

VAIO
no more bounds

VGN-B55G

Smart, elegant styling and mobility



VAIO B

SONY

VGN-B55G

Mobility, comfort and style without compromise

The streamlined VAIO B55G merges mobility and comfort in a sophisticated two-tone body. Its 14.1" screen and full-size keyboard deliver uncompromising image enjoyment and operational ease. Lightweight, with Intel® Centrino™ Mobile Technology and wireless LAN b/g capability, it's ideal for mobile users on the go. And new VAIO Zone brings fresh ease and flexibility to the AV entertainment experience. Whether for business or pleasure, the VAIO B55G enhances your mobile lifestyle and makes you look good wherever you go.



Dimensions	321 × 29-43.2 × 255.3mm (W×H×D)
Weight	2.3kg (including the standard battery)



Die-cast magnesium



Rich matte black finish

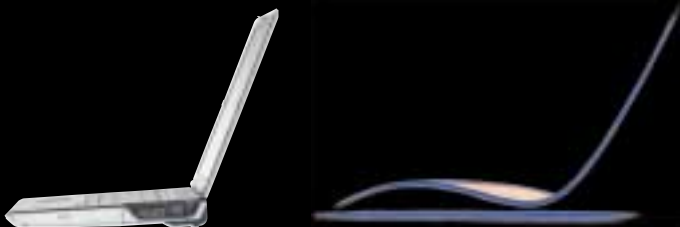


VAIO mirror logo



Black full-size keyboard

VAIO B55G is designed to create the most beautiful "side line" when opened at the angle that's easiest on the user's eyes.



Executive Mobility

Unity of functionality and mobility

VAIO B55G features many efficient features. The 14.1" screen (XGA: 1024×768) displays text and images at large size for your convenience. The full-size keyboard (key pitch: 19mm / key stroke: 2mm) gives you comfortable typing without the frustration of mistyping. Despite its functionality, VAIO B55G comes in compact 321mm (W) × 29-43.2mm (H) × 255.3mm (D) dimensions and weighs only 2.3kg. The VAIO B55G unites mobile-oriented convenience with powerful functionality.



Intel® Centrino™ Mobile Technology

In addition to providing the VAIO B55G with efficient capabilities, Intel® Centrino™ Mobile Technology also increases your mobility. With a powerful Intel® Pentium® M Processor 715 (1.50GHz), Intel® 855GME chipset and Intel® PRO/Wireless 2200BG Network Connection, this advanced technology delivers assured power and efficiency that enable genuine mobile freedom.



Built-in wireless LAN 802.11b/g

Flick the wireless LAN switch on the upper-right corner of VAIO B55G, above the keyboard panel, to connect instantly* with your home or office 2.4GHz wireless LAN access point. VAIO B55G employs diversity antenna technology, which can give priority to whichever antenna provides better radio wave reception. Combined with IEEE 802.11b / IEEE 802.11g (Wi-Fi) wireless LAN standards compatibility, the VAIO B55G can offer stable and smooth wireless communications.

* A 2.4GHz wireless LAN access point must be within range.



Long-lasting battery

VAIO B55G adds endurance to your mobile lifestyle with a battery that has the power and stamina to last a long time. The PCGA-BP2V standard battery can offer up to 4.5 hours* of operation, while the optional large-capacity battery PCGA-BP4V offers up to 9.5 hours* of operation. The VAIO Power Management Viewer of VAIO B55G further contributes to making the battery power last long. It controls the balance of stamina and performance with customisable power setting modes, and adjusts the setting mode depending on whether it's connected or disconnected to the AC adapter.

* Estimated battery life under JEITA Battery Run Time Measurement Method (ver.1.0) when the power-saving mode is on. Actual battery life may vary with different operating conditions and settings.



