Grow your business

Revolutionary Multi-computing Solution

NETWORK **MONITOR**

A sensational solution
for recession*!*

For the time being, it seems that the global economic recession is expected to worsen continuously.
Considering the need across all industries to optimize their operations by saving costs and boosting business productivity,
we would like to introduce you to a breakthrough product, which is the result of years of R&D.

LG Network Monitor has been developed to meet the demand for a low-cost solution to the PC replacement cycle due to the global recession. In the B2B market, less than 10% of the computing power of a PC (personal computer) is generally being utilized at any given time. Our product is a solution that can redistribute the remaining 90% of a PC's resources to several users, simultaneously.

When connected to a single PC, LG Network Monitor enables multiple users to fulfill their computing needs, enabling a perfect Virtual Computing Solution. In addition, the monitor organizes a general PC as a host that enables each user to perform very quick virtual computing, as if they were directly using video files and applications on their own PC.

The implementation of this solution will enable your customers to reduce upgrade costs by at least 60% per year, and reduce system usage and maintenance & repair costs by 70% or more. In addition, the monitor is an ultra-low energy consumer (at least 90% lower than other products) and minimizes environmental waste.

With these benefits, we are confident that the monitor will become a hot product, thanks to continuous demand from customers despite the international IT recession.

Save
60%
on computers

Save
70%
on maintenance

Save
90%
on electricity

How it works?

LG Network Monitor operates by using software that enables users to virtually share a single host PC. Once this software is installed on a PC, multiple users can share a single PC, with each user running any application that they desire by using LG Network Monitors, keyboards and mice as if they were using separate PCs. All computing tasks are done on the shared PC, while the monitors, keyboards and mice of the users communicate with the shared PC via connection device.

Today, even entry-level PCs feature 2GHz dual-core processors and high-performance RAM. It is extremely wasteful for users to use these computing powerhouses for simple work or educational tasks, such as word processing, surfing the Internet and sending or receiving e-mails. However, LG Network Monitor lets multiple users share the computing strength of a single PC. The virtual desktop software of LG Network Monitor divides computer resources into independent sessions, so that all users can simultaneously use a single PC. Users can individually enjoy a high-quality PC experience, while the PC transmits divided desktop screens to each user like a data administrator, and handles the separate keyboard and mouse of each user at the same time. Meanwhile, the virtual software effectively communicates with LG Network Monitor through UXP (User eXtension Protocol).

### * Tips : Recommended PC spec.

Case1 : 2-6 Users (1 X 550 PCI Cards)
▶ Dual core processor at 3.0 GHz or higher with 2 GB of system memory (i.e. Intel Core 2 Duo or AMD Athlon X2)
Case2 : 7-11 Users (2 X 550 PCI Cards)
▶ Quad core processor at 2.66 GHz or higher with 4 GB of system memory (i.e. Intel Core 2 Quad or AMD Phenom X4)

Thinking thin client? Think again.

Do not think of LG Network Monitor as just another thin client. A thin client 1) is a computing system which has a server part that processes commands and computing results, that is separated from the client device part sending commands and receiving and displaying the results; 2) is too difficult for the average PC user to use; and 3) requires enormous costs, as it uses a server that requires expensive software. LG Network Monitor uses a general PC as its server, dramatically reducing per-user costs, and requiring minimal power and IT support. Above all, LG Network Monitor can be installed conveniently, within a few minutes.
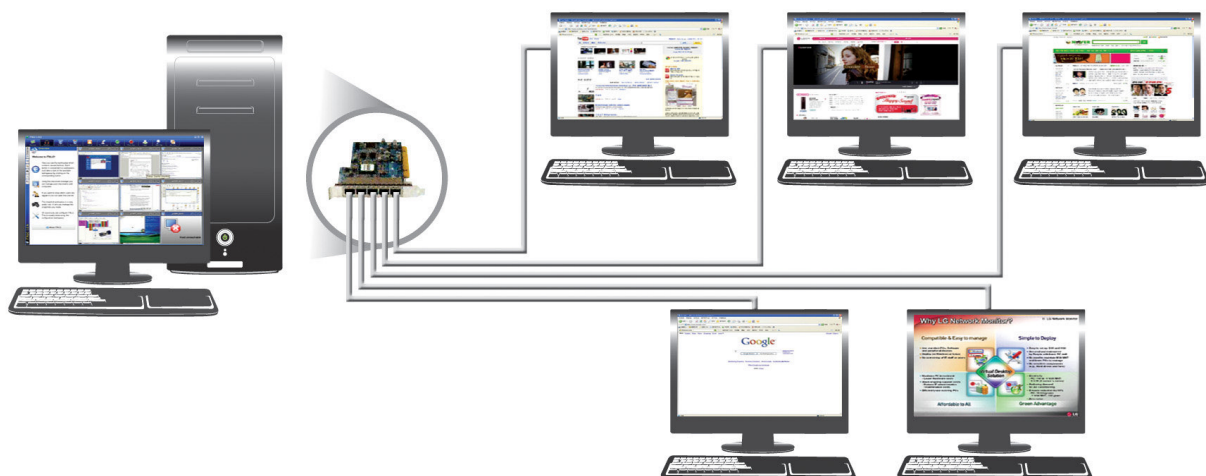
1 Maximum Computing. Minimum Cost.

