

# Optical Disc Archive Cartridge Generation 1

300GB\*, 600GB, 1.2TB and 1.5TB disc  
(Rewritable or Write once)

ODC300R, ODC300RE, ODC600R,  
ODC600RE, ODC1200RE, ODC1500R



## Overview

The 1.5 TB capacity write-once optical disc cartridge offers an alternative to LTO or traditional forms of data tape for the longer-term archiving of valuable assets. Sony optical disc cartridges are available in 300 GB\*, 600 GB, 1.2 TB and 1.5 TB capacity sizes, in re-writable and write-once formats.

*\*Product availability may vary by region. ODC300R and ODC300RE are discontinued in North America.*

The Sony optical disc cartridges are designed and manufactured to extremely high specifications, offering very fast random access to all content and files. The innovative drive design provides for a 'dual channel' capability and, being file format independent, it can store your assets in a data file format. The system is ideal for a wide range of deep archive requirements as well as near-online news and sports clips requiring fast and random access to any files on the disc. Optical disc complements and co-exists in an established data tape archive strategy.

The Sony Optical Disc Archive system is ideal for deep archive for very long term archiving, such as broadcaster archives where data tape does not provide the assurance or meet the need for write-once, very long-term archive requirements. It provides second copy archive at a remote site and is ideal for business continuity/disaster recovery, post house and production back-up and for video, film and stock footage archives or national archives. The system can also be used for news and sports clips that need to be near-online and as an on-line browse and proxy clip store.

## Features

The Sony optical disc cartridge system is designed and manufactured to extremely high specifications, offering a reliable, robust and portable media system for the very long term. Optical disc cartridges are available in 300 GB\*, 600 GB, 1.2 TB and 1.5 TB capacity sizes, in re-writable and write-once formats.

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Optical disc media is robust and reliable, with a very long shelf life, offering a

guaranteed 50+ years archive life. The optical disc cartridge is resilient to temperature extremes, humidity, dust and water.

There are no backward compatibility issues and no second-generation media migration is necessary, as the optical disc cartridge will maintain backwards read compatibility with future optical disc drives.

Files are written as data and any kind of data format can be archived for increased flexibility. The system is UDF compatible.

Optical disc cartridges total cost of ownership over their extended archive life will significantly reduce because of their minimal environmental storage demands.

Basic metadata can be stored on the Cartridge Memory to make it easier to locate data files.

Using an IT file data structure means data files can be accessed directly and randomly for flexibility and faster search capabilities. This function offers significant speed benefits over LTO tape for accessing short clips and allows the Optical Disc Archive system to work as near-line archive for production systems, as well as deep archive for the long term.

Specifications

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Disc	Archival Disc
Total capacity	ODC1500R: 1500 GB (1.5TB) ODC1200RE: 1200 GB (1.2TB) ODC600R: 600GB ODC600RE: 600GB ODC300R*: 300GB ODC300RE*: 300GB
Recording type	ODC1500R: Write Once ODC1200RE: Rewritable ODC600R: Write Once ODC600RE: Rewritable ODC300R*: Write Once ODC300RE*: Rewritable
Read cycle	ODC1200RE: 1,000 cycles ODC600RE: 1,000 cycles ODC300RE*: 1,000 cycles
Operating conditions	5 ~ 55 deg.
Storage conditions	-10 ~ 55 deg. / 3 ~ 90%RH (Short term) 10 ~ 30 deg. / 30 ~ 70%RH (Long term *recommended )
Archival life	50 year(estimated)

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North America.*

Related products



**ODS-D55U**

Optical Disc Archive standalone drive unit with transfer speeds 330 Mbps (read) and 210 Mbps (write-once disc) or 130 Mbps (rewritable disc)



**ODS-L100E**

PetaSite Optical Disc Archive library expansion unit (cartridge only)



**Virtual Tape mode License for FM2**

Virtual Tape mode License for FM2, (VTL), is a option license of File Manager2. The license enables tape protocol interface of File Manager2.



**File Server mode License for FM2**

File Server mode License of FM2(FSL) is an option license for File Manager2. The license enables standard file IO interface of File Manager2, and it can be usable by local or network applications (SMB).



**ODS-D77UA**

ODS-D77UA has very high transfer speeds. Read is 1.1Gbps. Write-once is 440 Mbps and Rewritable is 160 Mbps (verify on). Performance varies based on type of cartridge.



**ODS-L30M**

PetaSite Optical Disc Archive 30-slot master library unit



**ODS-L60E**

PetaSite Optical Disc Archive library expansion unit (drive and cartridge)



**ODS-D380U**

The latest Optical Disc Archive stand-alone drive with very high transfer speeds of 1.5 Gbps write (verify on) and 3 Gbps read using ODC-5500R Generation3 cartridge.

## Gallery