Presentations made easy

VAIO B55G automatically displays presentation material on an external display at its maximum resolution* once connected via monitor connector. Two one-touch buttons on the speaker grille provide shortcuts for several functions: mute, external output, and application shortcuts. Combinations of the [Fn] key with function keys are additional shortcuts. Press [Fn] and [F10], for example, and the display will change resolution and magnify images or text.

* When using projector devices that don't feature EDID (Extended Display Identification Data), maximum resolution output may not be implemented.



More connections for mobile use

VAIO B55G's optional Port Replicator VGP-PRB1* connects instantly with VAIO B55G, and also lets you disconnect the AC adapter and peripherals like a mouse or printer at once when you're ready for mobile usage. It provides a variety of connections, including a VGA out, 3 USB 2.0 ports (making a total of 5), network connector, printer connector, and DC-IN terminals.

*Availability depends on region.



Entertaining software

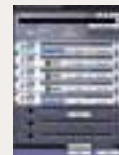
Expand AV entertainment options with VAIO B55G's new software. VAIO Zone unites operations into one interface for quick and easy search or playback of music, photos, videos, CDs, and DVDs. And VAIO Media enables wired or wireless access from your VAIO B55G to other computers within your home network. Last but not least, SonicStage Mastering Studio Audio Filter offers enhanced audio quality and high-fidelity adjustment for your favourite AV content.



VAIO Zone



VAIO Media



SonicStage Mastering Studio Audio Filter



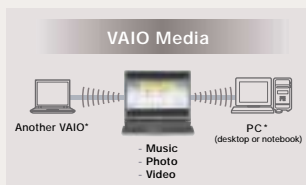
Sony recommends Microsoft® Windows® XP Professional.

The Joy of AV

AV entertainment choices

VAIO B55G offers various AV entertainment choices. Simply launch VAIO Zone for convenient enjoyment of AV content. Simple operation of the arrow keys within one interface accesses various media including music, photos, videos, CDs and DVDs. Or, if your VAIO B55G is on your home network, you will have a broader range of AV entertainment to choose from. With VAIO Media, the music, photo, and video files stored on your VAIO B55G can be played from other VAIO models* or PCs*. Select your choice of media and places to satisfy your AV entertainment urges.

* The VAIO models or PCs must be installed with VAIO Media installer to work as AV content recipients.



Burn your own music CDs and more

Choose your favourite music CD and slip it into the CD-RW/DVD-ROM drive to bring its audio essence to life. Or create your own music CD with Sony's original SonicStage application. You can also store data on CD-R and CD-RW discs: just select the type of disc according to your needs. You might use CD-R discs to create copies of files for friends and co-workers, for example, and CD-RW discs to make convenient rewritable backups of your hard disk. The choice is up to you.



Dolby virtual surround sound and Dolby Pro Logic II

VAIO B55G features Dolby Virtual Speaker* and Dolby Headphone* technology that virtually reproduce 5.1 surround sound through the built-in speakers, other connected stereo speakers, or headphones of your choice. Dolby Pro Logic II transforms audio from stereo recordings to 5.1 surround sound. Combined with Bass Boost (Mega Bass), a technology that enhances music through impressive reproduction of low frequencies, and SonicStage Mastering Studio Audio Filter, which offers sound effector modules, manual settings, and easy-to-use presets like "cinema", VAIO B55G can offer theatre-like DVD movie entertainment anytime, anywhere.

* Dolby Virtual Speaker and Dolby Headphone functions are only available when WinDVD 5 for VAIO or VAIO Zone is used.



Combo - Memory Stick slot*

This conventional-looking card slot offers new functionality. The Memory Stick slot located on the left side of VAIO B55G can handle not only Memory Stick and Memory Stick PRO, but also Memory Stick Duo without an adapter. Other available connector interfaces include two USB 2.0 connectors, i.LINK connector, network connectors, and more.

* Standard/Duo Size compatible, Memory Stick PRO compatible, high-speed data transfer compatible. MagicGate copyright protection technology cannot be applied.