Although the latest PCs have incredibly powerful performance, most users do not utilize even 10% of their performance capacity, which is a huge waste of a computer's potential. While it is easy to think that unused computing functions do not result in significant costs, the actual waste is not insignificant.

Reduce 60%

The cost of replacing a single PC* stands at about $600 to $800, while adding an LG Network Monitor is just 40% of the cost of it. If you use LG Network Monitor, you will be able to save up to 60% of the cost of replacing your old computer with a new computer system.

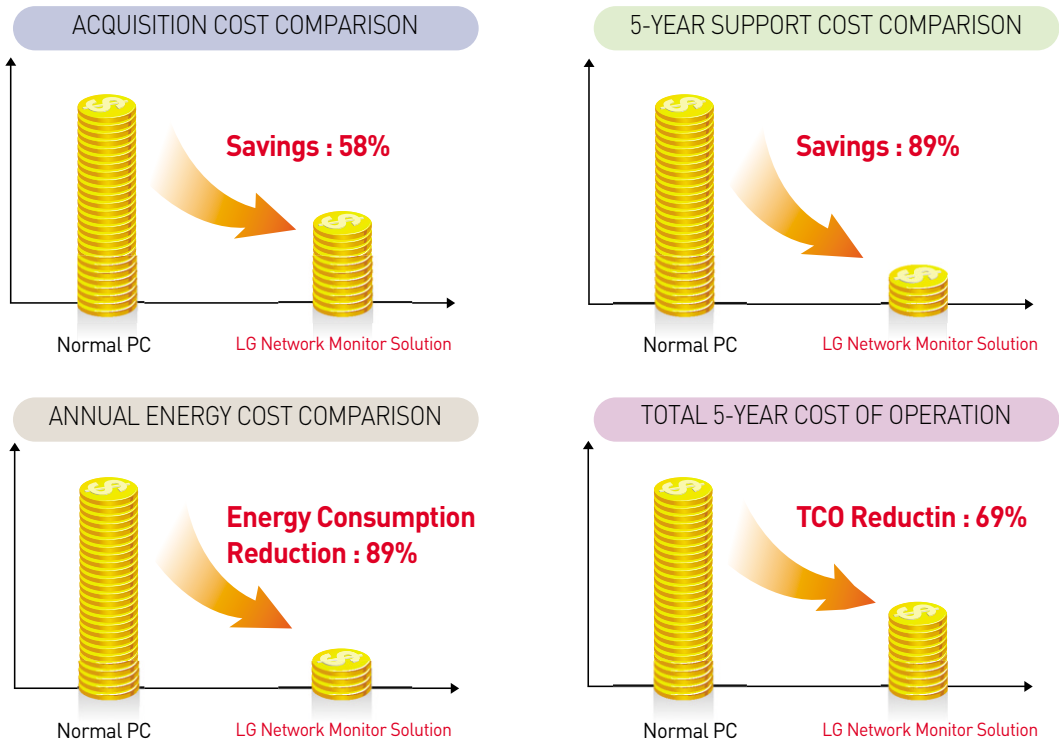* including the monitor, keyboard, mouse and OS

Save 70%

In addition, if you use LG Network Monitor, you will only need to manage a single host PC, which will reduce your repair, maintenance and management costs (such as system upgrading and computer replacement or repurchasing) by at least 70%.

1 watt per user

LG Network Monitor consumes minimal power compared to general PCs. As it also generates a low amount of heat compared to a PC, it may eliminate the need to lower the room temperature with air conditioning, thus helping you to save additional money on air conditioner purchases or electric power consumption. LG Network Monitor can reduce electricity consumption by up to 90% compared with general PCs.

