

The "Field Oriented" design concept of this Recorder will streamline your video production workflow.

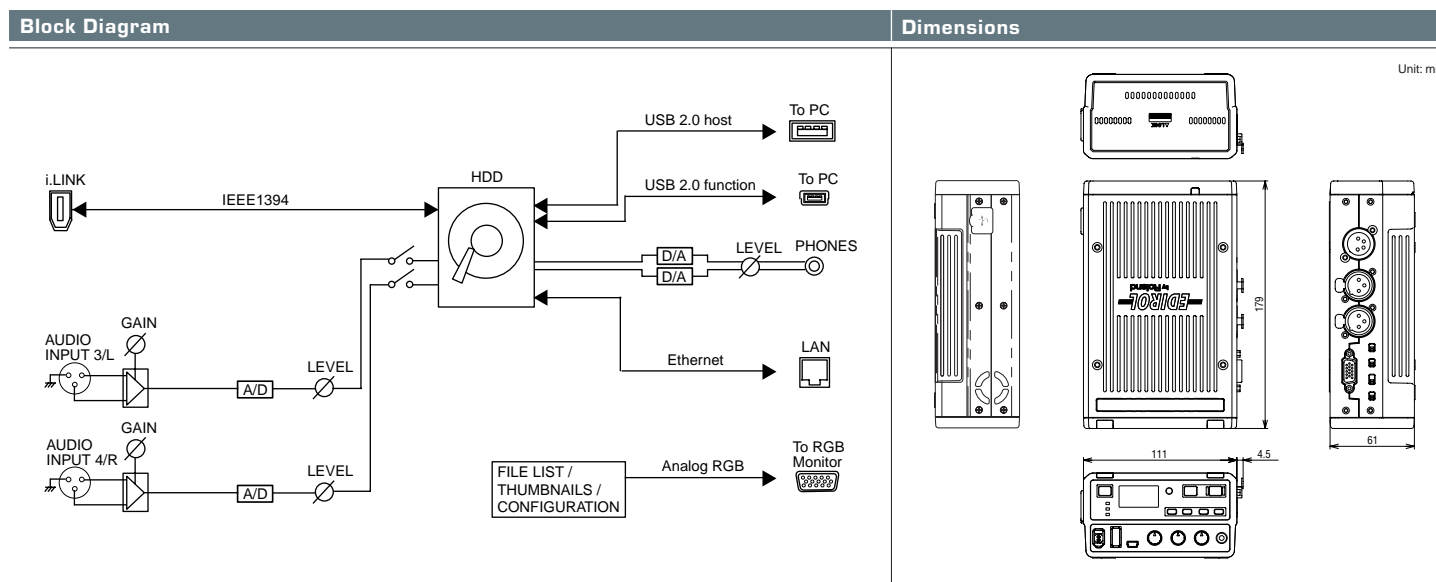
Being "Field Oriented" is at the heart of the EDIROL F-1 design. Features like a shock-resistant floating HDD, two channels of additional audio inputs, multiple power supply options, remote control via LAN, on-site review of clips, unlimited file size, and a number of additional innovative functions will streamline your recording and post-production activities.

# F-1 Video Field Recorder

HDV DV 2+2ch AUDIO USB 2.0 i.LINK



Specifications	
<b>Video Recording Format</b>	HDV (.m2t), DV (.dv)
<b>Audio Recording Format</b>	WAV (Supports BWF) Sampling : 16-bit/48kHz
<b>Audio Control</b>	Switch: Gain (MIC/20dB/LINE), Phantom Power +48V (ON/OFF) Volume: CH3 Input, CH4 Input, Headphones
<b>Audio Input Impedance</b>	4 k ohms
<b>Headphones Output Impedance</b>	16 ohms
<b>Headphones Output Level</b>	45 mW
<b>Recording Media</b>	Hard Disk Drive (120 GB) * removable unit
<b>Max Recording time</b>	Approx 9 hours (F1-HD120 as recording media, without audio)
<b>Input/Output Jacks</b>	Front Panel i.LINK : 6-pin type conforms to IEEE1394 USB A Type (For USB Storage device, USB Mouse) * Supports 2.0 Hi-Speed USB mini B Type (For Computer) * Supports 2.0 Hi-Speed Right Side Panel Display Output :15-pin mini D-sub Type (Analog RGB, 800x600 fixed resolution) Audio Input (Ch3/4) : 3-pin XLR Type x 2 DC Input : 4-pin XLR Type Left Side Panel LAN : RJ45 Type (Ethernet 10/100Base-Tx)
<b>Power Supply</b>	DC 9 V (AC Adaptor) * 9-16V 2.0A or HR15/S1 x 8 or LR6 (AA) x 8
<b>Max Operation time</b>	Nickel Metal Hydride Battery x 8 : Approx 2 hours Alkaline Dry Battery x 8 : Approx 30 minutes External Battery (IDX Endura10 Li-Ion Battery) : Approx 10 hours * These operation times are approximate. Actual time may vary somewhat.
<b>Current Draw</b>	1,000 mA
<b>Dimensions</b>	111 (W) x 179 (D) x 61 (H) mm 4-3/8 (W) x 7-1/6 (D) x 2-3/8 (H) inches
<b>Weight</b>	860 g / 1 lb 91 oz (including HDD, excluding AC Adaptor and batteries)
<b>Accessories</b>	Owner's manual, AC Adaptor (PSB-11U), Conversion cable (AC Adaptor - 4pin XLR type), Power Cord, F1-HD120 removable HDD (120GB) x 1, Battery Pack, USB Cable (Y type), Ferrite Core x 2
<b>Free Software</b> (downloadable from www.rolandssystemsgroup.net)	F-1 Utility / F-1 Remote Control System Requirements: OS : Windows XP / Vista CPU : Core2Duo 2GHz or higher RAM : 2GB or larger Display Resolutions : 1024 x 768 pixels or higher Others : USB Ports
<b>Optional Items</b>	F1-HD120 (120GB Removable HDD), F1-VMK1 (V-Mount kit), CB-F1 (Carrying Bag)



