

*Wafian HR-1*  
***Direct-to-Disk HD Video Recorder***



WAFIAN 

HR-1

The Wafian HR-1 makes recording master quality high-definition video simple and affordable.

## *Wafian HR-1* **Direct-to-Disk HD Video Recorder**

The HR-1 records video direct-to-disk giving you better image quality than tape-based solutions and saves you money by keeping your footage on-line and ready for editing.



### ***Applications***

- Film and Video Production
- Commercials
- Music Videos
- Post Production
- Broadcast
- Chroma Mode for Green Screen
- Computer Animation
- Events & Sports
- Surveillance
- Medical
- VTR Replacement

### ***Features***

- Direct-to-Disk Recorder
- HD-SDI, SDI, HD & SD Component Video
- Full Resolution, 10-bit, 4:2:2 Video
- 16-bit, 48khz, 8-channel Audio
- Easy to use touch-screen controls
- Immediate playback and review
- Real-time inverse telecine
- Fast offload with Gigabit Ethernet, USB2, 1394a, External Drives
- Mirrored storage: 18 hours of 1920x1080 24p (15 MB/s)
- Disk Redundancy protects footage

### ***Benefits***

- Better quality than other HD formats
- Improved workflow efficiency
- Saves time and money
- Online all the time
- Most affordable HD-SDI recorder
- Long duration takes
- Massive redundant storage



## **HR-1 Receives DV Magazine “Award of Excellence”**



*“This Changes Everything!”*

**Scott Billups**

DP, VFX Supervisor, Author of Digital Moviemaking

*“There’s a lot to gain by shooting films  
this way. I’m going to continue to  
make films this way.”*

**Andrew Bronstein**

Producer, Scourge Productions

*“We Loved Using the HR-1.”*

**Brad White**

Image Line Productions

### **About the CineForm Intermediate™**

The Wafian HR-1 records into the award winning CineForm Intermediate format. Designed for the demands of post production, the digital master is visually lossless for more than 15 generations. Using advanced wavelet encoding, it offers superior visual quality and an efficient online all the time workflow.

### **Efficient**

Recording with the Wafian HR-1 saves you valuable time and money by making your workflow more efficient. The footage on the HR-1 can be transferred as digital files to an editing station through Gigabit Ethernet, USB2, 1394a, or an External Drive.

During playback, the HR-1 delivers uncompressed video on the HD-SDI and HD-Component outputs.

The HR-1 allows you to immediately review recorded clips, giving you more creative control without slowing down your production.

### **Easy to Use**

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



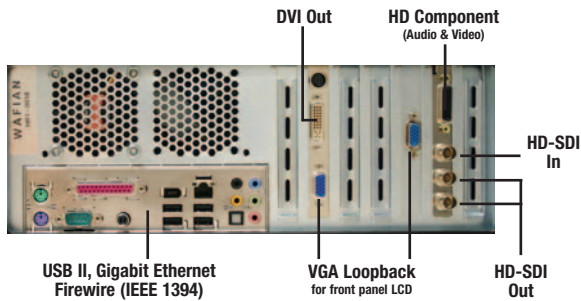
**Call or Visit our Website to Learn More About the  
Wafian HR-1 Direct-to-Disk HD Recorder.**

**858-863-4166**

**[www.wafian.com](http://www.wafian.com)**

Wafian HR-1

## Direct-to-Disk HD Video Recorder



### Turn your HR-1 into a rugged field unit



### Quick-and-easy transfer to your edit bay

Add internal and external drive trays with removable caddy. The kit comes with two SATA II 500GB drives for fast and easy footage transfer

## Wafian HR-1 Specifications

### GENERAL:

<b>Power Supply</b>	AC 110-240V
<b>Power Consumption</b>	550W Power Supply, 250W Measured Draw
<b>Operating Temperature</b>	32-104 F, 0-40 C
<b>Weight</b>	60 lbs
<b>Dimensions (WxHxD)</b>	482 mm x 545 mm x 177 mm (Fits standard 4U rack)
<b>Recording Format</b>	CineForm Intermediate (VBR Wavelet, 80-240 mbps)
<b>File Format</b>	.MOV (QuickTime) and .AVI (Windows) Files
<b>Case</b>	Rugged steel chassis with shock-resistant drive bay
<b>LCD</b>	8.4 inch touch-screen color display
<b>External Connections</b>	Gigabit Ethernet, USB2, IEEE 1394a, External Drive
<b>Capacity</b>	4x500 GB RAID 10 (Mirrored) - 18 Hours (15 MB/s 1920x1080 24p) Or, 4x500 GB RAID 0 (Stripped) - 36 Hours (15 MB/s 1920x1080 24p)
<b>Time Code</b>	HD-SDI (RP-188) Embedded, Record Run, and Time-of-Day
<b>Device Control</b>	9-Pin Protocol over RS-232, see users guide for supported commands
<b>Reference Input</b>	Analog Color or Tri Level Sync via Breakout cable

### VIDEO:

<b>HD &amp; SD SDI Input</b>	1 BNC (SMPTE 259/292/296)
<b>HD &amp; SD SDI Output</b>	2 BNC
<b>Formats</b>	1920x1080i - 25, 29.97, 30 1920x1080p & psf - 23.98, 24, 25, 29.97, 30 1280x720p - 50, 59.94, 60 NTSC (525 29.97i) PAL (625 25i)
<b>Sampling/Quantization</b>	4:2:2, 10-bit
<b>Analog</b>	Component and Composite via Breakout Cable (12-bit A/D)
<b>Inverse Telecine</b>	24p from 1080 30i and 24p from 720 60p

### AUDIO:

<b>Input</b>	Via Breakout Cable: 2 Balanced XLR, AES/EBU
<b>Output</b>	Via Breakout Cable: 2 Balanced XLR, AES/EBU, Headphones
<b>Channels</b>	SDI - 8 channels Analog - 2 channels AES/EBU - 2 channels
<b>Sampling/Quantization</b>	48 kHz, 16-bit

### OPTIONAL ACCESSORIES:

<b>Drive Kit</b>	Internal and external drive tray with 2 x 500gb SATA II drives and swappable enclosures
<b>Shock Case</b>	Shipping case with internal shock mount rack and wheels for shipping and field use

Features and specifications are subject to change without notice.  
Weight and dimensions are approximate.  
1 year warranty.

**CINEFORM**  
Intermediate  
DIGITAL MASTER



### Wafian Corporation

674 Via De La Valle, Suite 100  
Solana Beach, CA 92075

P: 858-863-4166

F: 858-228-1774

www.wafian.com