



(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 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, multifformat video can be edited on the same timeline along with any necessary up/ down conversion.



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
HDV DV MPEG-2TS **NEW**

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
		35Mbps	6.5
	8Mbps	27	
HDV		9	4.5
DV		9	4.5
SD	MPEG-2 TS	12Mbps	18.5
		9Mbps	25
		2Mbps	112.5

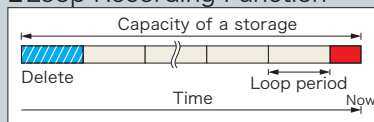
Unit: hours

*Approximate time when additional 2ch audio is OFF.

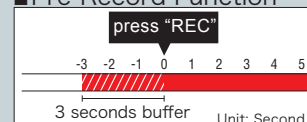
Newly added Loop Recording and Pre-Record Functions

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



■ Pre-Record Function



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.rolandsystemsgroup.net

■ 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

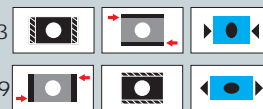
Edited video files can be up/down converted. This includes HDV to DV and DV to HDV.

■ 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 16:9▶4:3 and aspect ratios such as HDV↔SD and 16:9↔4:3.



■ 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.

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