Monitor Specifications

Flat Panel Specifications

Model	S2716DG
Screen type	Active matrix - TFT LCD
Panel type	TN
Viewable image	
Diagonal	684.67 mm (27 inches)
Horizontal, Active Area	596.74 mm (23.49 inches)
Vertical, Active Area	335.66 mm (13.21 inches)
Area	200301.74 mm^2 (310.30 inch^2)
Pixel pitch	0.2331 mm x 0.2331 mm
Viewing angle	160° (vertical) typical
	170° (horizontal) typical
Luminance output	350 cd/m^2 (typical)
Contrast ratio	1000 to 1 (typical)
Faceplate coating	Anti-Glare with 3H hardness
Backlight	LED edgelight system
Response time	3 ms (typical) for NORMAL mode
	1 ms (typical) for FAST mode
Color depth	16.7 million colors
Color gamut	72%* (CIE1931)

* Color gamut (typical) is based on CIE1976 (82%) and CIE1931 (72%) test standards.

Resolution Specifications

Model	S2716DG
Horizontal scan range	69.7 kHz to 250.6 kHz (automatic)
Vertical scan range	30 Hz to 145 Hz (automatic)
Maximum preset resolution	2560 x 1440 at 144 Hz

Supported Video Modes

Model	S2716DG
Video display capabilities (HDMI & DP playback)	480p, 576p, 720p, 1080p, QHD

Preset Display Modes

HDMI Display Modes

Display Mode	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock (MHz)	Sync Polarity (Horizontal/ Vertical)
IBM VGA,640 x 480p	31.5	60	25.2	-/-
VESA, 720 x 480p	29.83	60	26.25	+/-
VESA, 720 x 576p	29.55	50	26	+/-
VESA, 800 x 600p	37.88	60	40	+/+
VESA, 1024 x 768p	48.36	60	65	-/-
HDTV, 1280 x 720p	37.5	50	74.25	+/+
HDTV, 1280 x 720p	45	60	74.25	+/+
HDTV, 1920 x 1080p	55.6	50	141.5	-/+
HDTV, 1920 x 1080p	67.5	60	148.5	+/+
VESA, 2560 x 1440p	88.8	60	241.5	+/-

DP Display Modes

Display Mode	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock (MHz)	Sync Polarity (Horizontal/ Vertical)
VESA, 640 x 480	31.5	60	25.2	-/-
VESA, 800 x 600	37.88	60	40	+/+
VESA, 1024 x 768	48.36	60	65	-/-
VESA, 2560 x 1440	88.8	60	241.5	+/-
VESA, 2560 x 1440	127.4	85	346.5	+/-
VESA, 2560 x 1440	150.9	100	410.5	+/-
VESA, 2560 x 1440	182.9	120	497.75	+/-
VESA, 2560 x 1440	209.5	144	569.75	+/+
VESA, 2560 x 1440	34.9	24	95	+/-

NOTE: This monitor supports NVIDIA G-Sync.
Please visit **http://www.geforce.com/hardware/technology/g-sync/supported-gpus?field_gpu_type_value=desktop-gpus&=Apply** to know whether your NVIDIA graphics card supports the G-SYNC feature.

Electrical Specifications

Model	S2716DG
Video input signals	• HDMI 1.4, 600 mV for each differential line, 100 ohm input impedance per differential pair • DisplayPort 1.2, 600 mV for each differential line, 100 ohm input impedance per differential pair
AC input voltage/frequency/ current	100 VAC to 240 VAC / 50 Hz or 60 Hz ± 3 Hz / 1.5 A (typical)
Inrush current	• 120 V: 42 A (Max.) at 0 °C (cold start) • 220 V: 80 A (Max.) at 0 °C (cold start)

Physical Characteristics

Model	S2716DG
Connector type	DP; HDMI; USB 3.0
Signal cable type	• Digital: HDMI, 19 pins (cable not included) • Digital: DisplayPort, 20 pins • Universal Serial Bus: USB, 9 pins
Dimensions (with stand)	
Height (extended)	546.3 mm (21.51 inches)
Height (compressed)	416.3 mm (16.39 inches)
Width	612.5 mm (24.11 inches)
Depth	200.3 mm (7.89 inches)
Dimensions (without stand)	
Height	362.5 mm (14.27 inches)
Width	612.5 mm (24.11 inches)
Depth	55.6 mm (2.19 inches)
Stand dimensions	
Height (extended)	433.4 mm (17.06 inches)
Height (compressed)	387.2 mm (15.24 inches)
Width	292.4 mm (11.51 inches)

Depth	200.3 mm (7.89 inches)
Weight	
Weight with packaging	10.10 kg (22.27 lb)
Weight with stand assembly and cables	7.20 kg (15.87 lb)
Weight without stand assembly (For wall mount or VESA mount considerations - no cables)	4.40 kg (9.70 lb)
Weight of stand assembly	2.48 kg (5.47 lb)
Front frame gloss	25+/-5

Environmental Characteristics

Model	S2716DG
Temperature	
Operating	0 °C to 40 °C (32 °F to 104 °F)
Non-operating	• Storage: -20 °C to 60 °C (-4 °F to 140 °F) • Shipping: -20 °C to 60 °C (-4 °F to 140 °F)
Humidity	
Operating	10% to 80% (non-condensing)
Non-operating	• Storage: 5% to 90% (non-condensing) • Shipping: 5% to 90% (non-condensing)
Altitude	
Operating	5,000 m (16,404 ft) (maximum)
Non-operating	12,192 m (40,000 ft) (maximum)
Thermal dissipation	• 307.09 BTU/hour (maximum) • 160.37 BTU/hour (typical)

Power Management Modes

If you have VESA's DPM™ compliance display card or software installed in your PC, the monitor can automatically reduce its power consumption when not in use. This is referred to as *Power Save Mode**. If the computer detects input from the keyboard, mouse, or other input devices, the monitor automatically resumes functioning. The following table shows the power consumption and signaling of this automatic power saving feature.

VESA Modes	Horizontal Sync	Vertical Sync	Video	Power Indicator	Power Consumption
Normal operation	Active	Active	Active	White	90 W (maximum)** 47 W (typical)
Active-off mode	Inactive	Inactive	Blanked	White (blinking)	Less than 0.5 W
Switch off	-	-	-	Off	Less than 0.3 W

Energy Star	Power Consumption
On Mode	32.63 W***

NOTE: This monitor is **ENERGY STAR**®-compliant.

* Zero power consumption in OFF mode can only be achieved by disconnecting the main cable from the monitor.

** Maximum power consumption with max luminance, and USB active.

The OSD functions only in the normal operation mode. When any button is pressed in the Active-off mode, the following message will be displayed:

*** Energy consumption (On Mode) is tested at 230 Volts / 50 Hz.

This document is informational only and reflects laboratory performance. Your product may perform differently, depending on the software, components and peripherals you ordered and shall have no obligation to update such information. Accordingly, the customer should not rely upon this information in making decisions about electrical tolerances or otherwise. No warranty as to accuracy or completeness is expressed or implied.