



# 100-DISC DVD-ROM AUTOCHANGER DRM-1004V40

**INTRODUCING  
THE WORLD'S FIRST  
100-DISC DVD-ROM  
AUTOCHANGER**

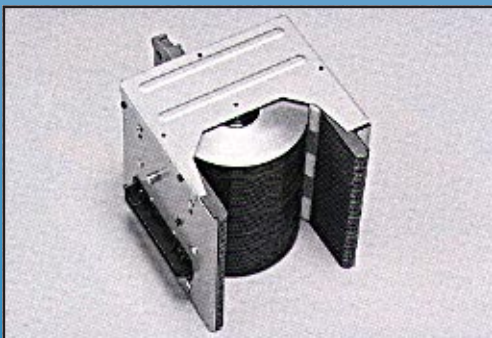


# Pioneer's DVD-ROM Optical Database System Supports Advanced Data Management with Faster Access Plus up to 850 Huge Storage Capacity

As office networking environments continue to expand, there is a rapidly increasing need for reliable and efficient systems that handle larger volumes of data. The launch of the DVD-ROM helps to meet this need by providing an optical disc medium that allows up to 4.7 GB of data to be stored on a 12 cm single layer disc (or 8.5 GB in the case of a dual layer disc). To allow users to take advantage of this exciting new development, Pioneer has launched the DRM-1004V40, a 100-disc jukebox-style autochanger featuring a 2.6X speed DVD-ROM read-only drive that enables rapid access to as much as 470 GB (single layer DVD)/850 GB (dual layer DVD) of data. For extra flexibility, the DRM-1004V40 also reads data from the latest DVD-R discs which can be written using Pioneer's DVR-S101 DVD-R drive. This system is also read compatible with conventional CD-ROM and CD-R discs at 20 times the standard speed, so there's no need to abandon your current data library in order to upgrade to DVD-ROM. Furthermore, to complement this versatility, Pioneer has equipped the DRM-1004V40 with an extremely durable mechanism that ensures the highest levels of operational reliability.

## Two Separate 50-Disc Magazines

The DRM-1004V40's magazine system can accommodate as many as 100 DVD-ROM/DVD-R or CD-ROM/CD-R discs on two separate, removable 50-disc magazines. This arrangement allows the user to load and unload discs easily and conveniently.