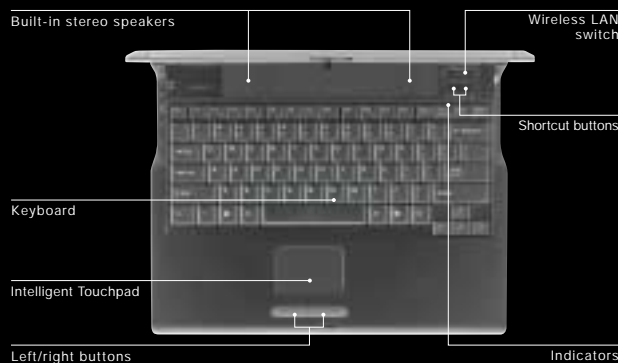


VGN-B55G

Front



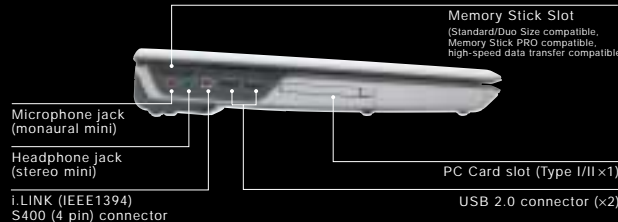
Top



Right



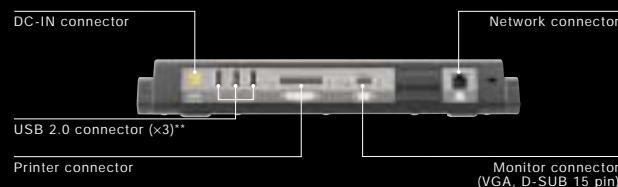
Left



Rear



Port Replicator VGP-PRB1* (Optional)



* Availability depends on region.

** When VAIO B55G is attached to the Port Replicator, a total of 5 USB 2.0 connectors becomes available.

Powerful software for creative minds.

Almost anything you can imagine, you can create and communicate on VAIO. Powerful software capabilities make professional level image editing and music production simple and fun for everyone.



VAIO Zone

Convenient playing of entertainment files stored on VAIO notebooks is yours in one interface. Select music tracks simply by arrow key, search refinement menu, or album jacket image. You can enlarge thumbnail photos and start slideshows with a simple click. Enjoy all these media plus videos, CDs, and DVDs on your home network without opening other applications. What's more, SonicStage Mastering Studio Audio Filter can enhance sound quality for exceptional audio and video pleasure.



VAIO Media

This software lets you share AV content like music, photo, and video files on your home network. From the VAIO model or PC (with VAIO Media installed) set up in your living room, for instance, enjoy AV files stored on the VAIO model in the den without moving either computer. What's more, you can select music as background music for photo slideshows stored on other VAIO notebooks or PCs. Sony helps you extend the possibilities of home entertainment.



DVgate Plus

This software allows high-precision digital importing, editing and exporting of movies in various formats. You can import movies from DV or MICRODV Handycams* by simply connecting and using the one click button. Imported scenes can be cut and connected, or edited further via Adobe® Premiere® Standard and Sony's VAIO Edit Components ver. 4.2 plug-in. Then export your edited movies to a DV or MICROMV Handycam* (MPEG1 and MPEG2 file export also possible). DVgate Plus ver. 1.3 also supports multiple channels (4ch DV-AVI capture, 4ch/5.1ch DV-AVI output, etc.) for dynamic surround sound.



Adobe® Premiere® Standard

This professional video editing software lets you easily create and edit your own Hollywood-quality videos. Just place visual materials along a timeline window, then drag and drop to rearrange them. Add titles and subtitles with scrolling effects, and add transitions to scene breaks. Or use Sony's new plug-in for Premiere — VAIO Edit Components ver. 4.2, which supports multiple channels (4ch DV-AVI capture, 4ch/5.1ch DV-AVI output, etc.) for dynamic surround sound and gives you the power to edit MPEG files. It also lets you create visual effects such as sparkles and flames that convincingly move within your video via new 3D Particle Maker and Motion Tracker.



