

Specification

Speed	Write	BD-R (SL/DL) 2x, 4x CLV, 6x CAV / 2x, 4x CLV BD-R (SL LTH) 2x CLV BD-RE (SL/DL) 2x CLV DVD-R 1x, 2x, 4x CLV, 8x ZCLV, 8x, 12x, 16x PCAV DVD-R DL 2x, 4x CLV DVD-RW (SL/DL) 1x, 2x, 4x, 6x CLV / Not support DVD-RAM 2x, 3x ZCLV, 5x PCAV DVD+R 2.4x, 4x CLV, 8x ZCLV, 8x, 12x, 16x PCAV DVD+R DL 2.4x, 4x CLV DVD+RW (SL/DL) 2.4x, 4x, 6x CLV, 8x ZCLV / Not support CD-R 4x, 8x, 16x CLV, 24x, 32x, 40x PCAV CD-RW 4x, 10x, 16x CLV, 24x ZCLV
	Read	BD-ROM (SL/DL) 6x / 4.8x CAV BD-R (SL/DL) 6x / 4.8x CAV BD-R (SL LTH) 3.8x CAV BD-RE (SL/DL) 2x / 2x CLV BDMV (AACs Compliant Disc) 4.8x CAV HD DVD-ROM (SL/DL) 3x / 3x CAV HD DVD-R (SL/DL) 3x / 3x CAV HD DVD-Video (AACs Compliant Disc) 3x CAV DVD-ROM (SL/DL) 16x / 8x CAV DVD-R (SL/DL) 12x / 8x CAV DVD-RW (SL/DL) 10x CAV / Not support DVD+R (SL/DL) 12x / 8x CAV DVD+RW (SL/DL) 10x CAV / Not support DVD-RAM 2x, 3x ZCLV, 3x-5x PCAV DVD-Video (GSS Compliant Disc) (SL/DL) 8x CAV CD-R/RW/ROM 40x CAV CD-DA (DAE) 40x CAV 8cm CD 10x CAV Video CD 40x CAV
Sustained Transfer Rate	BD-ROM 215.79 Mbits/s (6x) max. HD DVD-ROM 109.65 Mbits/s (3x) max. DVD-ROM 22.16 Mbytes/s (16x) max. CD-ROM 6,000 Kbytes/s (40x) max.	
Access Time	BD-ROM 180 ms typ HD DVD-ROM 210 ms typ DVD-ROM 160 ms typ DVD-RAM 180 ms typ CD-ROM 150 ms typ.	
Buffer Size	4 MB	
Loading Type	Motorized Tray	
Interface Type	Serial ATA	

Blu-ray Disc Rewriter

GGW-H20L

Write Method	(1) DVD-R SL: Disc at Once and Incremental Recording (2) DVD-R DL: Disc at Once, Incremental Recording and Layer Jump Recording (3) DVD-RW: Disc at Once, Incremental Recording and Restricted Overwrite (4) DVD-RAM: Random Write (5) DVD+R SL/DL: Sequential Recording (6) DVD+RW: Random Write (7) CD-R/RW: Disc at Once, Session at Once, Track at Once and Packet Write (8) BD-R SL/DL: Sequential Recording Mode with Pseudo-Overwrite (9) BD-RE SL/DL: Sequential Recording Mode without Pseudo-Overwrite	
Compatible Formats	BD	BD-ROM (SL/DL) 25GB / 50GB (Ver.1.2) BD-R (SL/DL) 25GB / 50GB (Ver.1.2) BD-RE (SL/DL) 25GB / 50GB (Ver.2.0)
	HD DVD	HD DVD-ROM (SL/DL) 15GB / 30GB (Ver.1.2: except 8cm disc) HD DVD-R (SL/DL) 15GB / 30GB (Ver.2.0: except 8cm disc)
	DVD	DVD-ROM (SL/DL) 4.7GB / 8.5GB (Ver.1.1) DVD-R SL 4.7GB (Ver.2.1) DL 8.5GB (Ver.3.0) DVD-RW SL 4.7GB (Ver.1.2 / Rev 1.0, 2.0, 3.0) DVD-RAM 1.46GB/side, 4.7GB/side (Ver.2.2) DVD+R SL 4.7GB (Ver.1.3) DL 8.5GB (Ver.1.1) DVD+RW 4.7GB (Vol. 1 / Ver.1.3, Vol. 2 / Ver.1.0)
	CD	CD-ROM Mode-1, Mode-2 data disc CD-ROM XA, CD-I, Photo-CD Multi-Session, Video CD CD-Audio Disc Mixed mode CD-ROM disc (data and audio) CD-Extra / CD-Text CD-R (Conforming to "Orange Book Part 2": read & write) CD-RW (Conforming to "Orange Book Part 3": read & write)
W x H x D, Weight	External dimensions (W x H x D) 146 x 41.3 x 185 mm (W/O Beze) Front bezel (W x H x D) 148 x 42 x 5 mm	
Operating System	Windows Vista: Home Basic, Home Premium, Ultimate Edition Windows XP: Home, Professional, Media Center Edition	