



Wafian HR-1

HD Direct-to-Disk Recorder



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The Wafian HR-1 Direct-to-Disk Video Recorder makes recording master quality HD video simple and affordable.

Visual Quality

Recording direct-to-disk with the Wafian HR-1 improves the visual quality of your footage by avoiding on camera compression and the limited bandwidth of HD tape formats. For keying, the HR-1 offers a Chroma Key mode that preserves extra information around edges to help your keying software.

	HORIZONTAL	CHROMA	BITRATE	COMPRESSION
Wafian HR-1	1920	4:2:2	120—220*	Wavelet
HD D5	1920	4:2:2	250	DCT
HD CAM	1440	3:1:1	144	DCT
DVC Pro HD	1440	4:2:2	100	DCT
HDV	1440	4:2:0	25	DCT

* CineForm Intermediate uses temporal compression to further reduce bitrate over I-Frame only codecs.

Efficient

Recording with the HR-1 saves you valuable time and money by making the post production workflow more efficient. The Wafian HR-1 allows users to transfer files to an editing station through Gigabit Ethernet and FireWire. During play out, the HR-1 delivers uncompressed video through the HD-SDI and HD-Component outputs. In addition, the HR-1 allows you to immediately review the clips it records, enhancing creative control without slowing down your production.

Easy to Use

The HR-1 incorporates an easy to use touch screen interface and one-button record operation. The result: it is easy to train people to use the HR-1 and start recording immediately.

Applications:

- Film & Video Recording
- Commercial Production
- Music Videos
- Post Production
- Broadcast
- Green Screen
- Computer Animation
- Deck Replacement

Features:

- Direct-to-Disk Recorder
- HD-SDI & HD Component Video
- 10-bit, 4:2:2 Chroma
- Full Frame 1920 x 1080
- Chroma Mode For Keying
- Touch Screen One-Button Record
- Immediate Playback & Review
- Inverse Telecine
- Store up to 18 Hours +/-
- Gigabit Ethernet
- FireWire
- USB-2

Benefits:

- Better Quality than HDV, HDCAM, DVCPro HD
- Improved Workflow, Save Time and Money
- Extended Recording*
- Immediate Playback & Review
- Affordable HD-SDI Recording

*Duration Depends on Recording Format

Call or Visit Our Website To Learn More About the Wafian HR-1 Direct-to-Disk Recorder

858-863-4166
www.wafian.com

HR-1 Receives DV Magazine

"Award of Excellence" 

"This Changes Everything!"

Scott Billups DP, VFX Supervisor, Author

"This Box is Magic!"

Geoff Pepos, Writer and Director

"We Loved Using the HR-1"

Brad White, Image Line Productions

SHOOT: The HR-1 enhances your creative options. Whether you are shooting the Canon XL H1, the JVC GY-HD100U or even the Sony F900, recording with the HR-1 will make your pictures look better.

RECORD: Recording to the HR-1 couldn't be easier. Simply connect your HD Video Camera to the HR-1 through HD-SDI or HD-Component and select a preset for your camera. Our built-in touch screen with single button operation eliminates the need for a cryptic manual to get set up for your shoot. The HR-1 is ready to record out of the box.

Special Features on the HR-1 include the ability to record Canon 24F mode as 24P through HD-SDI. The HR-1 automatically removes the pull down to deliver true 4:2:2 1920 x 1080 24P.

Using the JVC GY-HD100U, the HR-1 records 4:2:2 1280 x 720 in both 24P and 60P modes directly from its HD-Component outputs. While recording in 60P mode, the HR-1 can do real-time "under cranking" to create a slow-motion effect of 1.25x, 2x, or 2.5x.

EDIT: The HR-1 streamlines your workflow from recording to editing using the award winning CineForm Intermediate format. Transfer recorded footage over Gigabit Ethernet or FireWire into your editing station immediately. No more wasting time on ingesting tape. Our Digital Master workflow allows post production to share and work with perfect digital master copies. Industry experts are successfully using CineForm's Digital Intermediate on productions such as Dust to Glory, Ibs, The Violent Kind, and various television commercials."

WAFIAN HR-1 SPECIFICATIONS

Connectors:	HD-SDI: 1 Input, 2 Output BNC
Breakout Cable:	HD-Component In & Out 2ch AES & Analog
Video Formats:	HD-SDI 1920x1080 24psf / 25psf / 30i 1280x720 60p / 50p NTSC PAL 4:2:2--8 or 10 bit color Embedded, generated, time-of-day time code
	HD-Component Analog 1920 x 1080 24psf / 25psf / 30i 1280x720 60p NTSC PAL 4:2:2--8 or 10 bit color Time code RP188, generated, time-of-day
Audio Formats:	8 channel 48 kHz HD-SDI Embedded 2 channel 48 kHz AES/EBU or Analog
Recording Formats:	CineForm Digital Intermediate™ AVI & MOV YUV 4:2:2 (8 or 10 bit) VBR 12-25 MB/s
Storage Configurations & Capacity:	18 Hours - 4x500 GB RAID-10 36 Hours - 4x500 GB RAID-0
Interfaces:	IEEE 1394A USB 2 Gigabit Ethernet RS 422*
Dimensions:	482 mm (W) x 545 mm (D) x 177 mm (H)
Case and Storage:	Rugged Steel Chassis Shock-resistant disk drive bay 8.4" touch-screen color display (1024x768) Lockable Front Cover Plate Shock Mount External Case (optional)
Operating Temperature:	32-104 F or 0-40 C

NOTE: Specifications are subject to change.

*RS422 available late 2006

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CINEFORM
Intermediate
DIGITAL MASTER