CONTENT BROWSER



Entertainment Content



Handycam*

MOVIES



VAIO



MUSIC



Net MD Walkman*



Cyber-shot*

PHOTOS



SonicStage

Personalise your music with SonicStage music software featuring a new easy-to-follow interface. First, download or record music easily from the Internet or CDs on your hard disk. Then search, sort and play back music conveniently with My Library. (SonicStage supports popular ATRAC3, ATRAC3plus, WMA, MP3, and WAV formats.) And when you want your music "to go", create original compilation CDs in MP3 or ATRAC3 format as well as standard audio CDs on your VAIO. You can also copy music into MiniDisk (MD)** media quickly and easily, thanks to SonicStage support of the Net MD standard.

Note: Song titles, names of artists, and other information shown above are provided for illustrative purposes only.



SonicStage Mastering Studio SonicStage Mastering Studio Audio Filter

This music mastering software lets you import analogue stereo music from records and cassettes (Roland EDIROL AUDIO capture UA-5* USB audio interface device required), edit the music, and write optimised CDs. You can also save edited music as WAV files and make high-quality CDs from MP3 files. It includes Super Bit Mapping, support for recording in a 24bit/96KHz sampling mode, and five high-performance effector modules. These modules function as an audio filter, with convenient presets, that can be enjoyed when playing any sound from VAIO.



PictureGear Studio

Simply by connecting your VAIO with your digital camera via USB cable, or inserting Memory Stick media, you can automatically import photos to VAIO's hard drive. Since photos are displayed as thumbnails on the screen, browsing is a breeze. You can also create a photo album in three steps with Photo Album, then print it out or save it as a PDF file and attach it to email. Or write and draw on your photos, place your photos in chronological order with Calendar View, create screensavers and slideshows with background music, and much more.



Adobe® Photoshop® Elements

Creating and editing your digital images for print or posting on the Web has never been easier, thanks to Adobe® Photoshop® Elements. These state-of-the-art image editing tools free you to explore your creativity. Using a set of flexible image capture options, you can create a totally original look with the photos you have taken with a digital or traditional camera. And with versatile delivery features, you have more choices in what you can do — print, email or post on the Web for all to see.

