

Panasonic
ideas for life

LQ-**MD800**
DVD Video Recorder

A Professional DVD video recorder to realize higher level of Video and Audio.





Digital Video Recorder Using DVD-RAM 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 2602-1. 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
- Service data available through RS-232C

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, NTSC/PAL

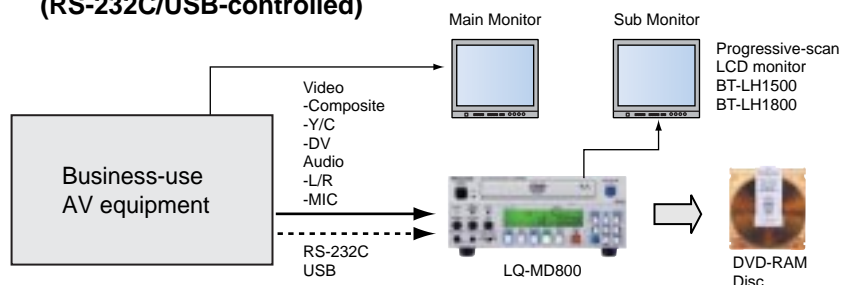
Compact so you have freedom in placement.

Play recordings made overseas (NTSC/PAL switchable).

M/R Discs for High Picture and Sound Quality,

Systems Applications

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



[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.

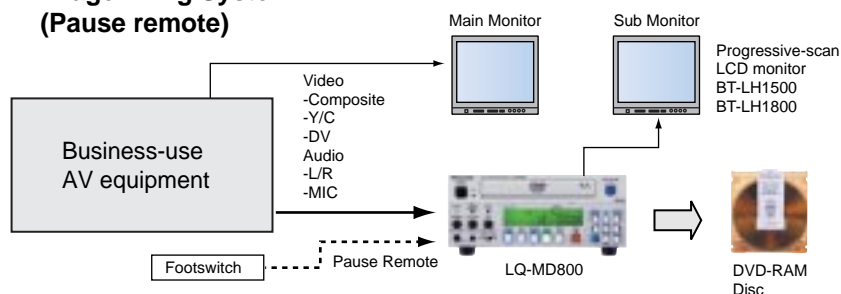
[3] Recording of ID number and other information

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 voices through microphones, and playing back recorded voices.

Voice narration can be recorded with high sound quality.

2. Image Filing System (Pause remote)



[1] Remote record pause

Recordings can be started and paused by using a footswitch or other device.

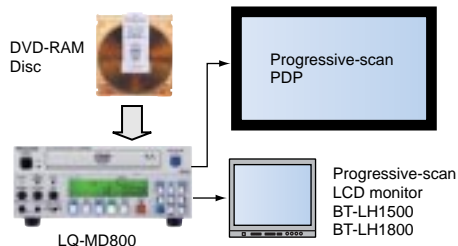
[2] Recording of ID number and other information

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 System



[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.

4. Editing Room System

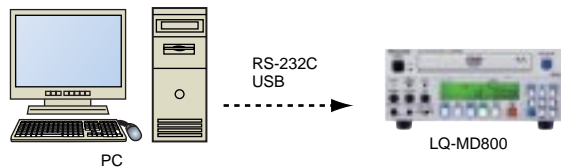


[1] Playback and editing of images using a PC

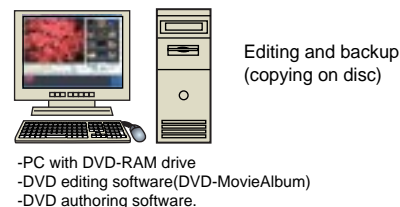
Recorded images can be edited and a backup disc can be produced by using DVD editing/authoring software.

Using a PC for Control and DVD Editing

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



Using a PC for DVD editing



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-AD240U 9.4GB
Double Sided Removable



LM-AF120U 4.7GB
Single Sided Non-cartridge



LM-AF120U3 4.7GB
Single Sided Non-cartridge

*In 9.4 GB double sided DVD-RAM, the capacity of record and playback is 4.7 GB for each side.

DVD-RAM disc features

High reliability

- Cartridge-type, easy handling
- Rewriting 100, 000 times
- DMS (Defect Management System) jumps over drops and scratches for recording (UDF2.0)

High capacity, removable

- Ideal for an image library
- Long term storage 30 years and more with no change
- Single-sided 4.7 GB/Double-sided 9.4 GB

SPECIFICATIONS

General

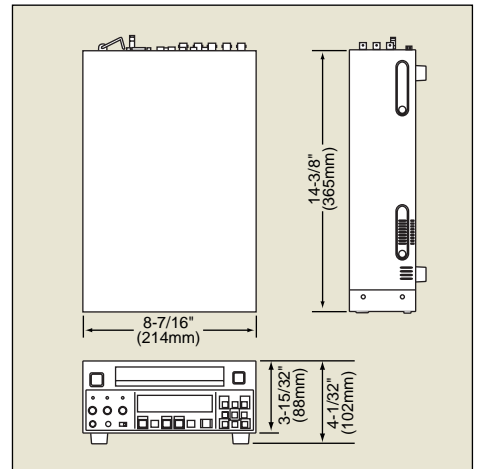
Power supply :	AC 100-240 V, 50/60 Hz
Current consumption :	0.51-0.28 A
Recording System :	DVD Video Recording Standards (DVD-RAM) DVD Video Standards (DVD-R)
Recordable discs :	DVD-RAM 12cm (4.7 GB/9.4 GB) DVD-R 12cm (4.7 GB) for General Ver.2.0 DVD-R 12cm (4.7 GB) for General Ver.2.0 4x-SPEED DVD-R 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



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Iran	+98 21 2271463	Slovak Republic	+421 (0) 2 52 92 14 23		
Italy	+39 02 67 88 449	Slovenia, Croatia, Bosnia, Macedonia*	+44 (0) 20 76 63 36 57		
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