	HAS (Height Adjustable Stand)	Landscape: 0~270mm (±5mm), 0~10.6 in. (±0.2 Inches) Portrait: 0~30mm (±5mm), 0~1.2 in. (±0.2 Inches) Landscape: -10°(±2°)~10°(±2°), Portrait: -13°(±2°)~10°(±2°)
Weight	Tilt	-90°(±2°)~90°(±2°)
	Pivot	200 x 200
Dimension	Power Supply	AC100~240V 50/60Hz
	Power Consumption (Max)	140 W
Accessory	Type	Internal Power
	Set Dimension with Stand (WxHxD)	1174.8 x 1102 x 379 mm / 46.3 x 43.4 x 15 in.
	Set Dimension without Stand (WxHxD)	1174.8 x 704.8 x 251.8 mm / 46.3 x 27.8 x 9.9 in.
Certification and Compliance	Package Dimension (WxHxD)	1362 x 922 x 317 mm / 53.6 x 36.3 x 12.5 in.
	Set Weight with Stand	41.5 kg / 91.5 lbs.
Accessory	Set Weight without Stand	21.1 kg / 46.5 lbs.
	Package Weight	57.1 kg / 125.9 lbs.
Accessory	Power Cable Length	1.5 m
	HDMI Cable	Yes
Accessory	Remote Controller	Yes
	UL Glare Free	Yes

Front view



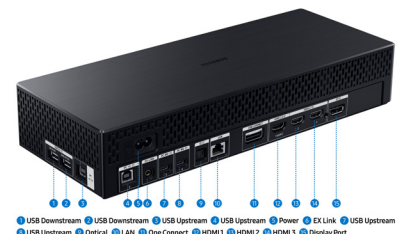
Back view



Side view



Connectivity



● USB Downstream ● USB Downstream ● USB Upstream ● USB Upstream ● Power ● eX Link ● USB Upstream
● USB Upstream ● Optical ● LAN ● One Connect ● HDMI 1 ● HDMI 2 ● HDMI 1 ● Display Port