

PRESS INFORMATION



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TDK NOW SHIPPING 50GB DUAL LAYER RECORDABLE BLU-RAY DISC MEDIA

*– Dual Layer Recording Material Structure Offers Double the Capacity of
Single Layer Blu-ray Discs –*

GARDEN CITY, NY, September 12, 2006 – TDK, a world leader in digital recording solutions, today announced that it has begun shipping 50GB dual layer recordable Blu-ray Disc media. Retail pricing is set at \$47.99 for a 50GB BD-R (recordable). TDK 50GB BD-RE (rewritable) media will be available in the first quarter of 2007 with retail pricing set at \$59.99.

A pioneer of blue laser recording technology and founding member of the Blu-ray Disc Association, TDK began offering its highly anticipated 25GB recordable and rewritable Blu-ray Disc media in the first quarter of 2006. TDK first shipped mass production samples in December 2005, and with the subsequent issuance of the relevant license, the company immediately commenced full force manufacturing. The 25GB products are single layer whereas the 50GB products have a dual layer recording material structure. The revolutionary single-sided discs are bare, cartridge-free media. One of TDK's new 50GB Blu-ray Discs could store approximately four hours of high definition video (encoded at 24Mbps).

“The launch of 50GB dual layer Blu-ray Disc media is a significant achievement for this revolutionary new format and for TDK,” noted Bruce Youmans, TDK Vice President of Product Research & Development. “By doubling the format's capacity, the 50GB discs provide users with the opportunity to store an unprecedented amount of data on convenient and cost-effective removable media. From hard drive backups to HD video authoring, these discs offer new

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possibilities." He continued, "TDK innovations such as the company's CuSi inorganic dye formulation and our exclusive DURABIS 2 hard coating technology have played a key role in enabling the achievement of remarkable capacities, fast transfer rates and revolutionary durability for TDK Blu-ray Discs."

TDK Technologies Make Bare Blu-ray Discs a Reality

TDK Blu-ray Discs are manufactured to the highest quality standards at the company's Chikumagawa Techno Factory in Japan. Outfitted with state of the art technology, the Chikumagawa factory is poised to lead the charge on optical media development well into the future. TDK heavily committed its worldwide engineering resources to Blu-ray, and has created new formulations and manufacturing techniques that constitute revolutionary milestones in recording technology.

Because Blu-ray Disc media's data tracks are quite narrow even in comparison with DVD media, precise, stable interaction between the laser and the recording material is especially critical to ensuring error-free recording and playback. That's why TDK developed DURABIS 2, an innovative hard coating technology that makes bare Blu-ray Disc media a reality by protecting the disc surface against common contaminants such as scratches and fingerprints. DURABIS 2's revolutionary resistance to fingerprints and scratches eliminates the need for a cartridge, minimizing manufacturing costs and allowing for the same user experience as with today's CDs and DVDs.

DURABIS 2 increases the scratch resistance of Blu-ray Disc media by a factor of 100 in comparison with a non-treated disc surface, as demonstrated in rigorous testing. TDK pioneered hard coating technology, and its DURABIS 2 is the ultimate protective coating for Blu-ray Discs.

As a member of the Blu-ray Disc Association Board of Directors, TDK has been a leader in the development of Blu-ray, the next generation optical media format that will not only change the way we experience home entertainment and computing, but will also create unprecedented business efficiencies.

Specifications

Item	Unit	BD-R25	BD-R50	BD-RE25	BD-RE50
Type	—	Write-once		Rewritable	
Recording capacity	GB	25 (single layer)	50 (dual layer)	25 (single layer)	50 (dual layer)
Recording wavelength	nm	405 (blue-violet laser)			
Disc diameter	mm	120			
Disc thickness	mm	1.2			
Cover layer thickness	mm	0.1			
Track pitch	µm	0.32 (group recording)			
Data transfer rate	Mbps	36 1X / 72 2X)			
Reflectance		12 24	4 8	12 24	4 8
Linear velocity	m/s	4.9 1X / 9.8 2X			

* Dimensional specifications are nominal.

About TDK

TDK Corporation (NYSE: TDK) is a leading global electronics company based in Japan. It was established in 1935 to commercialize “ferrite,” a key material in electronics and magnetics. The company today is a leader in the development of next-generation technologies such as Blu-ray Disc recording media, an optical disc ideally suited for high-definition video recording. TDK offers a full line of recordable DVD and CD media, digital camcorder tapes, professional data storage solutions including LTO Ultrium media, and much more.

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