

# Ultra HD 4K Monitor 27MU58-B

27" class (27" Diag)

## 4K UHD IPS

The breathtaking clarity and fine details of 4K UHD will amaze, even when viewed up close thanks 8.3 million pixels on a screen with resolution of 3840 x 2160. That's four times the resolution of Full HD.



Images on screen are simulated



## KEY FEATURES

### IPS ON 4K

- IPS on 4K minimizes color shift and delivers detailed, accurate images and consistent colors from edge-to-edge and from virtually any angle.

### FREE SYNC

- With FreeSync\*, power users can experience seamless, fluid movement throughout hi-res, fast-paced games.

\*FreeSync is only available when the display is connected to Display Port.

### UL VALIDATED INPUT LAG

- DAS mode is classified in the top class of three lag classifications according to TFT Central, helping lag with graphic-heavy applications.

### BLACK STABILIZER

- Black Stabilizer allows designers to have better visibility, revealing superior detail in very dark or very light scenes.

### HDMI 4K@60HZ

- 4K@60hz thru HDMI interface provides users can fully enjoy the next generation game without any display lag.

## SPECIFICATIONS

**Native Display Resolution:** 3840 x 2160

**Contrast Ratio:** 1000:1

**5MS (G to G) Response Time**

**Vesa™ Compliant Wall Mountable**

**3-Year Limited Warranty:** Parts/Labor/Backlight



ULTRA HD 4K ON AN IPS DISPLAY



When IPS meets 4K, the result is even more amazing than they are on their own. The 27MU58-B's Ultra HD IPS Display offers much better color reproduction compared to TN panels, providing incredible viewing angles and great color consistency over the entire screen. With a 4K IPS monitor, designers can enjoy seamless viewing for an ultimate immersive gaming experience. Furthermore, the 27MU58-B in 3840x2160 Ultra HD resolution provides increased clarity, sharper texture, more details, and a large amount of on-screen "real estate" for viewing multiple applications at one time.



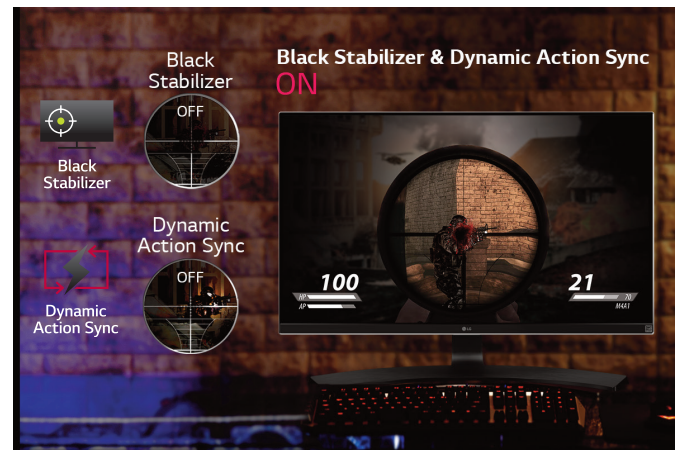
Freesync TECHNOLOGY

The 27MU58-B features built-in FreeSync\* Technology. FreeSync technology by AMD eliminates the tearing that can occur in videos, games and applications with the highest visual settings, caused by the difference between a graphic card's frame rate and a monitor's refresh rate. FreeSync eliminates tearing and stuttering that can occur because of differences between a graphic card's frame rate and a monitor's refresh rate.