### Optional Items

V-Mount Kit  
**F1-VMK1**  
\* Solutions for other battery mounting devices are being investigated at this time.

Removable Hard Disk  
**F1-HD120**  
\* An F1-HD120 is included with each F-1 purchase.

Carrying Bag  
**CB-F1**

Stereo Shotgun Microphone  
**CS-50**

● Frequency Response  
● Polar Patterns

Condenser Microphone  
**DR-80C** Roland

Dynamic Microphone  
**DR-50** Roland

Dynamic Microphone  
**DR-30** Roland

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**EDIROL**  
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# F-1 Video Field Recorder

HDV DV 2+2ch AUDIO USB 2.0 i.LINK



DV Magazine's  
Black Diamond Award  
for 2008 NAB  
Best of Show

**Shock-resistant floating HDD**  
for secure & stable recording despite shocks and vibrations

**Removable HDD**  
provides hours of recording in the field

**Seamless 9 hours**  
recording with external battery

**Additional 2 Channels of Audio**  
recording in hi-quality linear PCM WAV

**Remote Control of Multiple Units**  
via LAN for managing multi-camera shoots or remote locations

The EDIROL F-1 provides reliable, high quality capture of both video and audio when you need it most: out in the field where every shot counts.

## Seamless and reliable HDV/DV capture to removable HDD for hours of worry-free recording

### High-Capacity HDV/DV capture simplifies and accelerates your workflow

The i.LINK connection to your camera provides easy capture of HDV or DV. Begin editing immediately directly off the HDD or enjoy smooth and speedy transfer of recorded data to your NLE system. Continue to use the camera's tape mechanism as an affordable/compact backup media.

### Removable HDD provides hours of recording in the field

A removable hard drive is the recording media inside the F-1. Remove the full drive and editing or transfer can begin immediately by simply connecting it to your computer via bus-powered USB. Additional drives (F1-HD120) can be purchased for continued recording while other drives are in use elsewhere.

