

Professional Disc for DATA

Archive on the most advanced optical storage device. Reliable and durable with the highest capacity and fastest data transfer speed*.



Professional Disc
DATA

www.sonyisstorage.com

You make it a Sony



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Why Professional Disc for DATA?

Professional Disc for DATA is the most advanced professional data storage and archiving technology breakthrough by Sony, the recognised leader in the optical storage field for over 15 years. This amazing new 23GB blue laser optical storage and archiving technology is going to change the way you store, access and use information.

It is designed to meet today's data storage challenges by providing 23GB of storage capacity on just one single-side media, while the new drive sustains a maximum read transfer rate of 11MB/sec, making it ideal for data-intensive applications in markets such as healthcare, telecom, banking, insurance, legal and government.

The drive and media will feature a durable, airtight structure to prevent dust particle contamination of the drive mechanism and disc surface, increasing reliability for critical applications.

ReWritable media and write-once read many (WORM) media for regulatory and secure storage requirements will be supported.

The 5.25-inch internal drives will incorporate an Ultra 160 LVD/SE SCSI interface for easy integration into high-end workstations, servers and automated libraries used for storage and archival purposes.

Suitable for?

- Medical imaging
- Enterprise content management
- Document and image archiving
- E-mail archiving
- Administration archiving
- Web archiving and storage
- Network and file server backup
- Product control in video-editing, design & multimedia production offices
- Voice-recording

KEY FEATURES AND BENEFITS

- 23GB capacity! Now your picture, video, or business data can fit on just a single disc.
- High speed data transfer of 11MB/s (Sustain/Read) with ultra 160 LVD/SE SCSI interface. Perform your data saving and search operations with unparalleled speed.
- The compact 5.25-inch form-factor allows simple integration, facilitating easy introduction into client systems.
- Low cost per GB
- Robust dust-proof design maximizes reliability and durability. Both the disc drive and media are protected from dust, for those mission-critical applications.
- Media available in both ReWritable and Write-Once-Read-Many (WORM). Ideal for non-erasable, secure storage or audit trail applications.
- Strong roadmap to the 3rd generation in 2007 (100GB per disc) with backward compatibility.

Model code	BW-F101
Capacity	23.3GB
Host interface	Ultra 160 LVD/SE SCSI
Media supported	PDDRW23 (ReWritable – 23.3GB), PDDWO23 (Write Once – 23.3GB)
Disc sector size	2,048Bytes (512 Bytes emulation)
Sustained transfer rate	11MB/s (Read); 9MB/s (Write)
Burst transfer rate	160MB/s (Synchronous)
Seek time	CAV: 110 msec (1/3 stroke), 200 msec (full stroke)
Load/eject time	6.0 sec / 3.5 sec
MTBF	50,000 POH (90% Reliability), 100,000 POH (60% Reliability)
MSBF	300,000 SWAP
Power requirements	5V, 12V
Power consumption	Ave 14W
Dimensions	146.0 (W) x 41.4 (H) x 203.0 (D) mm
Weight	1.2 kg
Mounting orientation	Horizontal or Vertical
Tilt	< +/- 10°

* Researched by Sony in optical storage device (September 2003)

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