
Subject: CD-ROM

Posted by [nivek](#) on Mon, 23 Sep 2013 18:34:11 GMT

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I received some information from Sony about the CD-ROM's.

Sony CDU-1 CD ROM Drive Unit -

Performance.

Memory capacity: 540M bytes/disc

Total number of blocks: 270K blocks/disc

Data block size: 2K bytes (2,048 bytes)/block

Data block rate: 75 blocks/sec

Data Transfer Rate: 600K bytes/sec (max)

150K bytes/sec (sequential)

Average Access Time: 50 msec (block to block)

1,500 msec (first to last block)

Bit error rate: 10^{-12} (after error correction)

Physical Specs.

Optical pickup: Semiconductor Laser ($\lambda = 7,800 \text{ \AA}$)

Rotational speed: Approx. 200-530 rpm

Motor start-up time: 1 sec. (Max)

Usage: Horizontal only

Indicator: Activity indicator on the front panel

Operating temperature: 5C to 45C

Power requirements: +12V, 112V DC, 1A (average) 2A (peak)

+5V DC, 1A (average)

Dimensions: Envelope (149W x 82.6H x 208D)mm

Weight: 3 kg.

There is an optional AC power adapter that supplies all the correct voltages.
(AC-800 AC Power Adapter)

Complete with descramble, sync detection, header check and error correction.
No controller needed. Built in exactly the same size as a 5" floppdisk drive unit.

The data base you have built up can readily be transformed into CD ROM's. You send 1/2" recorded tapes to Sony and they add all necessary subcodes and error correction codes as well as sync and header signals.

Apparently these will be \$300 in quantity.