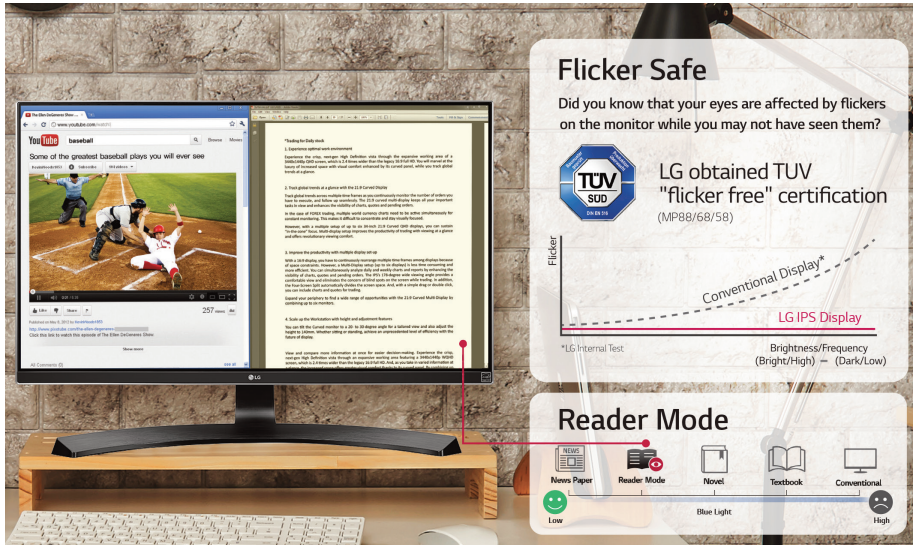
BLACK STABILIZER

The Black Stabilizer allows designers to have better visibility, even in deep-dark scenes or too-light scenes. It lets you have better strategy by enabling you to see if there is an enemy or object waiting to interrupt you in the darkest area. Plus, there is no more worry when facing a bright area, such as a flash bang attack; the Black Stabilizer effect minimizes visually-compromised areas on the screen during the flash bang.





Flicker Safe AND READER MODES



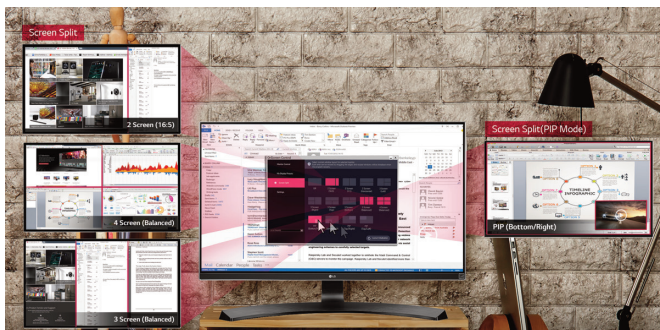
Did you know that your eyes are affected by flickers on the monitor while you may not have seen them? Over time, working, gaming and movie viewing can cause eye strain and fatigue. But, Flicker Safe and Reader Mode help maximize visual comfort by protecting your eyes from harmful blue light and reducing the flicker level to almost zero.



CUSTOMIZED WORKSPACES FOR MULTITASKING

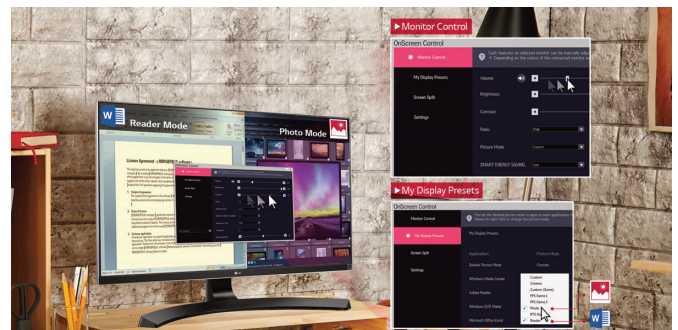
Screen Split\* divides the display into multiple sections for different tasks by resizing the windows on the screen. Its advanced options have expanded to include 4 types of Picture-in-Picture(PIP) Mode among 14 options. With PIP Mode you can work on the main screen while watching a video in a smaller window floating on the screen.

\*Screen Split software runs on Windows Vista/7/8 and Mac OS



ON-SCREEN CONTROL

OnScreen Control allows you to modify your screen configuration by a few clicks without forcing physical buttons built in monitor. My Display Presets offers customized picture mode for specific software. It has automatically applied to picture mode you already preset. You don't need to select the picture mode each time.



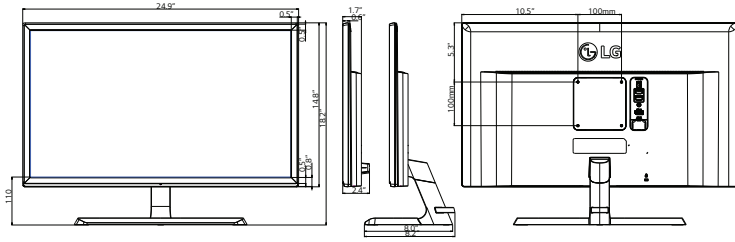


# Ultra HD 4K Monitor

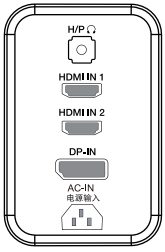
## 27MU58-B

27" class (27" Diag)

