Optical Disc Archive Cartridge

Keep It Simple, Secure & Long-term
Reliable, Durable mass storage Optical media

A variety of high capacity media cartridges are available for the Optical Disc Archive System, From 300GB to 1.5TB, Write-once and Rewritable, you can select the media capacity that best fits your workflow.

Model name	Capacity*1	Type	Recording time*3	
			MPEG HD422 50Mbps	MPEG HD420 35Mbps
ODC300R	300GB	Write-once	8.5 Hours	13 Hours
ODC300RE	300GB	Rewritable*2		
ODC600R	600GB	Write-once	18.5 Hours	27.5 Hours
ODC600RE	600GB	Rewritable*2		
ODC1200RE	1.2TB	Rewritable*2	38 Hours	57 Hours
ODC1500R	1.5TB	Write-once	48 Hours	72 Hours

*1: Recording capacity depends on the usage environment. Actual recordable capacity may be smaller than indicated on the cartridge.

*2: Only the index reference is changed when the user deletes a file and the capacity on the disc is not restored, unless it is last recorded file on disc. The initial capacity can only be restored by re-formatting the cartridge.

*3: The recording time is for reference only and based on a fully recorded disc at the specified data rate.

Optical Disc Archive

Features of the Optical Disc Archive Cartridge

Optical Disc Cartridge is a mass storage media newly developed for the Optical Disc Archive System.

Mass storage media with proven optical disc technology

The cartridge contains 12 discs that appear to the user as one volume of mass storage. The file format is UDF (Universal Disk Format). Each cartridge allows random access to files and high speed data retrieval.

High Reliability, & Durability, Optimized for long term archiving.

The non-contact read/write technology of optical disc enables high reliability. Optical disc technology is extremely robust with a media archival life estimated at 50 years, substantially longer than other storage media in the market. The cartridge is designed to be highly durable and resilient in a wide range of environmental conditions.
This enables you to store the media in the typical office environment and does not require special climate controlled conditions.

*Estimated average archival life based on internal acceleration testing.

Simple, Low Total Cost of Ownership

A key benefit of the Optical Archive System is that it does not require frequent data migration.
This simple solution can reduce the TCO (Total Cost of Ownership) and protect your valuable data, minimizing data corruption that can typically occur during data migrations, providing cost savings.

More Convenient, Efficient Asset Management

The media has a built-in "Cartridge Memory".
The built in "Cartridge Memory" provides seamless integration between the ODC media and ODA drive by storing basic content recording information. With the future release of application software, the cartridge memory feature will allow users to identify the contents of the media with mobile devices for efficient asset management, such as cartridge tracking and digital asset inventory control.

Cartridge Memory

	ODC300R	ODC300RE	ODC600R	ODC600RE	ODC1200RE	ODC1500R
Rewritable Cycles	–	More than 1,000 times	–	More than 1,000 times	More than 1,000 times	–
Read Cycles	More than 1,000,000 times					
Operation Temperature	5 ~ 55°C (41 ~ 131°F)					
Storage Temperature/ Humidity	-10 ~ 55°C (14 ~ 131°F) / 3 ~ 90% RH (Short term *Transportation condition) 10 ~ 30°C (50 ~ 86°F) / 30 ~ 70% RH (Long term *Recommended)					
Estimated Archival life*	>50 years*					

*Estimated average archival life based on internal acceleration testing.
*Read cycles = Number of time for reading data in the disc

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