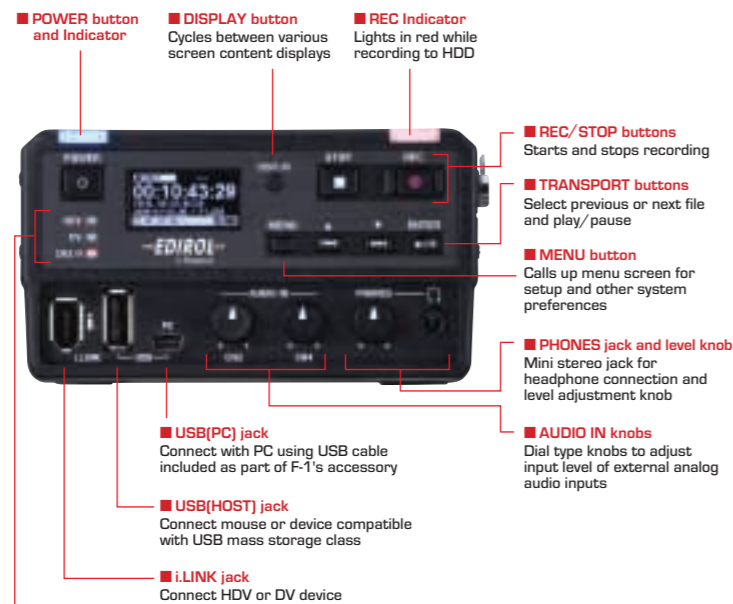


### Seamless Recording up to full HDD Capacity

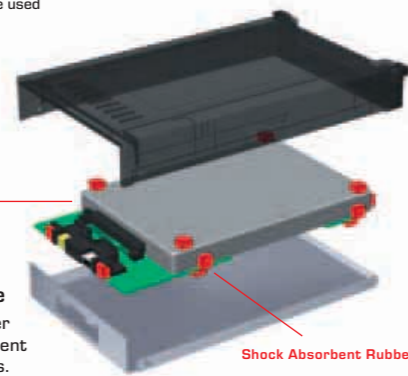
The NTFS file format allows recording up to the maximum disk capacity without a file limitation of 2GB or 4GB. You can record up to 9 straight hours with the 120GB HDD.

### Worry-Free Recording with Shock-Resistant Floating HDD

To protect the disk from the inevitable rigors of field use, the F-1's removable hard drive employs full floating HDD mount architecture with shock absorbent rubber that effectively dampens vibrations and shocks. Enjoy worry-free recording in locations where loud & heavy PA sounds or shocks from rough road surfaces might otherwise present capture problems.



**Full Floating Architecture**  
Sixteen shock absorbent rubber points around the disk component dampens shocks and vibrations.



## Additional Two Audio Inputs for Less Equipment and Better Sound

### Two Independent Audio Channels of Hi-Quality Linear PCM

The F-1 is equipped with two independent analog audio inputs. This enables simultaneous recording of stereo audio from an audio mixer/console or two microphones. On-mic recording of a reporter or interviewer is possible without having to use an external mixer/recorder. Alternatively, you can use the two additional channels to capture ambient sounds at your shoot or put a mic on yourself and record real-time commentary on material as it is being shot. The F-1 records its audio inputs in linear PCM broadcast WAV (BWF) at 16-bit/48kHz, so you can be assured of high quality sound capture.

### Phantom Power Supply

The F-1's built-in phantom power supply for sensitive condenser mics provides further improvement of your audio tracks.

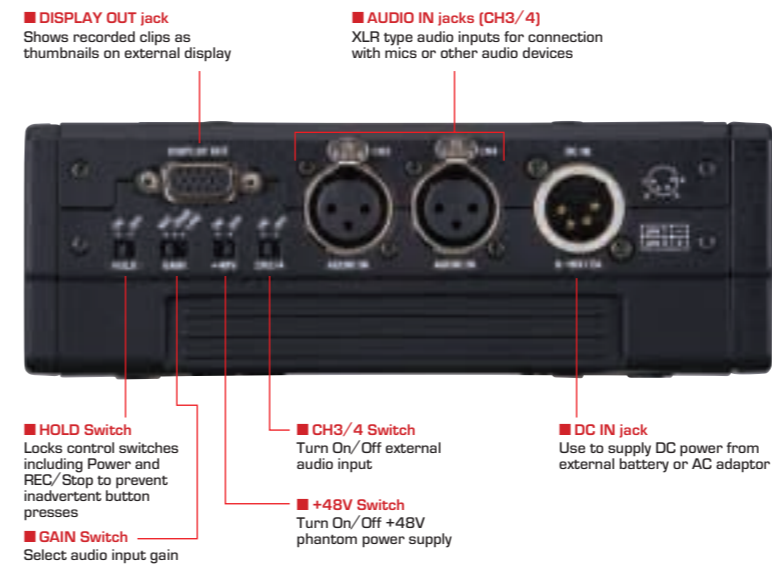
### Three Types of Power Supply Options

The F-1 can be operated with 3 types of power: AC adaptor, external battery and AA batteries. The AA battery power pack supplies seamless failover of power in the event your external battery or AC supply should weaken or fail.



### Thumbnail Display on External Monitor

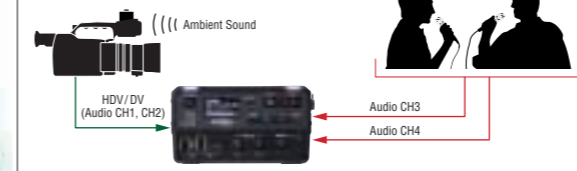
Recorded clips can be shown as thumbnails on an external computer monitor using the 15-pin D-Sub output jack of the F-1. This enables last minute previewing to prevent "missed-shots" without the need to connect to a computer. Additionally you can control, setup and view the status on the same display. A mouse port for intuitive and quick control is provided via the front USB port.



### Directly Capture Output from an Audio Mixer or Console



### Clear Voice Capture from On-Mics



## Backup and Transfer via USB. Control Multi-Camera Shoots or Locations with Remotely Controlled F-1 Units

### Quick Backup of Recorded Data to USB Devices

The F-1's USB port provides on-site connection to USB devices like flash memory or external hard drives for quick backups. Copy time is shorter than real-time, offering speedy transfers of recorded data to your editing suite.



