

## DVR-640H-S

**A User-Friendly DVD Recorder with 160GB HDD for Up to 340 Hours\*<sup>1</sup> of Recording, Versatile Compatible Formats, Digital Juke Box Function, and USB Terminal for WMA/MP3/JPEG Playback and Storage in HDD**

### Recording and Playback Features

- Built-in 160GB Hard Disk Drive with Up to 340 Hours\*<sup>1</sup> Recording Capacity in lowest quality mode
- 10 Hours of DVD Recording/17.9 Hours of DVD-R DL Recording Time (SEP Mode)\*<sup>1</sup> in lowest quality mode
- HDD/DVD-R/-RW/DVD-R DL/DVD-RAM/DVD+R/+RW/DVD+R DL Recorder\*<sup>2</sup>
- DVD-R/DVD-R DL/DVD-RW (Video Mode and VR Mode Recording, Compatible with CPRM\*<sup>3</sup>)/DVD-RAM (Compatible with CPRM\*<sup>3</sup>)/DVD+R/+RW/DVD+R DL/DVD Playback Capability\*<sup>4</sup>
- Digital Juke Box Function — Store WMA/MP3 files (from CD-ROM/USB) in the HDD for Playback at Ease
- USB Connection for WMA/MP3/JPEG Playback and File Storage in HDD, and “PictBridge” function for Printing Digital Still Photos without Connecting to a PC
- Official DivX<sup>®</sup> Certified Product
- Plays all versions of DivX<sup>®</sup> video (including DivX<sup>®</sup> 6) with standard playback of DivX<sup>®</sup> media files
- WMA (Windows Media<sup>®</sup> Audio)/MP3/JPEG PhotoViewer (FUJICOLOR CD) Compatible
- CD-R/CD-RW/Video CD Playback Capability
- High-Speed Copying from HDD to DVD-R/RW Disc, and from DVD-R/DVD-RW/DVD-RAM to HDD in VR Mode
- Tuner (VHF: 2 – 13ch, UHF: 14 – 69ch, CATV: C1 – C125ch)

### User-Friendly Features

- Advanced GUI (Graphical User Interface) with Advanced Disc Navigator (with Moving Digest Thumbnails) and Set-up Navigator
- On-Screen “HELP” Guide
- User-Friendly Remote Control
- Chase Play and Playback with Recording (HDD)
- One-Touch Recording
- One-Touch Copy
- Commercial Skip/Back
- Easy Title Input (Like Mobile Phone)
- 1.5x View — Allows 1.5x Speed Playback with Audio
- Auto Scan Channel Preset
- Quick Start Guide
- VCR Plus+<sup>®</sup> System
- Disc Backup
- Resume Function by Title
- Optimize HDD

### Features for High-Quality Pictures

- High-quality DVD-RW Technologies for Optimized Recording:
  - Precision Recording Technology
  - Virtual Liquid Crystal Tilt Mechanism
  - Ultra DRA (Dynamic Resonance Absorber)

- Variable Bit Rate Recording
- 10-bit/54MHz Video DAC (10-bit/108MHz with progressive scan output)
- PureCinema 2:3 Progressive Scan
- 3-D Y/C Separation
- Block Noise Reduction

### Audio Features

- 24-bit/192kHz Audio DAC
- Dolby Digital<sup>®</sup>/DTS<sup>®</sup> (Digital Theater System) Digital Output

### Terminals

- Front: 1 A/V Input, 1 S-Video Input
- Rear: 2 A/V Inputs/2 S-Video Inputs
- Component Video Output
- 1 Coaxial Digital Audio Output
- SR (Smart Remote) Terminal
- 2 USB Terminals (Type A and Type B)

### Specifications

- Power Requirements: AC120V/60Hz
- Dimensions (W x H x D): 16-9/16 x 2-11/16 x 12-1/2 inches/ 420 x 69 x 318mm
- Weight: 9 lbs 7 oz/4.3kg



WMA/MP3

RW  
COMPATIBLE



PhotoViewer



## DVR-640H-S

\*1 340 hours recording time in HDD, 10 hours DVD recording time, and 17.9 Hours of DVD-R DL recording are available only in lowest quality mode (SEP Mode).

\*2 The following media is compatible with this product: DVD-RW Ver1.1/1.2 (certain manufacturers); DVD-R Ver2.0/Ver2.0 (certain manufacturers); DVD-R DL Ver.3.0; DVD-RAM; DVD+R; DVD+RW; DVD+R DL. Higher speed media will not increase recording capacity. Write speed may vary depending on media speed as well as the age and condition of the media. Recording time significantly reduced in highest quality mode.

