Planar **SD2421W** 10-Bit passiv
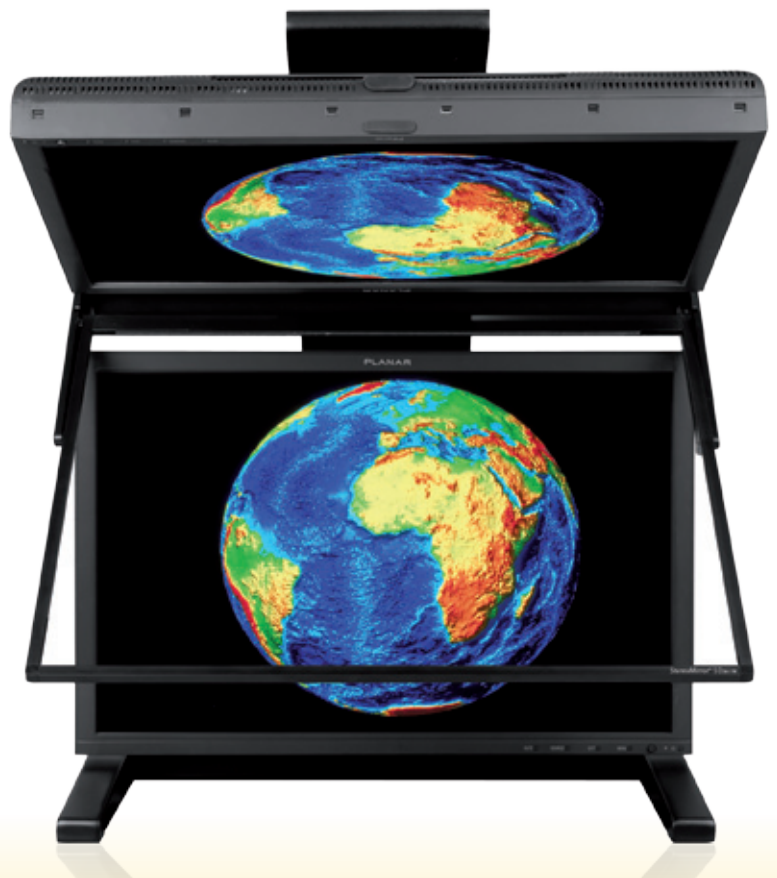
High Performance Color Accurate Stereoscopic Monitor

The first color accurate 3D stereoscopic monitor!

The SD2421W is the first color accurate stereoscopic monitor, built in AdobeRGB and sRGB presets and a wide color gamut. The reliability of the image presentation makes the SD2421W the ideal monitor for cinema post production, computer graphics, healthcare, and geospatial analysis.

Key Features

- **Color accurate stereoscopic viewing**

- **Flicker free viewing comfort**

- **24" diagonal screen using IPS LCD technology and RGB LED backlight**

- **1.920 x 1.200 resolution**

- **Color accuracy with sRGB, AdobeRGB, and configurable settings**

- **Wide color gamut (135% NTSC)**

- **10 bit color depth per RGB (30 Bit)**

- **6 ms response time**

- **Multi user, wide viewing angle**

- **Lightweight, inexpensive, comfortable passive polarized glasses**

Superb Stereoscopic Viewing for Professional Applications

Applications:

- **Geospatial and photogrammetry**
- **Medical**
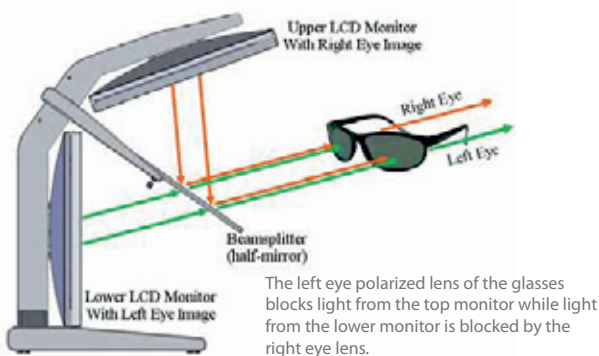- **Cinema post production**
- **Scientific Visualization**

4.14MP

4.6MP

SPECIFICATIONS

	SD2220W	SD2421W	SD2620W
Planar Part Number	997-5817-01LF	997-6199-00LF	977-4220-00LF
Pixel Format	HD1080	WUXGA	WUXGA
Resolution	1920 x 1080	1920 x 1200	1920 x 1200
Megapixel Count	2.07 (per eye)	2.3 (per eye)	2.3 (per eye)
Pixel Pitch	0,248 mm (102 LPI)	0,270 mm (94 LPI)	0,2865 mm (89 LPI)
Screen Diagonal	21.6"	24.0"	25.5"
Colors	16.7 M	1.07 B (10 bfit)	16.7 M
2D Luminance (typical)	300 cd/m²	250 cd/m²	400 cd/m²
Stereo Luminace (typical)	58 cd/m² (through glasses)	155 cd/m² (through glasses)	240 cd/m² (through glasses)
Response Time (typical)	5 ms (1.3 ms rise, 3.7 ms fall)	12 ms (6 ms rise/fall)	12 ms (5.5 ms rise, 6.5 ms fall)
Refresh Rate, Hz	56 to 75	56 to 75	60
Interface	DVI, Analog VGA, HDMI	DVI-D, DVI-I, HDMI	DVI, Analog VGA
Dimensions (WxHxD)	23.1" x 20.4" x 24.8" (588 mm x 519 mm x 631 mm)	23.5" x 25" x 29.7" (596 mm x 630 mm x 754 mm)	23.5" x 24.7" x 29.7" (596 mm x 628 mm x 754 mm)
System Weight	51 lbs. (23 kg)	57 lbs. (26 kg)	58 lbs. (26 kg)

Notes:
All Planar Stereo monitors are compliant with UL, CE, FCC-B and RoHS requirements.

How the STEREOMIRROR Works

Upper LCD Monitor With Right Eye Image

Right Eye

Left Eye

Beamsplitter (half-mirror)

Lower LCD Monitor With Left Eye Image

The left eye polarized lens of the glasses blocks light from the top monitor while light from the lower monitor is blocked by the right eye lens.

BENEFITS

- **The highest quality stereoscopic image available in a desktop monitor**
- **Full resolution to both eyes for stunning stereo imaging**
- **Compatible with OpenGL or DirectX software applications that support stereo**
- **Flicker-free operation allows extendet stereo user with no discomfort**
- **Full stereo resolution can be seen by multiple users from multiple viewpoints**
- **Color calibrate-able**

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