LITE-ON
www.liteonit.com

24x12x8x /24x12x6x/12x + 48x32x48x

Features	SATA Super AllWrite DH-24AAS/ iHAS12

★ SATA interface, Half-Height internal DVD+R / DVD+RW / DVD-R / DVD-RW / DVD+R9/ DVD-R9/ DVD-RAM/ DVD-ROM / CD-R/ CD-RW / CD-ROM combination drive

★ Support Double Layer DVD+/- R9 Recording Function

★ Seamless Link® avoiding Buffer Under Run error, Automatically adjusting writing strategy & walking OPC to provide the best burning quality

★ SMART-X(*) function adjusts CD-DA / VCD / DVD data extraction to a fastest allowable speed according to both data request rate from host and disk quality

★ ABS system reduce vibration and noise during recording and reading

★ Support Fixed Packet, Variable Packet, TAO, SAO, DAO, Random Access Write, Incremental, sequential recording, restricted overwrite, Layer Jump recording, Raw Mode Burning & Over-Burn

★ DVD read compliant: DVD single/dual layer (PTP/OTP), DVD-R, DVD-R multi-borders, DVD-RAM DVD+R, DVD+R multi-sessions, DVD-RW, and DVD+RW

★ CD read compliant: CD-DA, CD-ROM, CD-ROM/XA, Photo-CD, Multi-session, Karaoke-CD, Video-CD, CD-I FMV, CD Extra, CD Plus, CD-R, and CD-RW

★ Support both 8cm and 12cm disc of CD and DVD family

★ Conform to Orange Book: Part 2 CD-R Volume 1, Part 2 CD-R Volume 2 Multi Speed, Part 3 CD-RW Volume 1 (1x, 2x, and 4x), Part 3 CD-RW Volume2: High Speed, Part 3 CD-RW Volume 3: Ultra Speed.

★ Supported transfer mode: PIO mode 4, DMA mode 2 and Ultra DMA mode 5

Specifications

◎ **DVD Family :**
    Write

	DVD+R	24X maximum by CAV
	DVD-R	24X maximum by CAV
	DVD+R9	12 maximum by CAV
	DVD-R9	12 maximum by CAV
	DVD-RAM	12X maximum by PCAV
ReWrite		
	DVD+RW	8X by Z-CLV
	DVD-RW	6X by Z-CLV
Read		16X maximum by CAV
Rand. Access Time		160ms

◎ **CD Family :**
    Write

	CD-R	48X by CAV
ReWrite		
	CD-RW	32X maximum by Z-CLV in UltraSpeed disc
Read		48X maximum by CAV
Rand. Access Time		140ms

◎ **Buffer Size :**   2MB(MAX)

◎ **PC Required :**   Pentium 4 1.3GHz or higher CPU and 128MB or higher RAM are required

    HDD must have access time < 20 ms; with a minimum of 650MB free space
    9GB free space for creating a DVD image file (9GB for double layer; 5GB for single layer)

◎ **Compatibility :**   MS 2000/ XP/ Vista

◎ **MTBF(Life) :**   70000 POH

◎ **S/N Ration :**   >75dB

◎ **Environment :**
    Operating   5℃ to 50℃; Relative Humidity: 15% to 80%
    Non-Operating   -40℃ to 65℃; Relative Humidity: 15% to 95%

◎ **Dimension :**   146(W) x 41.3(H) x 170(D) (+/- 0.5 mm)

◎ **Weight :**   <0.9 Kg

  * **SMART-X : S**mart **M**onitoring & **A**djusting **R**ead-speed **T**echnology for e**X**traction.