

Empowered by Innovation

NEC



TOGETHER WE ARE STRONGER

Increase your efficiency and productivity with dual-screen and multi-screen solutions from NEC Display Solutions



NEC Display Solutions



THE PERFECT OVERVIEW

Displays are no different to real life – you simply see less with one eye. A complete overview is only possible with both eyes open.

People today want to be able to do many things simultaneously on their PCs like update spreadsheets, prepare presentations, process texts, check e-mails etc. But this many applications are often a little too much of a good thing for the user and the monitor. The display is hopelessly overloaded, while continual jumping between applications and scrolling within the documents causes users to quickly become confused, increasing the error rate.

Simply enlarging the size of the display screen is often not enough. This may improve the presentation quality, but the effective increase in screen size doesn't really address the problem at hand, not to mention the higher costs associated with large-format displays.

What is needed is a cost-effective way to increase screen size and resolution.

The solution – dual-screen technology

You can boost productivity and efficiency with a dual-screen solution. Errors are easier to avoid and applications run smoothly. In the solution typically implemented today on computers with Windows operating systems, the first monitor continues to function as usual while the second provides an extra surface onto which windows can be moved with the mouse when desired. The field of vision and the working surface are effectively enlarged. And everything remains in view. NEC Display Solutions has the perfect LCD products for the dual-screen solutions in its portfolio.

10% higher productivity

NEC Display Solutions wanted facts. Together with the University of Utah and ATI, the company conducted a real-life study with multi-screen solutions. The results were impressive. Users found it very easy to work with multiple displays, the second monitor was

intuitively integrated into the work process with no conversion problems. At the same time, productivity rose by 10% and the error rate actually reduced by 20%. In addition to these verifiable improvements, the test persons unanimously reported that working with such solutions was more pleasant and less stressful.

The advantages of dual-screen and multi-screen solutions at a glance

► User-friendliness:

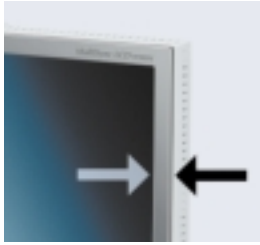
45%	easier to track tasks
38%	easier to navigate to information sources
32%	quicker execution of tasks
29%	greater efficiency
28%	improved overview of the individual applications
24%	greater comfort in daily use
19%	easier to identify errors
17%	easier to learn work steps

► Productivity:

33%	fewer errors
18%	faster error-free execution of parallel tasks
16%	faster processing of work steps
10%	increase in execution of error-free work steps
7%	faster execution of projects
6%	faster access to items in processing

NEC DISPLAY SOLUTIONS – THE BEST CHOICE FOR YOUR DUAL-SCREEN SOLUTION

Not every display is suitable for dual-screen or multi-screen solutions. Homogenous display surfaces are needed in order to make effective use of the benefits of these contemporary solutions. The NEC MultiSync® 70-Series and the NEC MultiSync® 90-Series from NEC Display Solutions are ideal for multi-screen applications. Both series have very narrow casing frames, meaning that there are virtually no distracting transitions or irritating gaps between the LCDs. In addition, NEC displays guarantee optimum readability of screen contents thanks to the extremely large viewing angle. NaViSet® is recommended for demanding applications. Monitor settings are adjusted in a fast and easy-to-follow manner via software, and both monitors work with identical colour, contrast



and brightness values. Thanks to TileMatrix™, it is even possible to create a monitor wall featuring as many as 5 x 5 monitors with the LCDs from the NEC MultiSync® 90-Series. The

integrated TileComp function compensates for optical deviations, creating a homogenous image for users and viewers.

Many sectors benefit from dual-screen solutions

Multi-screen solutions benefit you in many sectors, including office applications, DTP, the medical field, CAD/CAM, development, financial services, call centres and presentations. Doctors use them to increase the display surface for the medical data on which their findings are based. CAD/CAM users enter parameters on one monitor and display graphics on the other. Developers write the source code on one display and test the resulting application on the second. Financial experts can evaluate different sources of information at the same time. These are just a few examples which clearly illustrate the many benefits of dual-screen solutions.

Typical application areas for dual-screen/multi-screen solutions:

- CAD design and planning
- Desktop workstations in call centres
- Control rooms and traffic control centres
- Document imaging centres
- IT network management
- PACS workstations in the medical field
- Publishing houses
- Trading rooms
- Video walls
- Development of web pages and design applications
- Office applications

Twice as economical

Many companies which have equipped their office workstations with dual-screen solutions registered a return on their investment within just a few weeks. This is attributable to a clear reduction in the error rate, thanks to the improved overview, which in turn permits a more accurate working style.

In addition, the companies benefited from direct savings in areas such as printing costs. The double-display solution enables employees to maintain an overview of their work without printouts, even when using complex applications.