\*3 CPRM copy protection technology with scramble system allows recording of copy-once broadcast programs, but not copying of such recordings. CPRM recordings can only be made on DVD-R, DVD-RW, and DVD-R DL discs in VR mode and DVD-RAM discs, and can only be played on CPRM-compatible players.

\*4 This unit may not be able to record to or play back discs that have been recorded on other units due to the recording conditions, mode, surface dirt or scratches. Other units may not be able to record to or play back discs that have been recorded on this unit due to the recording conditions, mode, surface dirt or scratches.

\* Compatible with MPEG1 Audio Layer3 32, 44.1, or 48kHz formats • Recording format should be in accordance with ISO9660 CD-ROM file system • MP3 file name requires MP3 or mp3 as an extension • Chinese characters cannot be displayed, although files featuring them can be played • Up to 99 folders or 999 files can be played per disc • Can play with VBR (Variable Bit Rate), but playing time may not be shown correctly.

\* Can play CD-R and CD-RW music discs in music CD and Video CD format. However, the pickup may not be able to play some CD-R or CD-RW discs, depending on the condition of discs and pickup. This recorder cannot record

CD-R or CD-RW discs. Compatible formats: CD-Audio, Video CD. Multi-session Playback: Yes (Except CD-Audio and Video CD). Unfinalized disc playback: CD-Audio only.

• Analog Input — when recording from an analog signal, some degradation in picture quality may occur when analog signal is converted to digital. • DVD players and DVD discs have Regional Code classifications that determine their market area and compatibility. Discs and players must have matching codes in order to be played. This DVD player is classed as Regional Code 1. • About DualDisc Playback: A DualDisc is a new two-sided disc, one side of which contains DVD content — video, audio, etc. — while the other side contains non-DVD content such as digital audio material. The non-DVD, audio side of the disc is not compliant with the CD Audio specification and therefore may not play. It is possible that when loading or ejecting a DualDisc, the opposite side to that being played will be scratched. Scratched discs may not be playable. The DVD side of a DualDisc plays in this product. DVD-Audio content will not play. For more detailed information on the DualDisc specification, please refer to the disc manufacturer or disc retailer. • Specifications and design subject to modification without notice. • "VCR Plus+", "PlusCode", and the VCR Plus+ logo are trademarks of Gemstar Development Corporation. The VCR Plus+ system is manufactured under license from Gemstar Development Corporation. • RW compatible indicates playback compatibility with DVD-RW discs recorded in VR mode (Video Recording format). Discs recorded with a record-only-once encrypted program, however, can only be played back on a CPRM compatible device. • The DVD logo is a trademark of DVD Format/Logo Licensing Corporation.

\* Microsoft, Windows Media and the Windows logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries. WMA content can be encoded by using Windows Media® Player version 7, 7.1, or Windows Media® Player for Windows® XP, or Windows Media® Player 9 Series. Compatible with sampling rate of 32,44.1 or 48kHz. Not compatible with loss-less-encoding or variable bit-rate (VBR) WMA files. WMA files encoded with DRM (Digital Rights Management) copy protection\*\* will not play. Up to 99 folders or 999 files (MP3 and WMA) in total can be played. [\* \*\*DRM copy protection: (Digital Rights Management) copy protection is a technology designed to prevent unauthorized copying by restricting playback, etc. of material or devices other than the PC (or other WMA recording equipment) used to record it. For detailed information, please see the instruction manuals or help files that came with your PC (or other WMA recording equipment) and/or software.]

\* JPEG PhotoViewer. This player is compatible with FUJICOLOR CD, as well as CD-R/RW/ROMs containing JPEG files (up to 99 folders or 999 files) • Baseline JPEG and EXIF 2.2 still image files up to 6 megapixels are supported. File format used by digital still cameras • The CD-R/RW/ROM containing the JPEG files must be ISO 9660 Level 1 or 2 compliant • CD physical format: Mode 1, Mode 2 XA Form 1.

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\* DivX, DivX Certified, and associated logos are trademarks of DivX, Inc. and are used under license.

\* FUJICOLOR and the FUJICOLOR logo are trademarks of FUJI PHOTO FILM Co., Ltd.

\* DTS and DTS Digital Out are registered trademarks of Digital Theater Systems, Inc.

\* "Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Group.