Calculate your savings!

Purchase, TCO and Environmental impact

ACQUISITION COST COMPARISON

Savings : 58%

Normal PC

LG Network Monitor Solution

5-YEAR SUPPORT COST COMPARISON

Savings : 89%

Normal PC

LG Network Monitor Solution

ANNUAL ENERGY COST COMPARISON

Energy Consumption Reduction : 89%

Normal PC

LG Network Monitor Solution

TOTAL 5-YEAR COST OF OPERATION

TCO Reductin : 69%

Normal PC

LG Network Monitor Solution

Normal PC vs LG Network Monitor Solution

Normal PC

**VS**

LG Network Monitor Solution
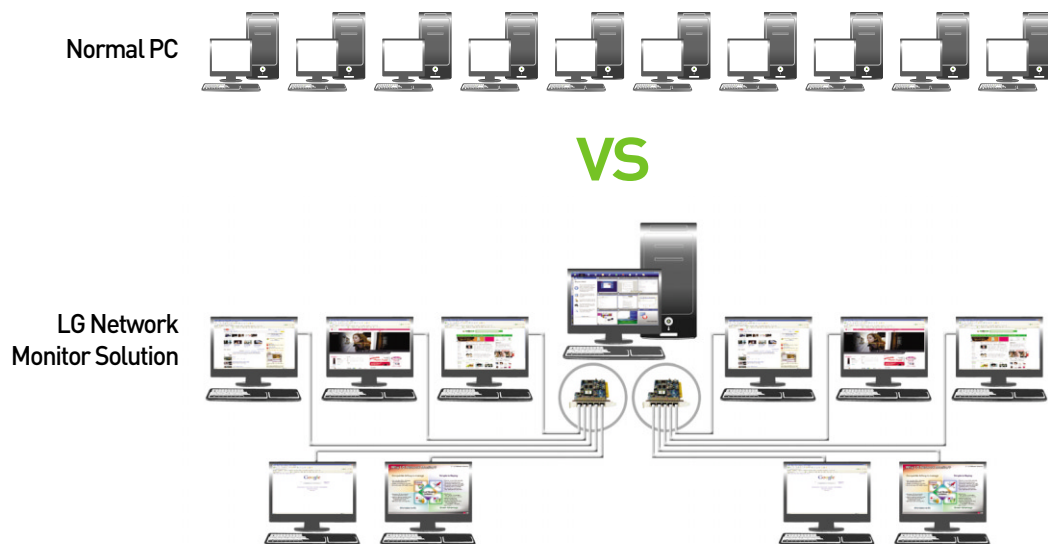
2 The Hottest trend in computing.

LG Network Monitor gives users the same software configuration as if they were using normal PCs, offering users and administrators a simple management environment as well as convenient installation and application. In addition, it can solve data security problems at a low cost, and creates a quiet environment owing to the low noise level.

Keep it simple

LG Network Monitor can freely operate in the majority of the latest software configurations, including Windows and LINUX, making it convenient and easy for users to use the monitor and install software, without requiring complex settings, such as a Windows terminal server and ICA Presentation. In addition, the power for the N series is supplied through Cap 5 and 6 LAN cables instead of through a separate power line, and all users (up to 11) can use the Internet through a single Internet line connected to the host PC, saving a substantial amount of time and money and providing protection from dangers such as fire.
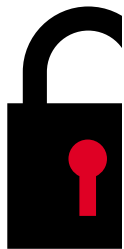
Data Security

Data security has emerged as a hot issue in companies, factories and government agencies, not to mention schools. According to the research of British IT Security Company (Sophos), PC users in companies are the source of 44% of the risk factors related to data security. The companies names as the top 10 companies in Fortune Magazine already manage all of their data in safe locations, through server-based computing devices. However, despite their awareness of importance of data security, most small and medium-sized businesses have not been able take advantage of server-based computing configurations, due to their vast cost. For these small and medium-sized businesses, LG Network Monitor may be the optimal solution.

Noise Liberation

Rooms that have only a single PC are not greatly affected by noise, while rooms with multiple PCs, such as offices, libraries, Internet cafes and computer rooms in schools generate a significant amount of noise. In most of these places, a quiet ambiance is desirable. With LG Network Monitor, you can create an environment that is free from noise.