Specifications

Model	VGN-B55G
Microprocessor	Intel® Centrino™ Mobile Technology Intel® Pentium® M Processor 715 (1.50GHz)*1 - Supports Enhanced Intel SpeedStep® Technology
Operating System	Microsoft® Windows® XP Home Edition with Service Pack 2 (English version)
Chipset	Intel® 855GME Chipset
Processor System Bus	400MHz
Memory Bus	333MHz
Cache Memory	L1 Cache: 64KB L2 Cache: 2MB (on CPU)
Main Memory	256MB DDR SDRAM (256MB on board, upgradeable up to 1.2GB)*2, 1 SO-DIMM slot
Hard Disk	40GB (C: 15GB, D: 25GB) Ultra ATA/100
Optical Drive	CD-RW/DVD-ROM Drive Maximum reading speed: DVD+R, DVD-R, DVD+RW, DVD-RW: 4x / DVD+R DL (Double Layer): 5x / DVD-ROM: 8x / CD-RW: 15x / CD-ROM: 25x Maximum writing speed: CD-R: 24x / CD-RW: 16x
Graphics Accelerator	Integrated in Intel® 855GME chipset
Video Memory	Maximum 64MB (shared with main memory)
Display	14.1" XGA (1024 × 768) TFT colour display
Interfaces	• USB 2.0 × 2*3 • i.LINK (IEEE 1394) S400 (4 pin) • Network (RJ-45) connector (100BASE-TX/10BASE-T) • Headphone jack (stereo mini) • Microphone jack (monaural mini) • Monitor connector (VGA, D-SUB 15 pin) • Modular (RJ-11) connector • Port Replicator connector • Memory Stick Slot*4 (Standard/Duo Size compatible, Memory Stick PRO compatible*5, High-speed data transfer compatible)
Wireless LAN	• Integrated Wireless LAN IEEE 802.11b/802.11g*6 • Data rate: maximum 11Mbps (802.11b) 54Mbps (802.11g)*7 • Frequency: 2.4GHz
Modem	V.92 and V.90 Compliant
PC Card Slot	Type I/II × 1, CardBus Support
Audio	• Windows® sound system compatible • AC97 compliant • Software MIDI sound generator • Stereo speakers
Keyboard / Input Device	• ca 19mm Key pitch / 2mm Key stroke • 82 Keys • Intelligent Touchpad
Battery	PCGA-BP2V*8 Lithium-ion battery: up to 4.5 hours use*9
Dimensions (W × H × D)	321 × 29-43.2 × 255.3mm
Weight	2.3kg (including the supplied battery)
Software Applications	• Adobe Reader 6 • Adobe Photoshop Elements 2.0 • Adobe Premiere Standard • InterVideo WinDVD 5 for VAIO • Sonic RecordNow! 7 • Sony DVgate Plus 1.3 • Sony Notebook Setup 4.1 • Sony PictureGear Studio 2.0 • Sony SonicStage 2.1 • Sony SonicStage Mastering Studio 1.3 • SonicStage Mastering Studio Audio Filter 1.1 • Sony VAIO Edit Components 4.2 • Sony VAIO Media 3.1 • Sony VAIO SLIT Screen Saver • Sony VAIO Update 2.1 • Sony VAIO Zone 1.1 • Symantec Norton AntiVirus 2004
Supplied Accessories	• AC adapter (VGP-AC16V8) • Lithium-ion battery (PCGA-BP2V)
Warranty	One year*10

Features and specifications are subject to change without notice.


*1 CPU speed will be reduced under certain operating conditions. *2 By adding one 1GB memory module. *3 High-speed/Full-speed/Low speed compatible. *4 Supports high speed data transfer with parallel interface. Does not support MagicGate copyright protection technology. *5 MagicGate copyright protection technology cannot be applied to Memory Stick PRO. *6 Deploying IEEE 802.11b and IEEE 802.11g products on the same wireless network may reduce the communication speed due to radio interference. Taking this into consideration, the IEEE 802.11g products are designed to reduce the communication speed to ensure communication with IEEE 802.11b products. When the communication speed is not as fast as expected, changing the wireless channel on the access point may increase the communication speed. *7 The communication speed varies depending on the distance between communication devices, existence of obstacles between such devices, the device configuration, the radio conditions, and the software in use. In addition, communication may be cut off depending on the radio conditions. *8 This product may only function with a genuine Sony battery designed for this model. *9 Estimated battery life (under JEITA Battery Run Time Measurement Method (ver.1.0)) When the power-saving mode is on. Actual battery life may vary with different operating conditions and settings. For further details, please visit vaio-online.sony.com *10 Warranty conditions may vary by region.

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Optional Accessories (availability depends on region)

VGP-PRB1 Port Replicator

- Monitor connector (VGA, D-SUB 15 pin)
- Printer connector
- Network connector
- USB 2.0 connector (x3)



VGP-AC16V8 AC Adapter

- Universal voltage compatible: AC100 - 240V




PCGA-BP4V Lithium-ion Battery

- Rechargeable battery




PCGA-UMS3/B USB Optical Mouse (Compact)

- Sophisticated, dynamic exterior
- Maintenance-free optical design
- Sensor resolution: 800 dots per inch



PCGA-WMS5/S Wireless Mouse

- Stylish, user-friendly design
- Highly sensitive receiver
- Sensor resolution: 800 dots per inch



vaio-online.sony.com