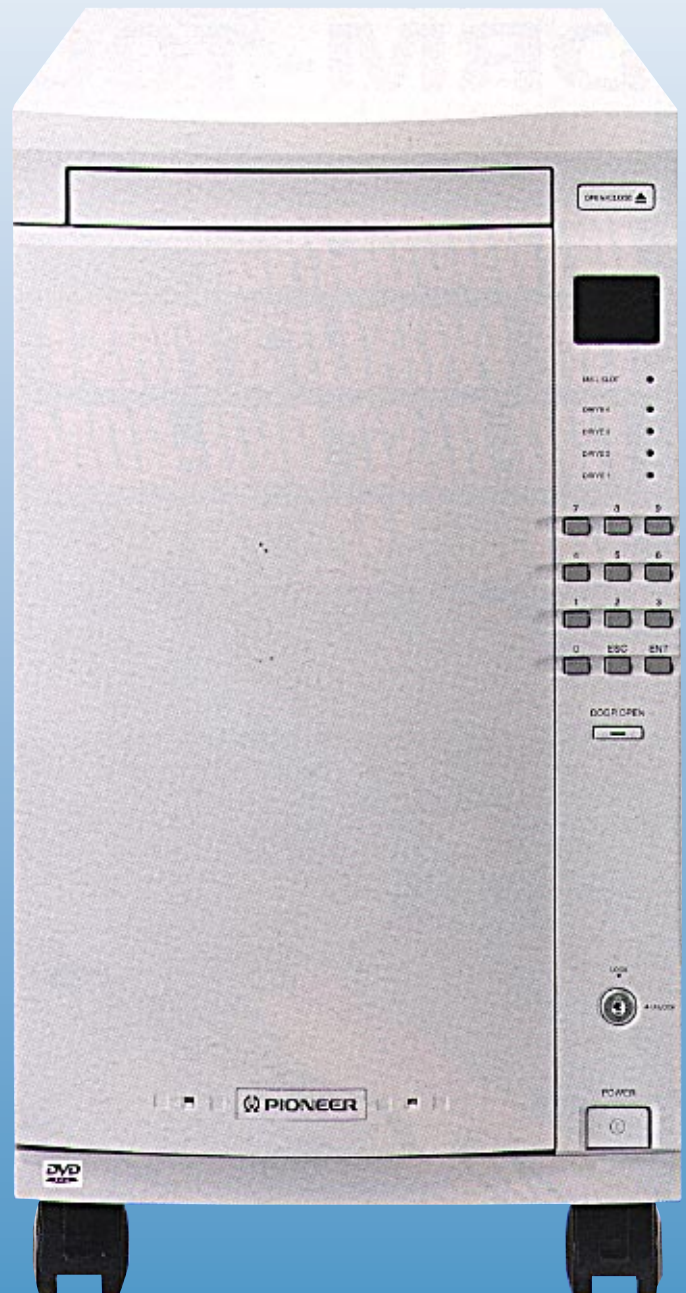
## High-Speed Disc Exchange

Pioneer's leading-edge servo technology enhances the data access efficiency of the DRM-1004V40 by automatically exchanging discs in just 6 seconds.



## User-Friendly Keypad Display and Disc Mailslot

The DRM-1004V40 is equipped with an ergonomically designed keypad display for simplified operation. A convenient mailslot allows users to insert and retrieve individual discs on command, thereby eliminating the need to open the jukebox door.



### Super-Fast 2.6X DVD-ROM Drive

Pioneer has designed the DRM-1004V40 to read out data from DVD-ROM discs at a speed of 3.5 MB/s, or 2.6 times the standard DVD-ROM rate. In addition, this autochanger is capable of reading CD-ROM discs at a sustained data transfer rate of 3 MB/s, which is a full 20 times the standard CD-ROM rate.

### Rugged Reliability and Amazing Versatility

Designed to ensure reliable operation in heavy-use environments, the DRM-1004V40 has achieved an MSBF rating of 2.5 million disc swaps. Furthermore, the drive is read compatible with all current DVD-ROM and CD-ROM discs.

### Simultaneous Multi-Drive Access

For high-demand data library and archive situations, Pioneer offers DRM-1004V40 models with up to four disc drives, this allows several users to access the database at the same time.

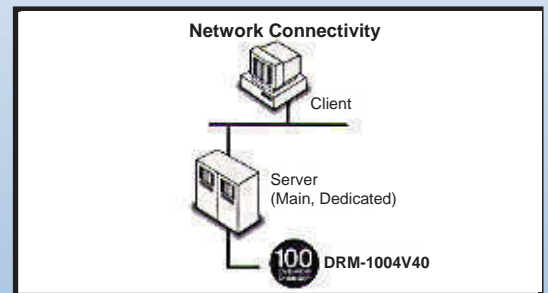
### Versatile Server/Network Compatibility

Using third-party software, the DRM-1004V40 can be easily integrated into all popular network environments including Windows NT, SUN, HP and SGI servers to support wide-ranging data retrieval, imaging and archival applications.

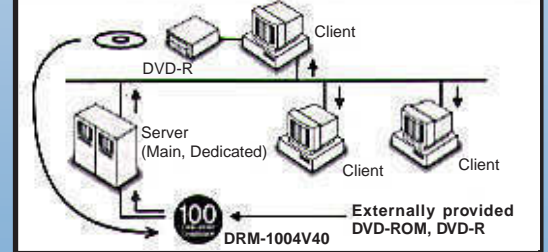
### Automatic Disc Inventory

The DRM-1004V40 incorporates a built-in non-volatile memory which automatically inventories each magazine. The feature eliminates the risk of inserting discs into an occupied slot, therefore preventing the risk of disc damage.

### Application Example



### DRM-1004V40:Reader only Example Configuration



### Example Application Environments

- Document Imaging
  - General Archiving
  - Pre-Press, Printing
  - Photo, Image Data Storage
  - Medical Data Archiving
  - CAD Data Archiving
  - Data Distribution
- Using the DRM-1004V40 as optical library for storage & retrieval/archival in a network environment, data-whether created in-house or obtained from an external source-can be accessed/archived by network clients in transparent manner, combined with the benefits of a centralized control.

