

TDK To Sale 23.3GB Disc With High-Speed 72MBPS Transfer Rate Utilizing Blue Laser Technology

April 18 2005

TDK Corporation today announced that it has reached a licensing agreement with Sony for TDK to begin manufacturing and distributing TDK Professional Disc (PD-RE23CN) media, rewritable optical discs that provide compatibility with Sony's Professional Disc System (XDCAM). The new TDK Professional Disc media will launch worldwide in June, 2005.

The TDK Professional Disc, which uses a blue-violet laser with a short wavelength for recording and playback, boasts a capacity of 23.3GB – approximately five times that of DVD media – as well as a rapid transfer rate of 72Mbps. Thanks to its random data access capability and other features available only from optical disc media, it can be expected to find growing acceptance in broadcasting applications.

In the development of its Professional Disc, TDK, a world leader in specialty recording media manufacturing, has incorporated technologies specifically developed for use with the advanced blue-violet laser. These technologies include the recording materials and recording layer that form the basis for its performance utilizing high-sensitivity phase change materials and a layer structure designed exclusively for high-speed recording. Through high-precision spin coating technology, discs are manufactured with an extremely smooth 0.1mm-thick transparent cover layer. In addition, to accommodate the disc's extremely narrow track pitch, high-precision mastering and injection technology achieve the exceptionally accurate recording and playback stability demanded by the

Professional Disc System.

Due to the high-density recording required by the Professional Disc System, adherence of any dust on, or scratches to the disc surface can have a serious impact on recording and playback accuracy. By utilizing TDK's DURABIS PRO, a hard coating technology developed for professional-use discs, TDK's Professional Disc offers extremely high durability and recording reliability.

In the future, demand for optical discs in professional broadcasting applications is expected to increase further, thanks to such capabilities as fast transfer of images to IT systems, high-speed editing, random access and other advantages. In this environment, TDK is confident that its Professional Disc for broadcast use will assume a key role.

TDK has always been committed to offering the most advanced media solutions to professionals and consumers. The launch of TDK's Professional Disc (PD-RE23CN) blue laser disc for Sony's "Professional Disc" Systems strengthens TDK's position as a leader in recording media, while expanding TDK's role as the brand that professional users can trust for the ultimate in performance and reliability.

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