



27" UltraGear™ UHD 4K Nano IPS Black Gaming Monitor | Dual-Mode, DP 2.1, 240Hz, 1ms (GtG), DisplayHDR 600

27G850A-B

Key Features

- 27-inch UHD 4K (3840x2160) Nano IPS Black display
- Dual-Mode (4K 240Hz ↔ FHD 480Hz)
- 1ms (GtG) response time
- DisplayPort 2.1
- DisplayHDR 600 with DCI-P3 99%
- NVIDIA® G-SYNC® Compatible / VESA Certified AdaptiveSync / AMD FreeSync™ Premium Pro



All Spec

DIMENSIONS/WEIGHTS

Dimension with Stand (W x H x D) [mm]
614.7 x 581.8 x 249.1

Dimension in Shipping (W x H x D) [mm]
838 x 184 x 439

Weight without Stand [kg]
5.2

Dimension without Stand (W x H x D) [mm]
614.7 x 365.4 x 68.1

Weight with Stand [kg]
9.4

Weight in Shipping [kg]
12.3

FEATURES

HDR 10
Yes

HDR Effect
Yes

Color Calibrated in Factory
Yes

Flicker Safe
Yes

Color Weakness
Yes

AMD FreeSync™
FreeSync Premium Pro

Black Stabilizer
Yes

VESA DisplayHDR™
DisplayHDR™ 600

Nano IPS™ Technology
Yes

HW Calibration
HW Calibration Ready

Reader Mode
Yes

NVIDIA G-Sync™
G-SYNC Compatible

VRR
Yes

Dynamic Action Sync
Yes

Crosshair

Yes

User Defined Key

Yes

RGB LED Lighting

Unity Hexagon Lighting

FPS Counter

Yes

Auto Input Switch

Yes

Smart Energy Saving

Yes

INFO

Product name	Year
UltraGear	Y25

CONNECTIVITY

HDMI	DisplayPort
Yes(2ea)	Yes(1ea)
DP Version	USB Upstream Port
2.1	Yes(1ea/ver3.2 Gen1)
USB Downstream Port	Headphone out
Yes(2ea/ver3.2 Gen1)	4-pole (Sound+Mic)

POWER

Type	AC Input
External Power(Adapter)	100~240V (50/60Hz)
Power Consumption (Sleep Mode)	Power Consumption (DC Off)
Less than 0.5W	Less than 0.3W

ACCESSORY

HDMI	Display Port
Yes (ver 2.1)	Yes (ver 2.1)
USB A to B	
Yes	

DISPLAY

Size [Inch]	Size [cm]
27	68.47
Resolution	Panel Type
3840 x 2160	IPS Black
Aspect Ratio	Pixel Pitch [mm]
16:9	0.1554x0.1554
Brightness (Min.) [cd/m²]	Brightness (Typ.) [cd/m²]
360cd/m²	450cd/m²

Color Gamut (Min.)
DCI-P3 90% (CIE1976)

Color Depth (Number of Colors)
1.07B

Contrast Ratio (Typ.)
2000:1

Refresh Rate (Max.) [Hz]
240

Color Gamut (Typ.)
DCI-P3 99% (CIE1976)

Contrast Ratio (Min.)
1400:1

Response Time
1ms (GtG at Faster)

Viewing Angle (CR≥10)
178º(R/L), 178º(U/D)

SW APPLICATION

LG Calibration Studio (True Color Pro)
Yes

Dual Controller
Yes

SOUND

DTS HP:X
Yes

MECHANICAL

Display Position Adjustments
Tilt/Height/Swivel/Pivot

Wall Mountable [mm]
100 x 100