3 The Greenest computer on earth.

LG Network Monitor achieves a 'green' computing environment, saves purchasing costs and maintenance & management costs, thus providing a solution to three fundamental requirements at once. Therefore, in addition to saving money, you can reduce climate change and electronic product waste. By choosing LG Network Monitor, you will be making a good choice for the health of the planet.

Electricity

LG Network Monitor consumes merely 1 - 5W, compared to the approximately 110W consumed by a single PC. This means that you can reduce the energy consumption of each user by up to 99%. The power savings alone will help you to recover the cost of purchasing the LG Network Monitor within one year.

Air conditioning

Lower energy consumption also means lower heat generation. A room with multiple PCs requires an air conditioner to control the room temperature, but this does not apply to a room with just a host PC and LG Network Monitor. This means that you can cut down on the number of air conditioners you require, save money on your electricity bill, and vastly reduce your costs.
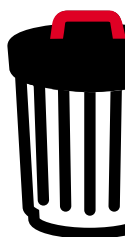
E-Waste

Most PCs are scrapped after 3-5 years, but you can use the LG Network Monitor for 10 years or longer. In addition, the monitor creates less waste than the approximately 10kg of waste produced when a PC is scrapped, leading to a decrease in the waste transportation volume and the size of landfills.

How LG Network Monitor can help?

Education

As a result of insufficient budgets, a considerable number of education facilities have not replaced their old PCs with the latest PCs, even after 5 years or more. A further problem is the fact that scarce funding is often used to replace expensive computer hardware, making it impossible to invest in other areas. The multi-user computing solution of LG Network Monitor presents an alternative, costs simultaneously solving problems of and management. LG Network Monitor allows you conduct simple maintenance & repair activities and replace a host PC to upgrade your system and manage authorities, building a stable user environment. Furthermore, you can provide more students with informatization education opportunities at less cost and effort through the multi-user computing terminal.

Public Access

As PCs used in public facilities are generally used for diverse purposes such as the resolution of civil petitions, information acquisition and personal use, various administrative problems can result. LG Network Monitor is a solution that can quickly resolve such problems, when it is difficult to find a solution due to limited budget and a lack of administrators. Enabling up to 10 users to simultaneously implement a computing configuration with a single PC, LG Network Monitor allows people to build confidence in public facilities by offering them an optimal computing configuration within a limited budget, and maximizes operation efficiency by requiring the maintenance & repair and management of the host PC only.

Business

Companies value the security of their business information as highly as their operation efficiency. It has been estimated that the damage resulting from the exposure of corporate information ranges from millions of dollars to hundreds of millions of dollars. With damages this significant, leaked information not only endangers the company that is the victim, but can also shake the foundation of a country's economy. LG Network Monitor fundamentally eliminates the risk of the exposure of corporate information, preventing such information from being disclosed.

Manufacturer
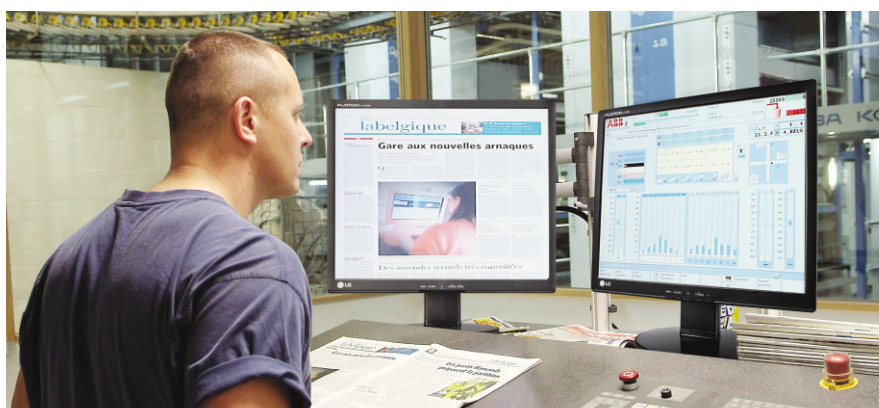
While factories have been modernized thanks to high-tech automation equipment, their indoor environments still cannot fully accommodate the computers required to operate this high-tech equipment. To withstand conditions such as dust, humidity and temperature differences, you must purchase an industrial PC, at tremendous cost. However, LG Network Monitor allows you to keep your important server in a safe location outside the factory and operate the monitor inside the factory, creating a general computing configuration in difficult conditions. In addition, you can reduce your initial installation and management costs to 1/10 of what you would have to spend on an industrial PC.

The Global leader in virtual desktop computing.

