



How IT Can Decrease Desktop Monitor Pain Points

INTRODUCTION

IT managers and administrators face increasingly complex environments as businesses increase their remote workforce. In addition, they also have to contend with end-user demands, reduced budgets and staff cuts. Through it all, IT teams work diligently to maintain order, productivity and support, day in and day out. The goal of this paper is to highlight how advanced display technologies can ease the burden on IT departments while at the same time enhancing productivity and satisfaction for the end users they serve.



IPS TECHNOLOGY

SPEC IPS TECHNOLOGY TO ENHANCE IMAGE QUALITY

There are good reasons the medical, broadcast and photographic industries specify displays with IPS (In-Plane Switching) technology. IPS is an LCD screen technology that dramatically increases image quality. The latest IPS advancements are the result of engineering breakthroughs that allow efficient transmission of the light source through the panel. With quality designs, backlights do not need to be as powerful and energy-consuming to drive the displays. IPS technology offers key benefits over conventional Twisted Nematic (TN) and Vertical Alignment (VA) desktop displays.

WHAT MAKES IPS EFFECTIVE?

- A wide viewing angle up to 178 degrees, where color values and contrast remain consistent and data is clearly readable
- High quality color reproduction for critical image evaluation
- Runs considerably cooler than VA monitors, for greater workspace comfort
- Fanless designs keep noise levels to a minimum while keeping out dust
- Stable and reliable—no image distortion when tapping/rubbing on the panel
- Color accuracy remains consistent over long-term use
- Available in a range of sizes to complement home office workspaces
- Commercial-grade models include 3-year limited warranties (parts/labor/backlight)

With so many technological advantages, it's no wonder that IPS technology is the clear winner in desktop displays. Look for it when purchasing monitors, to ensure your company gets top-quality, cost-effective solutions with low TCO (total cost of ownership). A top brand is LG, the leading display company with IPS technology.

NANO IPS BRINGS ADDITIONAL BENEFITS

LG's Nano IPS™ is a new display technology that combines nanometer-sized particles with IPS technology. The nano particles are applied to the screen's LED backlight, where they absorb excess, unnecessary light wavelengths, realizing rich color expression for content from single images and video to CGI, at virtually any viewing angle. Nano IPS monitors are also equipped with VESA DisplayHDR™ 400 or 600, for bolder contrast between the brightest and darkest areas of the screen.

ULTRAWIDE™ MONITORS

MAXIMIZE EFFICIENCIES BY MINIMIZING THE NUMBER OF MONITORS

Today it is common for designers, artists, security professionals and others to work with multiple monitors on their desks. Replacing multiple monitors with a single wide-format monitor will enable users to multitask with several programs on one screen at the same time. Reducing the overall number of monitors could cut a company's energy usage and equipment costs, provide clean workspace and reduce hardware-related issues.

Look for monitors with a wide screen ratio, preferably 21:9 like those offered by LG. A single wide-format monitor can show more content without the need to scroll or expand. For business meetings, monitors with dual link-up capability allow two portable devices, such as a computer, camera or phone, to be connected to the monitor and used on a single screen simultaneously, controlled with only one keyboard and mouse.

For Mac OS X® users, wide-screen monitors can provide selectable screen ratios, changeable by a single click, to increase ease of use and productivity. The 21:9 ratio enables the user to open and run an editing program and its source-clip folder without minimizing other programs. In addition, a four-screen split function divides the screen from two to four customizable subscreens of the user's preferred size, without overlapping windows.

For those wishing to take their monitor displays a step further, look for a curved wide-format monitor, such as the LG Curved UltraWide™ Monitor. With increased color accuracy, a larger pixel area and immersive viewing, LG's range of curved UltraWide monitors are ideal for creatives and professionals who need more space for their big ideas.

With immersive viewing and crystal-clear HD, LG's state-of-the-art UltraWide® and Curved UltraWide™ 21:9 and 32:9 monitors with IPS technology are designed for professionals, gamers and everyone in-between.





4K UHD MONITORS

EQUIP VISUAL ARTS PROFESSIONALS FOR THEIR BEST WORK

LG Professional-grade 4K UHD (3840 x 2160) monitors with IPS technology offer superior color reproduction compared to common TN and VA panels, providing wider viewing angles and color consistency over the entire screen. They cover a wide color gamut and are color calibrated at the factory to meet professional color accuracy by default.

Supporting high-speed unified interfaces and USB hubs, 4K UHD monitors function as a display dock for laptop PC and MacBook® users. Their USB Type-C™ interface transfers 4K UHD screen, audio, data and even power through a single cable—eliminating the clutter of a laptop power adapter cable, HDMI or DisplayPort cable and USB data cables.

LG NANO IPS MONITORS RAISE THE BAR FOR PROFESSIONALS

There's even more good news for graphic designers, art directors, photographers and videographers, as Nano IPS monitors with 5K (5120 x 2160), 4K, and QHD (3440 x 1440) resolutions support the DCI-P3 color space for expert-level creative work such as high-resolution image retouching with large amounts of color information, providing a future-proof advantage for tomorrow's wide world of color.

GIVE GAME DESIGNERS THE SPEED THEY NEED

Quick response time can often determine the winner, especially in graphic-intense games. New this year with LG's UltraGear™ line of gaming monitors, 1ms response time over IPS panel technology has been achieved. Now the ultra-fast response times of other panels can be enjoyed on a superior IPS or Nano IPS display. Additionally, look for Radeon™ FreeSync technology and 144Hz - 240Hz refresh rates, through DisplayPort and HDMI interfaces, which can help eliminate artifacts like image tearing and stuttering. As an alternative to FreeSync (depending on your system setup), LG has created a highly-effective 1ms Motion Blur Reduction gaming feature that provides both high resolution and fast speed with the outstanding picture quality of LG IPS panel technology.

From sturdy narrow bezel models to borderless slim models, 4K UHD monitors from LG are ideally suited to various work environments and home offices via their ergonomic tilt/pivot stands.



CONCLUSION

When supporting a fleet of common TN or VA monitors, there is little an IT department can do to keep everyone up and running other than react quickly to day-to-day issues. Fortunately there's a light at the end of the tunnel, and it is shining on new technologies such as those offered by LG. LG's IT products bring you a variety of commercial-grade IPS and Nano IPS monitors, as well as IPS-based secure cloud endpoints, to decrease IT pain points while improving user performance and satisfaction, and increasing ROI. Learn more about LG's IT products [here](#) or [contact us](#) today.