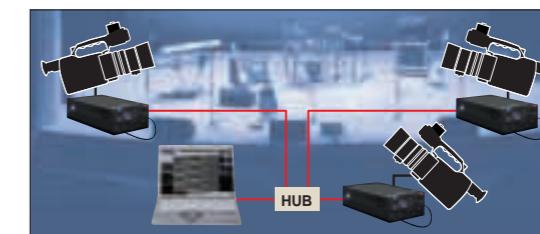
### Recorded Data can be copied via LAN

The F-1's LAN port provides an Ethernet connection to your home or office network. The data in the F-1's HDD can be copied over the network to multiple computers with simplicity and ease.

### Remote Control via LAN enables Multi-Camera Shoots with Minimal Staff

A PC installed with the dedicated control software\* can remotely control the record Start/Stop functions as well as the menu settings of an F-1 in a remote location. You can run an Ethernet cable (up to 100 meters and 200 meters when using a hub) and control multiple F-1 units from your computer. Operators can now control multi-camera shoots with minimal staff and in remote locations.

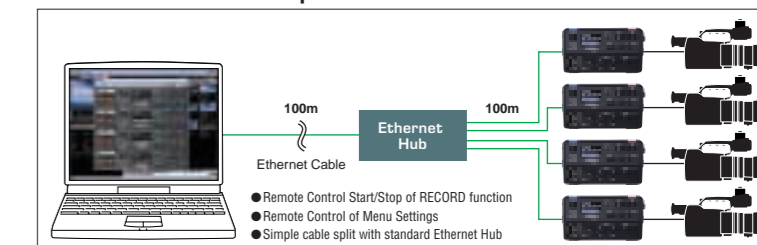
\* Control software is a free download available at [www.rolandssystemsgroup.net](http://www.rolandssystemsgroup.net)



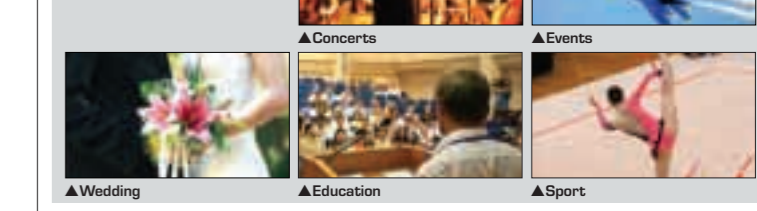
**LAN port**  
For connection with computer via LAN cable. Enables remote control or copy of recorded clips to computer



### Remote Control of multiple F-1 units via LAN



Simplifies your multi-camera shots in various locations



### Free and Convenient F-1 Utility Software

Free downloadable software with 2 modes for quick clip preview and cutting.

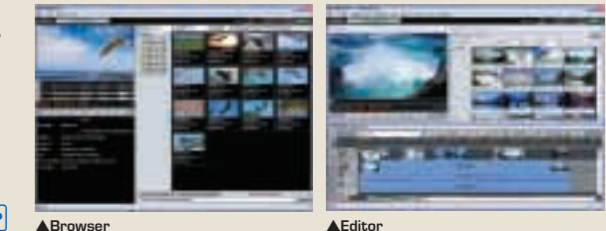
**Browser Mode:** Browser Mode enables previewing of video along with the matching four channels of audio. File management functions such as Move, Copy, Delete, etc. can be executed from the Browser Mode.

**Editor Mode:** Editor Mode is used for quick cut editing of recorded clips. The non-stop editing function enables efficient assembling and reviewing of your cuts' timing immediately after recording.

(\*Scheduled release Fall 2008)

Free download from [www.rolandssystemsgroup.net](http://www.rolandssystemsgroup.net)

Microsoft® Windows Vista®/Windows® XP



### Optional Items

#### V-Mount Kit F1-VMK1

The adaptor kit makes the F-1 mountable to any V-Mount compatible video camera. It can mount together with an external battery that supplies power to both the F-1 and your camera.

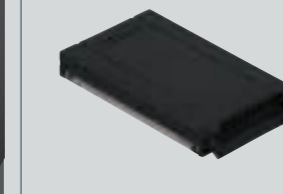
\* Solutions for other battery mounting devices are being investigated at this time.



#### Removable Hard Disk F1-HD120

120GB removable hard disk providing up to 9 hours of seamless recording.

\* The capacity and model name is subject to change. \* An F1-HD120 is included with each F-1 purchase.



#### Carrying Bag CB-F1

Dedicated carrying bag with shoulder strap and multiple accessibility flaps for safe, comfortable use in the field.

