Panasonic
ideas for life

LQ-MD800
DVD Video Recorder

A Professional DVD Video Recorder
for higher Video and Audio perfomance.

Digital Video Recorder Using DVD-RAM/R Easy Operation and Fast Searching

This product complies to the medical electrical equipment standard with respect to electric shock, fire and mechanical hazards in accordance with IEC 60601-1, IEC60601-1-2 (EN 60601-1, EN 60601-1-2): (LQ-MD800P/LQ-MD800E)

This product is also classified by Underwriters Laboratories Inc. as to medical electrical equipment with respect to electric shock, fire and mechanical hazards only in accordance with UL 60601-1. Control number 76KA. (LQ-MD800P only)

High-quality images,High-quality audio recording

The Hybrid VBR MPEG2 encoder means High-quality images. Dolby Digital means High-quality audio. By recording in the XP or SP modes, you can record in Linear PCM (stereo) for even higher quality audio.

Maximum 8 hours recording

You can record a maximum of 8 hours on one double-sided 9.4 GB DVD-RAM disc. (4 hours maximum continuous recording)

Progressive output (NTSC only)

Connect to a Progressive signal compatible monitor for even higher quality images.

Remote control features

This unit comes standard with USB, RS-232C, PAUSE REMOTE for control. Remote control the unit from a PC.

NTSC/PAL switchable

Select the signal type (NTSC/PAL) to play or record either type.

Program search

Press the SEARCH button to bring up a list of programs. Then Select the program to start play.

Menu screens for simple operation

The menu screens offer easy-to-use icons for set-up and operation.

Program Editing [RAM]

You can divide and delete programs.
Create play list of just those scenes you need and play them in succession.

DVD-Video disc creation

By finalizing a DVD-R, you can create a disc that complies with DVD-Video standards and then play it on compatible DVD players.

Reliability

Industrial grade electronic parts

Key features

Direct recording into available space

You do not have to find a place to start as you do with tapes. There is also no fear of recording over previous recordings.

Send text data such as title

You can use the RS-232C/USB cables to send text information to use as program titles.

Auto-protect function

Recorded images can be protected automatically.

Repeat play, play list editing

Just decide a length of time to repeat, then specify the end point during play to play a section repeatedly. You can also edit together the images you need into a play list.

Play and edit on a PC
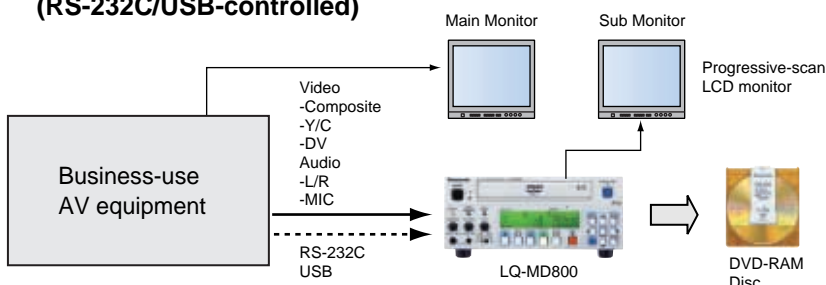
Use PC application to edit and create backup discs.

Small and light, power compatible between 100V and 240V

Compact so you have freedom in placement.

Discs for Superb Picture and Sound Quality,

Systems Applications

1. Image Filing System (RS-232C/USB-controlled)

Main Monitor

Sub Monitor

Progressive-scan LCD monitor

Video
-Composite
-Y/C
-DV
Audio
-L/R
-MIC

Business-use AV equipment

RS-232C
USB

LQ-MD800

DVD-RAM Disc

[1] Control of LQ-MD800 from business-use AV equipment
AV equipment with RS-232C control function can be used to control operations such as recording and playback, and playback modes like slow motion and fast forward.