### Configuration & Functions

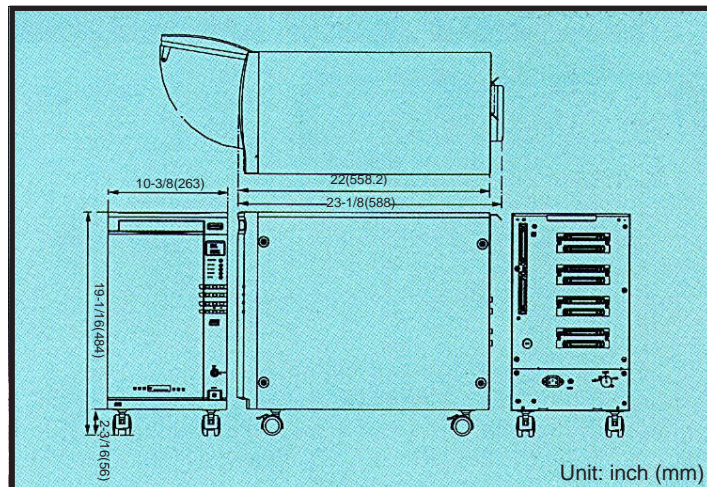
1 DVD-ROM Drive	11 AC Inlet
2 Mail Slot(Tray Bezel)	12 SCSI(Selector) Setting Switch for Drive
3 Open/Close Button	13 SCSI Connector for Changer
4 Mode Indicator	14 SCSI ID(Selector) Setting for Changer
5 Disc Indicator	15 SCSI Connector for Drive
6 Operation Key	16 Voltage Selector
7 Door Open Button	17 Audio Out Terminal for Drive
8 Key Switch	
9 Power on/off Button	
10 Elevator	

## DRM-1004V40 SPECIFICATIONS

General	
Number of Discs	Up to 100 DVD-ROM and/or CD-ROM discs (2 removable 50-disc magazines)
Configurations	Up to four read
Interface	SCSI-2
SCSI ID	Individually set for each drive and for jukebox robotics control
Disc Change Time	6 seconds
Disc Load Time	Less than 3 seconds
Safety Regulations	UL,CSA,TÜV,CE,FCC,VCCI,FA,DOC
Reliability	
Changer Mechanism(MSBF)	
Disc Change	2,500,000 times*
Mail-slot Open/Close	100,000 times
Reader Drive	
MTBF	100,000 POH(Duty 20%)
Physical Characteristics	
Dimensions (W x H x D)	10-3/8" x 19-1/16" x 23-1/8" (263 x 484 x 588 mm)
Weight (Net)	74 lbs. (33.6 kg)
Operating Voltage	AC100V,120V, 230V
Power Consumption	70W
Environmental Conditions	
Operating Temperature	41°F to 95°F degrees 5°C to 35°C degrees
Operating Humidity	5 to 80%RH
Storage Temperature	-40°F to 140°F degrees -40°C to 60°C degrees
Storage Humidity	10 to 90%RH

\*Apart from consumable parts.

## DIMENSIONS



Unit: inch (mm)

## DVD-R Drive DVR-S101

•Maximum Recording of 3.95 Gbytes/Side Plus High Reliability  
To further expand the DRM-1004V40's functionality, the DVR-S101 is capable of writing data onto the DVD-R discs sold by Pioneer and other makers.

### DVR-S101



DVD-R Disc  
DVS-V3950S

## INTERNAL DVD-ROM DRIVE SPECIFICATIONS

Media Type	DVD-Single & Dual Layer,DVD-R,CD-ROM Mode 1, CD-ROM XA Mode 2(form 1& 2), CD-DA,CD-R,CD-RW,CD-Extra,Video-CD Notes:DVD-RAM...not supported
Data Transfer Rate	
DVD-ROM(single)	2,8 MB/s - 3.5 MB/s
CD-ROM(Mode 1)	1,4 MB/s - 3.0 MB/s
Random Access Time(Average)	
DVD-ROM(single)	150 msec
CD-ROM(Mode 1)	120 msec
Audio Output Terminal	Stereo mini jack x 1

## Internal DVD-ROM Drive DVD-D302

Pioneer's DRM-1004X40 and 1004XR21 100-disc CD-ROM autochanger models can be upgraded for DVD use by replacing their CD-ROM drive units with the DVD-D302 DVD-ROM drive. However, upgrading is not possible in the case of older models.(For the specifications of DVD-D302,please refer to the chart on the left.)



Model	Drive Speed	Upgradable
DRM-1004X40	12X	Yes
DRM-1004XR21	12X	Yes
DRM-1004X-2	4.4X	No
DRM-1004X-4	4.4X	No
DRM-1004XR	4.4X	No

- For more details,contact one of the addresses below.
- Design and specifications are subject to change without notice.
- All other product names and company names are registered trademarks of their respective owners.

## CONTACT

- Pioneer Electronic Corporation (JAPAN) – URL:<http://www.pioneer.co.jp/>
- Pioneer New Media Technologies (USA), Inc. – URL:<http://www.pioneerusa.com/>
- Pioneer Electronics (Europe) N.V. – URL:<http://www.pioneer-eur.com/>
- Pioneer Electronics Asiacentre (ASEAN) PTE.LTD.– URL:<http://www.pioneer.com.sg/>

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