



VAIO

VGC-LS31N  
VAIO® LS All-in-one PC

Space saving, room beautifying, power-packed all-in-one PC.

#### XBRITE-HICOLOR™ LCD TECHNOLOGY

The VAIO® LS features a stunning 19" widescreen display<sup>5</sup> with Sony's original XBRITE Hi-Color™ LCD technology, our best LCD technology to date. XBRITE-HiColor™ technology delivers deep blacks and bright whites, true-to-life color, and razor-sharp detail. And with glare filter and anti-reflective coating to minimize reflection, you'll get a great view from almost any angle.

#### A FLOATING PC SHOWPIECE

Accentuate any home or office with this stunning PC showpiece. Enclosed in a transparent polycarbonate frame, the remarkably thin VAIO® LS gives off a stunning, floating effect. Reminiscent of a classic glass picture frame, the VAIO LS is an elegant addition to any room where space is at a premium, but performance and style is a must.

#### WIRELESS KEYBOARD AND MOUSE

Designed to blend with your office decor, the VAIO® LS features a wireless mouse and keyboard, letting you work freely without the added restraint of tangled cords.

#### WINDOWS VISTA™ BUSINESS

The VAIO® LS PC/ Display comes pre-installed with Windows Vista™ Business - the definitive choice for your business today and tomorrow. A stunning and simple new user interface lets you easily find, use and share information. Powerful safety features provide you with a safer computing experience, and help protect your critical data. And as your business and technology needs grow and change, Windows Vista Business can grow with you, providing the best return on your investment.

Beautify your place of business, from the lobby to the corner office, with the VAIO® LS, a high-performance PC cleverly tucked behind a gorgeous widescreen LCD display. Elegantly framed with a transparent border to produce a stunning floating effect, the VAIO LS is an astonishing PC showpiece that reflects corporate sophistication and style.



XBRITE-HiColor™

Click to DVD

like.no.other™

## Specifications

### General

Computer Type: Desktop  
Type of Use: All-in-one

### Hardware

Action Buttons: Standby, S1, S2, S3, Volume, Muting, Wireless On/Off  
Camera: Built-in camera and microphone

### Processor

Type: Intel® Pentium® dual-core processor T2080

Speed: 1.73GHz<sup>8</sup>  
Front Side Bus Speed: 533MHz  
L2 Cache: 1MB

### Memory

Type: DDR2  
Installed: 2GB (1GBx2) PC2-4200  
Maximum: 2GB  
Speed: 533MHz

### Hard Drive

Capacity: 250GB<sup>4</sup>  
Speed: 7200rpm  
Interface: Serial ATA

### Optical Drive #1

DVD+R DL Write: 4x max.  
DVD+R Write: 8x max.  
DVD+RW Write: 6x max.  
DVD-R Write: 8x max.  
DVD-RW Write: 4x max.  
CD-R Write: 24x max.  
CD-RW Write: 16x max.  
DVD±RW: Yes<sup>2</sup> (DVD±R DL/DVD±RW/DVD-RAM)  
CD Read: 24x max.  
DVD Read: 8x max.  
DVD-RAM Write: 5x max.  
DVD-R DL Write: 4x max.  
DVD-RAM Read: 5x max.

### Expansion Slots

Multimedia Card Reader: One PCMCIA - Type II/Type I card slot with CardBus support

One ExpressCard™ /54 Slot

### Audio

Sound System: Sony® Sound Reality™ - Audio Enhancer

### Display

Screen Size: 19" WSXGA+<sup>5</sup>  
Resolution: 1680x1050  
XBRITE-HiColor™ Technology: Yes

### Graphics

Processor: Intel® Graphics Media Accelerator 950  
Video RAM: 256MB Total Available Graphics Memory<sup>3</sup>