Award winning product

To achieve international product leadership and create new sectors in the global electronics and IT industries, LG Electronics intends to make bold investments in R&D, continuously develop new products, and establish unique technologies by harnessing excellent technological resources, both within Korea and overseas.

As a global corporation, LG Electronics desires to meet the needs of customers around the world with our perfect solution to the global recession and high oil prices, and has established a win- win strategic partnership with NComputing to combine their breakthrough technological power with our superior core R&D competencies.

NComputing is a virtual computing solution provider. The company provides hardware and software solutions that allow multiple users to independently and simultaneously share a single PC.NComputing's exclusive technology power can provide a PC configuration to the maximum number of users for the minimum cost. The company's solution is extremely economical, minimizing power consumption compared with general PCs. The company won a CES Innovation Award at one of the leading IT and electronics shows in the world, the 2009 International Consumer Electronics Show (CES) in Las Vegas (U.S.), proving its technological power.

This partnership between LG Electronics and NComputing combines the reliability of a global leader in the digital sector, which has formed a global network in nearly 110 countries, with a cutting-edge network solution that will lead the IT industry in the future.These partners will set digital trends by providing the best technologies and solutions in a quickly-changing global market.

Your business
will find the right path*!*

Having obtained the top technological power in the advanced digital industry, LG Electronics supports your business by providing innovative technologies through our diverse partner programs.

Unique products that secure demand in the global market, strategic marketing activities that lead market trends, and the premium brand value of a global leader, LG Electronics, bring confidence to your business. Start your successful business with LG Electronics' new network computing solution!

N series

(16", 17", 19" : N1642W, N1742L, N1941W)

Lowest Cost and Best Multimedia

Host Computer

User 1 User 2 User 3 User 4
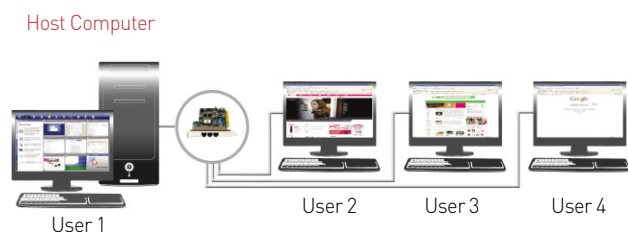
* Direct connection
* Full multimedia
* PC in one room (8 m)
* Up to 11 users per PC

■ **Recommended PC spec.**
- Dual core processor at 3.0 GHz or higher with 2 GB of system memory (i.e. Intel Core 2 Duo or AMD Athlon X2)

■ **Direct connection from host PC**
- Up to 11 users per host
- Multi-media / Internet
- Office productivity

■ **Peripheral connections**
- PS/2 Keyboard and mouse
- Speaker output

■ **USB ports on host PC can be assigned to individual users**

Nplus series

(19", 22" to be released)

Maximum flexibility Using Ethernet Network

Host Computer

Router/Switch User 1 User 2 User 3 User n
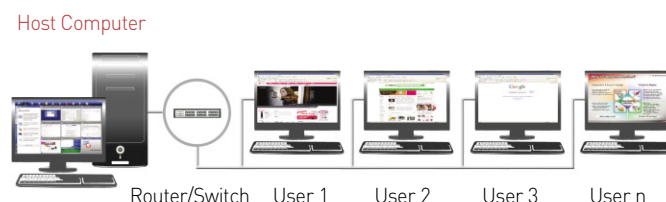
* Ethernet connection
* Full multimedia
* No distance limitation
* Up to 30 users per PC

■ **Recommended PC spec.**
- Quad core processor at 2.66 GHz or higher with 4 GB of system memory (i.e. Intel Core 2 Quad or AMD Phenom X4)

■ **Flexible Ethernet connection**
- Up to 30 users per host
- Multi-media / Internet
- Office productivity

■ **Peripheral connections**
- USB Connection Keyboard and mouse
- USB Storage
- Support Wireless Ethernet
- Speaker output

