EDIROL by Roland

Roland Systems Group

(Actual Size)

Higher Quality Video Capture with Enhanced Features

Newly added MPEG-2 TS 2Mbps to 50Mbps recording in addition to HDV/DV
Now with Version 2.0 Utility Software

New Version 2.0 Features

■ Support for high bit rate MPEG-2 TS Recording

MPEG-2 TS at 50Mbps allows you to record beyond HDV (25Mbps) quality video and alternatively at 8Mbps you can record around 27 hours of HD video on a 120GB HDD. Enable uncompressed HD-SDI recording and playback when combined with the new VC-50HD Video Field Converter.

■ Newly added Loop Recording and Pre-Record Functions

LOOP REC   PRE REC

Loop Recording mode captures to a file over a selected period of time and then keeps deleting the oldest file based on storage capacity. The Pre-Record mode enables a 3 second buffer that is added on to the front of a recording when the REC button is pressed.

■ Intuitive Editing Utility

The F-1 dedicated Utility Software has a newly added "Editor Mode" which can immediately edit any recorded data. In addition to still images, multiformat video can be edited on the same timeline along with any necessary up/ down conversion.

◎ **Support for Win/Mac Non-Linear Video Editing Systems**
   For more details, please see back-page.

F-1 Fundamentals

HDV／DV Recording

Additional Uncompressed 2 channels of Audio Input

Removable HDD/ SSD Enables Long Record Times

Network Control and Data transfer

Three Types of Power
（AC Adaptor, AA Battery, External Battery）

F-1 Ver.2

Video Field Recorder NEW

HDV   DV   MPEG-2TS

Accessories: F1-HD120 removable HDD (120GB), AC Adaptor

Support for Low to high bit rate MPEG-2 TS Recording

MPEG-2 TS at 50Mbps allows very high quality video capture and alternatively at 8Mbps you can record around 27 hours of HD video on a 120GB HDD. Enable uncompressed HD-SDI recording and playback when combined with the new VC-50HD Video Field Converter.

■Hours of Record Time

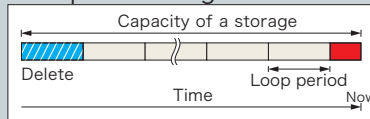| Format			F1-HD120	F1-SSD64
HD	MPEG-2 TS	50Mbps	4.5	2
		35Mbps	6.5	3
		8Mbps	27	14
	HDV		9	4.5
SD	DV		9	4.5
	MPEG-2 TS	12Mbps	18.5	9.5
		9Mbps	25	12.5
		2Mbps	112.5	56

Unit: hours
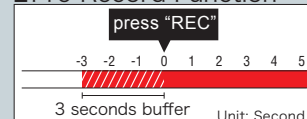＊Approximate time when additional 2ch audio is OFF.

Newly added Loop Recording and Pre-Record Functions

Loop Recording mode can capture video at selected periods (10/ 30/ 60 minutes) and then keep deleting the oldest file as storage reaches capacity. This function can be controlled remotely via network. The Pre-Record function ensures that sudden or important moment is never missed by adding the previous 3 seconds of material onto the file whenever REC is pressed.

■Loop Recording Function

Capacity of a storage
Delete
Time
Loop period
Now

■Pre-Record Function

press "REC"
-3 -2 -1 0 1 2 3 4 5
3 seconds buffer
Unit: Second

Time Code and Marker Functions

Version 2.0 of the F-1 can now record time code with video regardless of whether the camera can embed timecode or not. Of course, Time code can also be re-generated within an HDV/DV stream. The Marker function stamps the video file with time code and/or recording time when the REC button is pressed during recording. This enables the ability to quickly locate scenes during editing.

New Editing Feature added to Version 2.0 of F-1 Utility Software

The F-1 dedicated Utility Software has now been upgraded to Version 2.0 adding an "Editor Mode". This enables easy and efficient editing of any data recorded by the F-1.

※Free download from **www.edirol.com**

■Quick-cut Editing

Easy and intuitive editing of any recorded video at any rate, including linear PCM audio editing of channels 3 and 4.

■ Supported Formats

Video	m2t/dv
Audio	wav
Still	jpg

Material Palette
Still Image Track（JPEG）
Insert Video Track
Main Video Track
4 Tracks for Stereo Audio
(Control volume at frame resolution)

■Selectable Output Formats

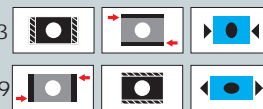Edited video files can be up/down converted. This includes HDV to DV and DV to HDV.

■ Supported output formats

HDV 1080／60i	HDV 720／25p
HDV 1080／50i	DV（NTSC）
HDV 720／30p	DV（PAL）

■Mixed Format Editing

Video material can be converted to other formats and aspect ratios such as HDV⇔SD and 16:9⇔4:3.

16:9 ▶ 4:3

4:3 ▶ 16:9

■Support for still images

Automatically re-size a photo or still image to the designated output format. Also Change the position and aspect ratio of a still image.

Support for Win/Mac Non-linear Video Editors

Using data directly off the F-1 is much faster than real-time capture from tape. All the popular editing software systems support HDV, DV and MPEG-2 TS formats. The F-1 and the removable HDD or SSD media can be directly connected with a computer via bus-powered USB 2.0.

■Import to a non-linear video editing system

Non-Linear Editor	Importing Time[2]
Apple "Final Cut Pro"[1]	10 sec.
Adobe "Premiere Pro"	10 sec.
Avid "Liquid Pro"	20 sec.
Thomson Canopus "EDIUS Pro"	1 sec.
SONY "Vegas Pro"	1 sec.

[1]: Re-wrap as ".mov" file using ClipWrap. ClipWrap is shareware software for Final Cut Pro and is available at www.clipwrap.com
[2]: Approximate time required to import 1 minute of HDV video.

◎ Approximate time required for capturing is dependent on computer specs such as CPU speed, available memory, etc.