Impressive: 609% ROI

ACME Computers in the USA was used as the testing grounds. The workstations for 100 technical support specialists in the in-house call centre were equipped with dual-screen technology from NEC Display Solutions. The return on investment turned even critics into believers:

► Single-screen background information 19" displays

8	customer calls per hour per specialist
1,6 million	customer calls per year
\$ 5 million	in variable costs

► Multi-screen solution with 2 LCDs from NEC Display Solutions per specialist

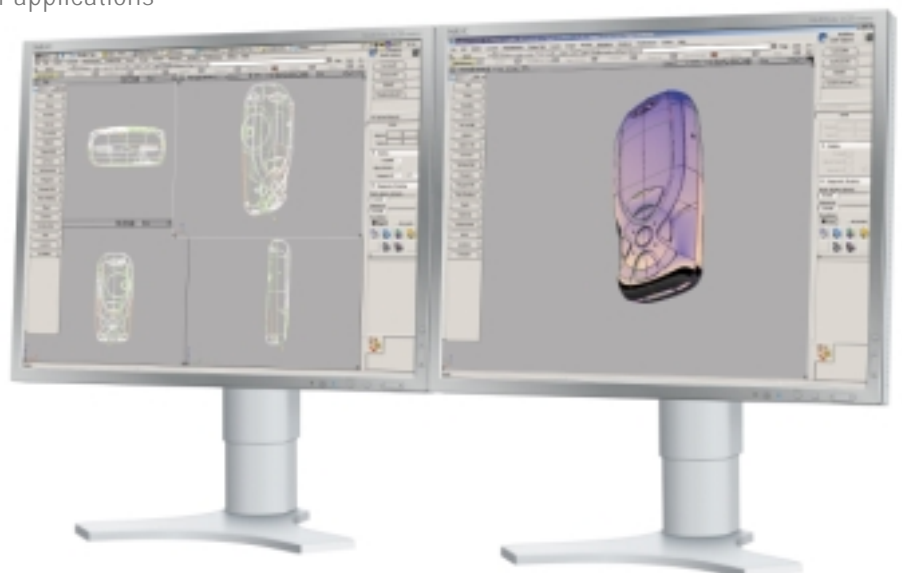
+ 10%	increase in calls per day and year
\$ 70.508	investment
\$ 429.492	savings in wages
609%	ROI

Size is not important

Large-format monitors are not necessarily an alternative to the dual-screen solution. With the exception of special office applications, the dual-screen option is by far the more economically beneficial solution.

► Comparison 23" vs. 2 x 19"

Screen surface	+ 32,5%	+ 100%
Resolution	+ 75,8%	+ 100%
Costs	+ 323 %	+ 100%





SEE FOR YOURSELF

The LCD monitors in the NEC MultiSync® 70-Series and 90-Series offer excellent brightness values and high contrast, as well as stable, high-quality images in addition to numerous innovative technologies and exceptional design.



NEC MultiSync® 70-Series (15", 17", 19", 20" and 21")

enthusies users with the excellent design and outstanding image quality it offers.

Areas of application: front office, call centres, multimedia

- ▶ Dynamic Visual Mode for enhanced contrast and precise colour rendering, especially for applications with very intense colours.
- ▶ Analogue and digital input (VGA/DVI-D) for maximum connection flexibility and investment security.
- ▶ Energy-saving functions help to reduce everyday operating expenses and the total cost of ownership (TCO).
- ▶ Soft lines and rounded curves fit well in any work environment.
- ▶ Very narrow casing and a height-adjustable stand angled forward.
- ▶ NaViKey™ for direct adjustment of the most important screen parameters such as brightness, colour and contrast.
- ▶ NaViSet® and NaViSet® Administrator: quick and easy viewing of monitor settings via mouse and keyboard. IT managers have direct access to all NEC monitors in the network for central servicing, remote diagnosis and stocktaking.



NEC MultiSync® 90-Series (19", 20" and 21")

is the solution of choice for people who aren't willing to compromise.

Areas of application: visual applications, CAD/CAM, DTP, archiving, document management, finance etc.

- ▶ ambix³™ (VGA, DVI-D, DVI-I): connectivity for up to 3 PCs simultaneously with any combination being possible.
- ▶ TileMatrix™ (up to 5 x 5 displays) and TileComp for optimised multi-screen applications.
- ▶ CableComp for best picture quality – also with long cables.
- ▶ TORO™ Design: screen rotation 90° into portrait.
- ▶ Advanced NTAA (Advanced Non-Touch-Auto-Adjust) provides stable and excellent picture quality.
- ▶ AmbiBright: Ergonomic and power saving ambient light sensor.
- ▶ ErgoDesign®: Height adjustable stands (150mm); and extremely slim bezels.
- ▶ Automatic Black Level Adjustment.
- ▶ ColorComp for best colour and brightness uniformity.
- ▶ RapidResponse technology with overdrive.
- ▶ Low power consumption and EcoModes for reduced Total Cost of Ownership.
- ▶ NaViSet® and NaViSet® Administrator compatible.

see more: www.nec-display-solutions.com

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