27MU58-B



Jack Panel



PANEL	Model	27MU58-B
	Size (Inch)	27
	Panel Type	IPS
	Color Gamut (CIE1931)	NTSC 72%
	Color Depth (Number of Colors)	10bit (8bit + A-FRC)
	Pixel Pitch (mm)	0.1554mm x 0.1554mm
	Aspect Ratio	16:9
	Resolution	3840x2160
	Brightness (Typ.)	250nits
	Contrast Ratio (Original) (DFC)	1000:1
	(GTG)	Mega, On/Off
		5ms
	Viewing Angle (CR≥10)	178/178
	Surface Treatment (Glare/non Glare)	Anti-Glare 3H
JACK INPUT / OUTPUT	HDMI	Yes x2 (ver 2.0)
	DisplayPort	Yes (x1, ver 1.2)
	[ Jack Location ]	Rear
	Headphone Out	Yes
	[ Jack Location ]	Rear
POWER	Type	Built-in Power (40W)
	Input	100-240Vac, 50/60Hz
	Normal On (EPA Typ.)	29.5W
	Normal On (Factory out Condition Typ.)	37W
	Power Save/Sleep Mode (Max)	0.5W
	DC Off (Max)	0.3W
FREQUENCY	H-Frequency (HDMI)	30kHz - 135kHz
	V-Frequency (HDMI)	56Hz - 61Hz
	H-Frequency (DP)	30kHz - 135kHz
	V-Frequency (DP)	56Hz - 61Hz
	FreeSync V-Frequency Range (DP)	Basic : 48-60Hz / Extended : 40-60Hz Only DisplayPort
RESOLUTION	HDMI	3840x2160@60Hz
	DP	3840x2160@60Hz
	HDMI	3840x2160@60Hz (Ver 2.0)

CONTROL KEY	Model	27MU58-B	
	Key Number (Power Key Included)	1 Joystick	
	Key Type	Joystick	
	LED Color(On mode)	White	
	LED Color(Power save mode)	White Blinking	
	[ Key Location ]	Bottom of Back cover	
LANGUAGE	Country	English, Germanic, French, Spanish, Italian, Swedish, Finnish, Portuguese, Portuguese(brazil), Polish, Russian, Greek, Ukrainian, Chinese, Traditional Chinese, Japanese, Korean	
	Number of Language	17	
SPECIAL FEATURE	DDC/CI	Yes	
	HDCP	Yes (2.2)	
	Reader Mode	Yes	
	Flicker Safe	Yes	
	Six Axis Control	Yes	
	Factory Calibrated	Yes	
	Plug & Play	Yes	
	On Screen Control	Yes	
	SUPER+Resolution	Yes	
	Black Equalizer	Yes	
	DAS Mode	Yes	
	FreeSync	Yes	
Dual Controller	Yes		
COLOR	Front	High Glossy (Front Face) + Texture (Side Face)	
	B/Cover	Matt Black	
	Stand	Glossy Black	
	Base	Glossy Black	
STAND	Base Detachable	Yes	
	Tilt (Angle)	Angle -2~15 degree	
CABINET	Set (with Stand)	24.9" x 8.0" x 18.2"	
	Set (without Stand)	24.9" x 2.4" x 14.8"	
	Box	28.0" x 17.7" x 5.5"	
	Wall Mount	100mm x 100mm	
	Set (with Stand)	12.3 lbs	
	Set (without Stand)	11.0 lbs	
CERTIFICATION	Box	15.9 lbs	
	TCO6.0	Yes (ver 7.0)	
	UL(cUL)	Yes	
	TUV-Type	Yes	
	EPEAT Gold	Yes	
	CB	Yes	
	FCC-B, CE	Yes	
	CCC, BSMI	CCC (Yes), BSMI ( - )	
	KC	Yes	
	VCCI	Yes	
	EPA	Yes (ver 7.0)	
	ErP	Yes	
	ROHS, REACH	Yes	
	Windows 10	Yes	
	DisplayPort	No	
	FreeSync	Yes	
	ACCESSORIES	Power Cord	Yes
		DP to DP	Yes (1.8M)
HDMI		Yes (1.8M)	
Easy Setup Guide		Yes	
Calibration Report (Paper)		Yes	
OTHER	S/W Install CD	Yes (OnScreen Control, Dual Controller)	
	UPC	7 19192 60959 4	
Warranty	3-Year Limited Warranty (Parts/Labor/Backlight)		



LG Electronics U.S.A., Inc.  
HE B2B Division  
2000 Millbrook Drive  
Lincolnshire, IL 60069

Customer Service: 888.865.3026  
www.LG.com/us/commercial/display-support

Contact your LG Regional Sales Representative:  
Channel: 800.897.8871  
Hospitality: 800.228.1236  
E-mail: info@LGsolutions.com

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