### Inputs and Outputs

Audio In: 1 (Line In)  
Ethernet Port: 1  
Headphone Jack: 1  
i.LINK® Interface: 1 4-pin interface<sup>10</sup>  
Memory Stick® Media Slot: 1 (Supports optional Memory Stick® and Memory Stick DUO™ media with MagicGate® functionality)  
Modem Jack: 1  
Secure Digital Slot: 1  
Microphone Input: 1  
S-Video Input(s): 1  
USB Port(s): 4 (2.0 compliant)  
DC-In: 1

### Networking/Modem

Ethernet Protocol: 10Base-T/100Base-TX  
Modem Type: V.92/V.90 compatible data/fax modem (RJ-11)  
Wireless LAN: IEEE 802.11b/g<sup>1</sup>

### Power

Power Requirements: 100-240V  
Power Consumption: 150W+10%

### Software

Operating System: Windows Vista™ Business  
Internet Services: AOL® 90-Day Risk Free Trial - For new users only  
Supplied Software: Microsoft® Works 8.5

60-Day Trial Version of Microsoft® Office 2007<sup>9</sup>

Sony® Original Software: Click to DVD® - DVD Creation, LocationFree® Player

\*Please access VAIO® Help and Support from your PC for a complete list of software and trial applications.

Security and Anti-Virus Software: Norton® Internet Security™ 2007 60-Day Trial with spyware protection

### Service and Warranty Information

Telephone Support: 1 Year toll-free technical telephone assistance, available 24-hours, 7-days-a-week<sup>7</sup>

Limited Warranty and Onsite Service: 1 Year Limited Warranty with Onsite Service<sup>6</sup>

Online and Email Support: Support available from <http://www.esupport.sony.com/EN/VAIO>

### Dimensions

Weight: 15.0 lbs  
Measurements: 20.94"(W) x 14.05"(H) x 7.44"(D) (CPU and Display only)

### Supplied Accessories

AC Adapter (VGP-AC19V15)  
Wireless Keyboard (4 batteries)  
Wireless Mouse (2 batteries)  
8cm Disc Adapter

### Optional Accessories

Additional AC Adapter (VGP-AC19V15)  
200 Disc CD/DVD Changer/Recorder (VGP-XL1B3)

UPC Code: 027242715387

- Requires 802.11b or 802.11g compatible access point. Some functionality may require Internet services, which may require a fee.
- DVD media/formats are not universally compatible
- Total Available Graphics Memory refers to the new Windows Vista classification of graphics memory, which is the total of Dedicated Video Memory, System Video Memory and Shared System Memory. Shared System Memory varies depending on the operating condition and system memory size.
- GB means one billion bytes and TB means 1,000 GB when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
- Viewable area measured diagonally
- When available, Sony will provide Onsite Service in fulfillment of its limited warranty obligations. Any such services are subject to the terms and conditions of the limited warranty. See actual Limited Warranty for details. Onsite Service will be provided via third-party technician to be dispatched as needed following phone-base trouble-shooting. Some repairs may be accomplished with self repair kits. Onsite Service may not be available in all locations.
- For certain third party software applications, Sony provides first level phone support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the applicable software vendor.
- GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
- The Microsoft Office 2007 60-Day Trial software is intended for evaluation purposes only. This trial software is installed on your system and you must activate the software before you can use it. Product activation procedures will be detailed during initial launch of the software; activation requires Internet access. This software has an expiration date of 60 days from date of first use, at which time the software will operate under reduced-functionality mode, limiting end-user options and operations.
- i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
- Broadband internet service required along with third party services which may require a subscription or other service fee.

Computer Interface: The computer industry lacks standards, and therefore, there are a multitude of varying software packages and add-on hardware options. This personal computer is not manufactured to any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware option except those mentioned in this document. Sony hereby disclaims any representations or warranty that this product is compatible with any combination of non-Sony products you may choose to connect. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Some pre-installed software titles may not include full documentation. Software titles pre-installed on the Sony Desktop Computer are subject to change without notice. Simulated graphic shown on display. This product meets the standards of the International Energy Star Program for energy efficiency. Features and specifications are subject to change without notice. Weights and measurements are approximate and may vary.

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