[2] Direct recording onto free space on the disc, and prevention of accidental overwriting of previous data
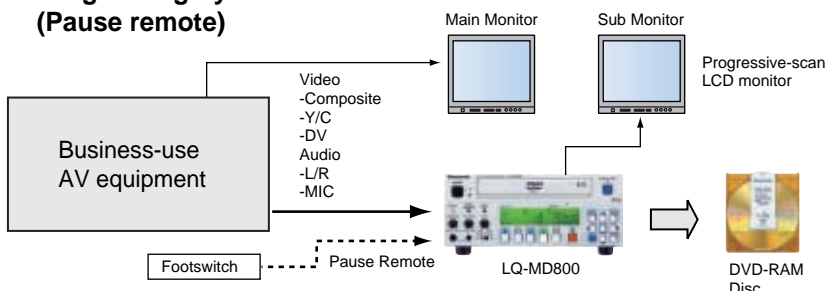Unlike videotape, the use of a disc eliminates the need to search for a blank space before you start recording. Also, you won't lose previously recorded data by accidentally recording over it.

[3] Recording of ID number and other information
A name and ID number can be recorded together with the title of the images via RS-232C/USB. A list can then be displayed for easy searching of recorded images.

[4] Audio input channels 1 and 2 for recording.

2. Image Filing System (Pause remote)

Main Monitor

Sub Monitor

Progressive-scan LCD monitor

Video
-Composite
-Y/C
-DV
Audio
-L/R
-MIC

Business-use AV equipment

Footswitch ----- Pause Remote

LQ-MD800

DVD-RAM Disc

[1] Remote record pause
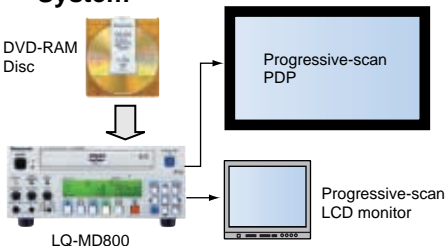Recordings can be started and paused by using a footswitch or other device.

[2] Recording of ID number and other information
A name and ID number can be recorded together with the title of the images via RS-232C/USB. A list can then be displayed for easy searching of recorded images.

[3] Progressive-scan playback (NTSC only)
DVD ensures high-quality image playback.

3. Seminar Room/Viewing Station System

DVD-RAM Disc

Progressive-scan PDP

LQ-MD800

Progressive-scan LCD monitor

[1] Image search (List search based on recording date/time or ID)
Pressing the button displays a list of recorded images together with their recording date/time, thus allowing a quick and easy selection of the images to view. By registering a name for each image title, searching becomes even more convenient.

[2] Progressive-scan playback (NTSC only)
DVD ensures high-quality image playback.

[3] Playlist playback
A playlist can be produced for the programmed playback of selected images.Repeat loops are easily selected.
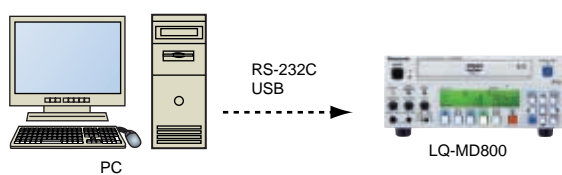
4. Editing Room System

Network

DVD-RAM Disc

-PC with DVD-RAM drive
-DVD editing software
-DVD authoring software.
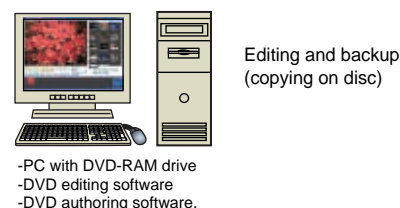
[1] Playback and editing of images using a PC
Recorded images can be edited and a backup disc can be produced by using DVD editing/authoring software.

Using a PC for Control and DVD Editing

Controlling operation with a PC (Control software must be customized.)

PC

RS-232C
USB

LQ-MD800

DVD-RAM Disc

Using a PC for DVD editing

Editing and backup (copying on disc)

-PC with DVD-RAM drive
-DVD editing software
-DVD authoring software.

PC Control Example

In addition to basic VTR-like operation, the use of a disc allows the following convenient functions to be controlled from a PC.

Equipment Management	Acquisition of equipment status data: Operating mode, counter value, maintenance information
Disc management Operation	Data management: Disc title, program titles Space availability management: Confirmation of available recording space
Operation	Basic operations: Record, play, stop, special playback modes (frame-by-frame, slow, search) Search function: Direct search using counter value or program number GUI: Menu operation, etc.