■ **Support standard software**

LG Network Monitor
Specifications

				N1642W	N1742L	N1941W
Module	Feature	Size(Inch)		16"class (15.6"diagonal)	17"class (17.0"diagonal)	19" class (18.5" diagonal)
		Panel Type		TN	TN	TN
		Display color		16.7M	16.7M	16.7 M
		Aspect Ratio		16:9	5:4	16:9
		Resolution		1366X768	1280X1024	1366X768
		Brightness(cd/m²)		230	300	300
		Contrast ratio(DFC)*		5000:1	8000:1	8000:1
		Response Time		8ms	5ms	5ms
		Viewing Angle(CR ≥ 5)		100/55	176/170	170/170
		Lamp type		CCFL	CCFL	CCFL
		Panel surface		non Glare	non Glare	non Glare
Circuit/ Firmware	Jack Input/ Output	Signal Input	D-Sub	Yes	Yes	Yes
			PC input	X-PORT - Signal from X550 by LAN Cable	X-PORT - Signal from X550 by LAN Cable	X-PORT - Signal from X550 by LAN Cable
			Lan cable limitation	SFTP Type:~6m(recommended),~10m(Max)	SFTP Type:~6m(recommended),~10m(Max)	SFTP Type:~6m(recommended),~10m(Max)
		Audio input	Others	From X-port	From X-port	From X-port
		Audio output	Headphone Out	Yes	Yes	Yes
		Others	Key board/Mouse out	Yes(PS2x2ea)	Yes(PS2x2ea)	Yes(PS2x2ea)
	Speaker		Type	Built-in	Built-in	Built-in
			Audio output	1W*2Ch	1W*2Ch	1W*2Ch
	Power	Input/Output	Input	100~240V	100~240V	100~240V
		Consumption	Normal On(Typ.)	20W(Typ)	32W(Typ)	21W(Typ)
			Power Save/ Sleep Mode(Max)	1W under	1W under	1W under
			DC Off(Max)	1W under	1W under	1W under
	Frequency	Analog	Frequency(H/V)	28KHz~50KHz/56Hz~63Hz	30~66Khz/56Hz~63Hz	30~50Khz/56Hz~63Hz
	Special Feature		Multi-computing	Yes	Yes	Yes
			f-Engine	Yes	Yes	Yes
			4:3 in wide	Yes	-	Yes
			Sound	Yes	Yes	Yes
			sRGB	Yes	Yes	Yes
			DDC/CI	Yes	Yes	Yes
			Intelligent Auto (Auto Resolution)	Yes	Yes	Yes
			Plug & Play	DDC2B	DDC2B	DDC2B
Mechanic	Standard		Base Detchable	Yes	Yes	Yes
			Tilt(Angle)	Yes / -5° (front) ~ 20° (rear)	Yes / -5° (front) ~ 20° (rear)	Yes / -5° (front) ~ 20° (rear)
	Size/ Weight	Dimension	Set (with Stand)	381.7(W)*198.4(D)*323.9(H)	369.6(W)*184.8(D)*391.3(H)	448.4(W)*198.4(D)*357.9(H)
		W*D*H	Set (without Stand)	381.7(W)*56.7(D)*260.3(H)	369.6(W)*59.0(D)*315.1(H)	448.4(W)*57.63(D)*278(H)
		mm	Box	434(W)*338(D)*117(H)	421(W)*362(D)*115(H)	511(W)*119(D)*359(H)
			Wall Mount	No	VESA(75*75)	VESA(75*75)
		Weight	Set (with Stand)	2.6	3.1	3.5
		Kg	Set (without Stand)	2.4	2.8	3.2
			Set(with Stand & Box)	3.6	4.2	4.9
Standard/ Package contents	Standard		TCO03	No	Yes	No
			UL(cUL)	Yes	Yes	Yes
			TUV-GS	TUV-Type	TUV-Type	TUV-Type
			SEMKO	Yes	Yes	Yes
			FCC-B, CE	Yes	Yes	Yes
			EPA	Yes	Yes	Yes
			VESA Mount	No	Yes	Yes
	Package Contents		Basic	Monitor, Stand, Power cable, 15pin D-sub, Manual, Driver CD		
			Optional	PCI card/Vspace CD, Lan cable		

DEPLOYED MODEL

*DFC(Digital Fine Contrast ratio)

About LG Electronics,Inc.

LG Electronics, Inc.(LG) is a global leader and technology innovator in consumer electronics, home appliances and mobile communications, employing more than 82,000 people working in 114 operations including 82 subsidiaries around the world. With annual worldwide revenues exceeding $40 billion, LG Electronics comprises five business units: Home Entertainment, Home Appliance, Air Conditioning, Business Solutions and Mobile Communications. LG is one of the world's leading producers of mobile handsets, flat panel TVs, air conditioners, front-loading washing machines, optical storage products, DVD players and home theater systems. For more information. Please visit www.lge.com.