

Blu-ray™ Disc Drive

Internal SATA 12x Super Multi Blue with 3D Playback & M-DISC™ Support

▶ UH12NS30



Play your favorite blu-ray or DVD movies, including 3D blu-ray movies, for your maximum viewing pleasure. The UH12NS30 Blu-ray disc drive features 12x BD-R read speed, 16x DVD+R write speed, SATA interface for faster performance, and M-DISC support that uses permanent engraving for unmatched reliability in data storage.

12X BD-R Read Speed

3D Playback

Serial ATA Interface

M-DISC Support

Max. 16X DVD±R Write Speed

Can Read Quad (QL) & Triple Layer (TL) BD-R discs

Blu-Ray, DVD and CD Family Read/DVD and CD Write Compatible

2MB Buffer Under-Run Prevention Function Embedded

BLU-RAY DISC			DVD							CD			
12x	8x	12x	16x	8x	6x	4x	8x	5x	16x	8x	48x	24x	48x
BD-R (SL) MAX READ	BD-RE MAX READ	BD-ROM (SL) MAX READ	DVD±R MAX WRITE	DVD+RW MAX WRITE	DVD-RW MAX WRITE	M-DISC+M MAX WRITE	M-DISC+M MAX READ	DVD-RAM MAX WRITE	DVD-ROM MAX READ	DVD±DL MAX WRITE	CD-R MAX WRITE	CD-RW MAX WRITE	CD-ROM MAX READ

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M-DISC

Compared to other recordable DVDs on the market today, M-DISC offers superior reliability in data storage that provides the permanent optical data storage solution.

Serial ATA Technology

Serial ATA is a 1.5Gbps evolutionary replacement for the Parallel ATA physical storage interface used to connect storage devices, such as hard disks, DVD and CD rewriters to the PC motherboard. Serial ATA is scalable, enables design of smaller PCs, and will allow future enhancements to the computing platform.

TRANSFER RATES-WRITE (MAX)	Model	UH12NS30
Type		Blu-ray Disc Drive
DVD-R		2x, 4x CLV, 8x ZCLV, 8x, 12x PCAV, 16x CAV
DVD-R DL		2x, 4x CLV, 8x PCAV
DVD-RW		1x, 2x, 4x, 6x CLV
DVD-RAM		2x, 3x CLV, 5x
DVD+R		2.4x, 4x CLV, 8x ZCLV, 8x, 12x PCAV, 16x CAV
DVD+R DL		2.4x, 4x CLV, 8x PCAV
DVD+RW		2.4x, 4x, 6x CLV, 8x ZCLV
M-DISC/+M		4x CLV
CD-R		8x, 16x CLV, 24x, 32x, 40x PCAV, 48x CAV
CD-RW		4x, 10x, 16x CLV, 24x ZCLV
TRANSFER RATES-READ (MAX)		
BD-ROM (SL/DL)		12x / 8x CAV
BD-R (SL)		12x CAV
BD-R (DL/TL/QL)		8x / 6x / 6x
BD-RE (SL/DL/TL)		8x / 6x / 4x
BDMV		4.8x CAV
DVD-ROM (SL/DL)		16x / 12x CAV
DVD-R (SL/DL)		16x / 12x CAV
DVD-RW (SL)		12x CAV
DVD+R (SL/DL)		16x / 12x CAV
DVD+RW (SL/DL)		12x CAV
M-DISC/+M		8x CLV
DVD-RAM		2x, 3x CLV, 5x
DVD-Video		4.8x CAV (SL/DL)
CD-R/RW/ROM		48x / 40x / 48x CAV
CD-DA (DAE)		40x CAV
80mm CD		16x CAV
ACCESS TIME (RANDOM)		
BD-ROM		180 ms typ.
DVD-ROM		160 ms typ.
DVD-RAM		180 ms typ.
CD-ROM		150 ms typ.
SUSTAINED TRANSFER RATE		
BD-ROM		53.94 Mbytes/s (12x) max.
DVD-ROM		22.16 Mbytes/s (16x) max.
CD-ROM		7,200 kB/s (48x) max.
BURST TRANSFER RATE		
		1.5Gbps bits/s (10b side)
		1.2Gbps bits/s (8b side)
BUFFER SIZE		2MB Buffer Under-run prevention function embedded
HOST INTERFACE		Serial ATA bus interface
OPERATING SYSTEMS		Windows 7, Windows Vista™, Windows XP
DIMENSIONS (WxHxD)		5.7" x 1.6" x 4.5" (146 x 41.3 x 165mm)
WEIGHT		1.65 lb (750g)
UPC		058231 309485



Dimensions and weights are approximate. Design, specifications, and features subject to change without notice.

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