

# 12x BD Writer: Sony BWU-500S (1/3)

- Internal 12x Blu-ray Disc Writer - BWU-500S
- 3D Playback & SD to HD upscaling with PowerDVD 9
- Reads and records all BD/DVD/ CD formats under Windows 7/Vista/XP
- Comes with Cyberlink BD Suite 8
  - PowerDirector 8 for Video Editing
  - PowerProducer 5 for Authoring
  - Power2Go for Data Writing
  - PowerBackup 2.5
  - PowerDVD 9 for Playback



# 12x BD Writer: Sony BWU-500S (2/3)

- Read speed: BD 8x /DVD 16x / CD 48x max
- Write speed: BD-R 12x /DVD+R/-R 16x max
 

DVD+RW:	8x	max	DVD-RW:	6x	max
DVD+R9:	8x	max	DVD-R DL:	8x	max
DVD-RAM:	12x	max			
CD-R:	48x	max	CD-RW:	24x	max
- S-ATA interface (max.150 Mbytes/s transfer rate)
- Seamless Link Buffer Under-run Protection
- 12cm and 8cm CD/DVD/BD media supported
- 0.64 kg weight
- 3 tray-eject methods – button, software, emergency hole



Specifications	12x S-ATA BD Writer (Sony BWU-500S)								
	Blu-ray disc			DVD		CD			
Transfer Rate - <b>READ</b>	BD	8x	(36 Mbytes/Sec)	DVD	16x	(21.13Mbytes/sec)	CD	48x	(7200 Kbytes/sec)
Transfer Rate - <b>WRITE</b>	BD-R	12x	(54 Mbytes/Sec)	-R	16x	(21.13 Mbytes/sec)	CD-R	48x	(7200 Kbytes/sec)
	BD-R DL	8x	(36 Mbytes/Sec)	-R DL	8x	(10.57 Mbytes/sec)			
	BD-RE	2x	(9 Mbytes/Sec)	-RW	6x	(7.93 Mbytes/sec)	CD-RW	24x	(3600 Kbytes/sec)
					-RAM	12x	(15.85 Mbytes/sec)		
					+R	16x	(21.13 Mbytes/sec)		
				+R9	8x	(10.57 Mbytes/sec)			
				+RW	8x	(10.57 Mbytes/sec)			
Access Time (Random)	SL:250ms / DL:380ms		SL:150ms / DL:160ms / RAM:200ms		150ms				
Mechanism	Tray load mechanism, Horizontal & Vertical mount								
Interface	SATA								
Burst Transfer Rate	150 Mbytes max.								
Cache Memory	8 Mbytes								
Media/Modes supported	BD-ROM, BD-ROM DL, BD-R, BD-R DL, BD-RE, BD-RE DL, BD-R (LTH), DVD-ROM, DVD-Video, DVD-R/-R DL/-RW, DVD +R/+R9/+RW, DVD-RAM; CD-DA, CD-ROM (XA), CD Extra, Video CD, Photo CD, CD Text, CD Extra, CD-R, CD-RW								
Weight	0.64 kg								
Dimensions	146mm x 41.3mm x 170mm								
Operating system	Windows XP / Vista / 7								



# 12x BD Writer: Sony BWU-500S (3/3)

## System requirements \*

Desktop PC		Notebook PC
<b>For BD Playback &amp; Authoring **</b>		
CPU	Core™ i7/i5/i3 series / Core™ 2 Extreme/Quad series / Core™ 2 Duo E4300 (1.8 GHz) or higher / Core™ 2 Duo T5600 (1.83 GHz) or higher / Core™ Duo T2400 (1.83 GHz) or higher / Pentium® D 840 (3.2 GHz) or higher / HT Technology Pentium® 4 541 (3.2 GHz) or higher / Athlon™ 64 X2 3800+ (2 GHz) or higher / Turion™ 64 X2 TL-50 (1.6 GHz) or higher	Core™ i7/i5/i3 mobile series / Core™ 2 Extreme/Quad mobile series / Core™ 2 Duo T5600 or higher / Core™ Duo T2400 or higher / Pentium® M 755 (2.0 GHz) or higher
GPU	ATI Radeon X1600 or higher / NVIDIA GeForce 7600 GT or higher / Intel® G45 or higher	ATI Mobility Radeon HD 3400 or higher / NVIDIA GeForce 8400M or higher / Intel® GM45 or higher
Display	HDCP-supported HDMI or DVI video output	Not specified
<b>For DVD Playback &amp; Authoring or BD Data Writing **</b>		
CPU	Pentium® 4 (2.4 GHz) or higher / Athlon™ 64 2800+ (1.8 GHz) or higher	Core™ Duo T2300 (1.66GHz) or higher / Core™ Solo T1300 (1.66GHz) or higher / Pentium® M 725 (1.6GHz) or higher / Turion™ ML-32 (1.8GHz) or higher
GPU	AGP or PCI Express graphic accelerator (Need to support DirectX 9.0 or higher)	Intel® 915 chipset or higher / NVIDIA/ATI graphic accelerator (Need to support DirectX 9.0 or higher)
<b>General</b>		
OS	Windows® XP Home Edition SP3 / Professional SP3 / Windows Vista® Home Basic SP1 / Home Premium SP1 / Business SP1 / Ultimate SP1 / Windows® 7 Home Premium / Professional / Ultimate	
RAM	512 MB or more for Windows® XP / 1 GB or more for Windows Vista® and Windows® 7	
HDD	5GB free HDD space (60GB for BD creation)	
Internet connection (Broadband Highly Recommend)		

\* Even if your system meets these requirements, there may be certain BD-ROM titles which may not play back correctly depending upon other factors, such as codec and bit rates.

\*\* For details on 3D playback, please refer to the following URL: <http://www.cyberlink.com/>

