

NEW
HITACHI



CR-D10 Dockable DVD-RAM Recorder

**PRELIMINARY
SPECIFICATIONS**



The HITACHI CR-D10 DVD-RAM Dockable Recorder is the first generation of DVD-RAM products that promises to revolutionize content acquisition for broadcast and professional video camera users. Recent technological advances in DVD-RAM recording techniques and MPEG-2 compression have led the way to the introduction of the HITACHI CR-D10. This NEW and completely tape-less solution offers substantial benefits that reduce the capture, editing and distribution of television video and audio programming material.



The recording medium used by the HITACHI CR-D10 is a low-cost 8-cm DVD-RAM or DVD-R disc, which holds approximately 4,7Gb of data. Through the use of MPEG-2 compression, this translates to a minimum of 40 minutes per disc at the highest picture setting and 60 minutes at the standard setting.



Being a Dockable recorder, the CR-D10 offers immense flexibility in its use with popular Hitachi S-300/V-21 -series cameras by offering a direct electro-mechanical interface. Other dockable camera interfaces are optionally available.

The provided 2,5-inch swing-out color LCD screen facilitates the viewing of the recording, playback and menu navigation as well as being a high-quality confidence monitor. It is also a convenient viewfinder when the camera-recorder is used on a tripod or studio configuration.



There are three distinct ways recorded material can be ingested into the editing environment.

The most efficient is the physical movement of the DVD-RAM disc into a drive such as the Hitachi GF-1000 series where the digitally compressed MPEG-2 files can be downloaded and decoded by the NLE or Non-Linear Editor.

The second is to use its digital USB connection and transfer the DVD-RAM video into the NLE and last is the base band video play out of the recorded segments via traditional composite analog video and audio connection.

In the case of a digital-to-digital transfer, the speed is limited by the DVD-RAM drive's sustained data transfer rate and the specifications of the USB 1.1 protocol.



Due to the random-access nature of the DVDRAM disc, the CR-D10's Disc Navigation system offers a quick method of selecting and reviewing recorded material.

Video clips are represented on the LCD screen monitor by small clips or icons of the first frame of video of the recorded segment. The user can select the clip for play out or deletion without having to perform traditional rewind and fast-forward video tape review operations.

Recorder Control Panel & Disc Navigation Controls



Recording

1 Recording Medium	8-cm DVD-RAM/DVD-R (conforming to DVD-RAM Book 2.1)
2 Video Recording Format	DVD video recording standard
3 Audio Recording Format	MPEG2 Layer 2 (fs=48KHz 2ch)
4 Recording Time	Approx. 20 to 120 minutes (VBR)

Features

1 Video Monitor	2.5-inch LCD
2 Audio Monitor	Built-in audio confidence speaker
3 Video Input	Y/C, VBS
4 Video Output	75Ω BNC analog 1.0Vp-p VBS, USB 1.1 digital MPEG-2
5 Audio Input	2 analog (sym / Line)
6 Audio Output	2 analog via RCA, 2 Digital via MPEG-2 layer-2
7 Docking	Electro-mechanical to Hitachi S-3000/V-21-series cameras (others optionally available)

Physical

1 Dimensions	200 H X 285 L X 120 W (mm)
2 Mass	Approx. 2.3 kg
3 Power	12VDC, via 4-pin XLR, EXT & optional Anton Bauer Battery bracket



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