



# Critically accurate productivity.

## 31.5" 4K/UHD Monitor with Quantum Dot Technology

Whether you're a programmer, engineer, designer, photographer, or simply someone who appreciates critically accurate image quality, the Samsung U32H850 delivers. With 4K/UHD 3840 x 2160 resolution, you get four times the resolution of a standard 1080p monitor. Combined with a 31.5" screen, you'll realize significantly more workspace. See more lines of code, more spreadsheet columns, more web content, more documents at once. And with factory-calibrated Quantum Dot technology (QLED), 1.07 billion color support and Black Equalizer, every image and video will be rich, lifelike and full of razor-sharp detail.



### Key Features

#### **4K<sup>UHD</sup>** 31.5", 4K/UHD High Resolution, VA Panel

Four times the resolution of 1080p monitors empowers users to view text and images with greater accuracy. Small, hard-to-read fonts become legible text, while details in photos, videos and illustrations come to life. Wide viewing angles of 178° make collaboration easier.



#### **Quantum Dot (Q-LED) Panel, sRGB and 1.07B Colors**

Quantum Dot technology supports up to 125% sRGB color space and 1 billion colors, for brighter and crisper images, with more natural reds and greens. Color transitions are smooth and seamless.



#### **Black Equalizer and Factory Calibration**

Samsung Black Equalizer has 20 different dark level values to enhance visibility of dark content. And since every monitor is factory-calibrated, you can be sure you see the most accurate images right out of the box.

#### **AMD<sup>FreeSync</sup>** AMD FreeSync Technology

This advanced gaming technology synchronizes the monitor's refresh rate to match the output of the graphics card, for smooth video playback.



#### **Split Screen (PBP) and Picture in Picture (PIP)**

Connect two separate sources to the display and view simultaneously. Included Easy Setting Box software makes window management easy.



#### **Fast and Easy High-Speed Connectivity**

With 2 x HDMI 1.4, DisplayPort 1.2 and Mini DisplayPort, the UH850 Series offers you the flexibility to connect to your world how you want.



#### **Advanced USB Hub**

The USB 3.0 Hub gives you four ports that deliver 10 times faster data transfer than 2.0, with two of them Fast-Charging.



#### **Easy on the Eyes**

When Eye Saver Mode is active, blue light levels are lowered, for reduced eye strain during long work hours. Flicker Free technology adds further viewing comfort by eliminating flickering at all levels of brightness.

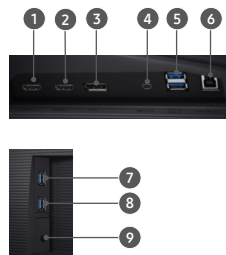
# Samsung UH850 Series 31.5" Desktop Monitor



U32H850UMN		
Display	Screen Size Inch / Class	31.5"
	Flat / Curved	Flat
	Active Display Size (H x V) (mm)	698.4 x 392.85mm
	Aspect Ratio	16:9
	Panel Type	VA
	Brightness (Typical / Min)	250 nits / 200 nits
	Contrast Ratio Static	3000:1 (Typ.)
	Dynamic Contrast Ratio	Mega ∞ DCR
	Resolution	3840 x 2160
	Response Time	4 (GTG) ms
	Viewing Angle (H/V)	178° (H) / 178° (V)
	Nano Crystal	Quantum Dot
	Color Support	1.07B
	Color Gamut (NTSC 1976)	72%
	sRGB Coverage	125% (Typ.)
Refresh Rate	60Hz	
Features	Samsung MagicBright	Yes
	Samsung MagicRotation Auto	Yes
	Eye Saver Mode	Yes
	Flicker Free	Yes
	Picture-In-Picture Picture-By-Picture	Yes / Yes
	Game Mode	Yes
	Image Size	Yes
	USB Super Charging	Yes
	Easy Setting Box	Yes
	Windows Certification	Windows 10
	FreeSync	Yes
	Smart Eco Saving	Yes
	Off Timer Plus	Yes
	Black Equalizer	Yes
Interface	DisplayPort (1.2a)	1
	Mini-DisplayPort	1
	HDMI (1.4)	2
	Headphone	1
	USB Hub	1 Up 4 Dn (3.0 x 4)
	Operating Conditions	Temperature
Humidity		10 - 80% (Non-Condensing)
Calibration	Factory Tuning	Yes
	Factory Calibration Report	Yes
Design	Color	Black / Silver
	Stand Type	HAS
	HAS (Height Adjustable Stand)	0~135.0mm (±5.0mm)
	Tilt	-5.0° (±2.0°) ~ 24.0° (±2.0°)
	Swivel	-30.0° (±2.0°) ~ 30.0° (±2.0°)
	Pivot	-2.0° (±2.0°) ~ 92.0° (±2.0°)
	Wall Mount	100 x 100
Eco	Energy Efficiency Class	C (Europe / CIS)
	Recycled Plastic	15%
Power	Power Supply	AC 100~240V
	Power Consumption (Max / Typ)	100 W / 61.0 W (Europe / CIS)
	Power Consumption (DPMS)	< 0.5 W
	Power Consumption (Off Mode)	< 0.3 W
	Power Consumption (Yearly)	89 kWh / Year (Europe / CIS)
Dimensions	Set Dimension with Stand (W x H x D)	28.8" x 24.4" x 11.8"
	Set Dimension without Stand (W x H x D)	28.8" x 16.9" x 3.1"
	Package Dimension (W x H x D)	33.3" x 9.5" x 20.2"
	Weight	Set Weight with Stand
Set Weight without Stand		19.4 lbs
Package Weight		26.7 lbs
Accessories	Power Cable Length	1.5m
	HDMI Cable	1.5m
	DP Cable	1.5m
	USB Hub Cable (A to B)	1.5m
	Mini-Display Adapter	Yes
	Install CD	Yes
	Quick Setup Guide	Yes
Certifications	Ergonomic & Environment	CB / UL / CE / TUV-GS / TUV-Q
	Warranty	3 Years

## Connectivity

- HDMI In 1
- HDMI In 2
- DisplayPort In
- Mini DP In
- USB x 2
- PC In
- USB 1
- USB 2
- Headphone



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