LM-AB120M 4.7GB
Single Sided
Removale-cartridge

DVD-RAM disc features

High reliability
- Cartridge-type, easy handling
- DMS (Defect Management System) jumps over drops and scratches for recording (UDF2.0)

High capacity, removable
- Ideal for an image library
- Long term storage with no change
- Single-sided 4.7 GB/Double-sided 9.4 GB

The DVD-RAM disc is available at the following web page.

USA
http://www2.panasonic.com/
EUROPE
http://www.panasonic-ebiz.com/consumer/de/
UK
http://shop.panasonic.co.uk/icat/dvdramdiscs

SPECIFICATIONS

General

Power supply :	AC 100-240 V, 50/60 Hz
Current consumption :	0.51-0.28 A
Recording System :	DVD Video Recording Standards (DVD-RAM)
	DVD Video Standards (DVD-R)
Recordable discs :	DVD-RAM 12cm (4.7 GB/9.4 GB)
	DVD-R 12cm (4.7 GB) for General Ver.2.0
	DVD-R 12cm (4.7 GB) for General Ver.2.0
	4x-SPEED DVD-R Revision 1.0
Recording Time :	Maximum 4 hours (with 4.7 GB disc)
	XP: Approx. 1 hour, SP: Approx. 2 hours,
	LP: Approx. 4 hours
Playable discs :	DVD-RAM 12cm (4.7 GB/9.4 GB)
	DVD-R 12cm (4.7 GB) for General Ver.2.0
	DVD-R 12cm (4.7 GB) for General Ver.2.0
	4x-SPEED DVD-R Revision 1.0
Operating Temperature :	41 F°-104 F° (5 C°-40 C°)
Operating Humidity :	10 %-80 % RH (no condensation)
Dimensions :	8-7/16 (W) x 4-1/32 (H) x 14-3/8 (D) inch
	214 (W) x 102 (H) x 365 (D) mm
Weight :	10.14 lbs (4.6 kg)

Video

Video System :	NTSC color signal, 525 Lines, 60 Fields
	PAL color signal, 625 Lines,50 Fields
Recording system :	MPEG2 (Hybrid VBR)
Video In :	BNC x 1 1.0 Vp-p 75 , unbalanced
	S-Video In (4P) x 1
	Y: 1.0 Vp-p 75 , unbalanced
	C: 0.286 Vp-p, burst level 75 , unbalanced (NTSC)
	C: 0.3 Vp-p, burst level 75 , unbalanced (PAL)
	DV-Input x 1 IEEE1394 Standard, 4pin (PAL/NTSC)
Video Out :	BNC x 2 1.0 Vp-p 75 , unbalanced
	S-Video In (4P) x 1
	Y: 1.0 Vp-p 75 , unbalanced
	C: 0.286 Vp-p, burst level 75 ,unbalanced (NTSC)
	C: 0.3 Vp-p, burst level 75 , unbalanced (PAL)
	Component video output (BNC)
	(NTSC 480P/480I) (PAL 576I)
	Y: 1.0 Vp-p 75 , unbalanced
	PB: 0.7 Vp-p 75 , unbalanced
	PR: 0.7 Vp-p 75 , unbalanced

Audio

Recording System :	Dolby Digital 2ch, Linear PCM 2ch (XP/SP mode)
Audio In :	PHONO x 2, Reference Level, -10 dBv, 47k unbalanced
	MIC In (mini jack) x 1 - 50 dBv, 3k unbalanced
Audio Out :	PHONO x 2,Reference Level, -10 dBv, 600 unbalanced
	MONITOR Out (PHONO) x 1
	-10 dBv, 600 unbalanced
	Headphones Out (Stereo mini jack) x 1
	Variable Level,Maximum, - 28 dBv, 8 unbalanced
Remote	USB (Type-B connector)
	USB Ver.1.1 (cable length: max. 3 m)
	RS-232C (D-sub 9 pin)
	PAUSE REMOTE (Stereo mini jack)

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

Dimensions

14-3/8"
(365mm)

8-7/16"
(214mm)

3-15/32"
(88mm)

4-1/32"
(102mm)

[Countries and Regions]

Argentina	+54 114 308 1610	Korea	+82 2 2106 6641
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Austria	+43 (0)1 610 80 773	Lebanon	+961 1 216827
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JQA-0443

ISO 14001
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