



HDR-FX1000

High Definition MiniDV (HDV™) Handycam® Camcorder

The Sony® HDR-FX1000 Handycam® Camcorder delivers HD-broadcast-quality moving images. With 24p Progressive Scan Mode, the HDR-FX1000's high-quality lens lets you capture vibrant images with incredible details. Cinematone Gamma™ and Cinematone Color technologies provide the color and gamma range to give your footage an even more film-like feel.



Film-Like Progressive Scan

In addition to 1080/60i recording, the HDR-FX1000 offers 1080/24p and 1080/30p Progressive Scan modes for capturing videos with film-like results. Signals scanned at 24p/30p are converted to 60i, then recorded onto MiniDV tape. This allows footage to be played and edited using existing HDV equipment.

Cinematone Gamma and Cinematone Color

Cinematone Gamma technology deepens colors by allowing users to specify a gamma curve with contrast characteristics similar to those of film. Cinematone Color technology recreates film-like color tones.

3x 1/3" ClearVid™ CMOS Sensors w/Exmor™ Technology

The HDR-FX1000 features three 1/3" ClearVid CMOS Sensors, each having 1,120k total pixels. The 3 independent CMOS sensors each handle one of the color elements — red, green, blue — for improved color reproduction. Dark scenes can be captured with low noise thanks to Exmor-derived technology that features a new column A/D converter and dual noise reduction.

Minus Auto Gain Control

When shooting in overly bright conditions, this feature enables the selection of gain settings in the negative range for satisfying results with minimal noise.

Enhanced Imaging Processor (EIP) Technology

To record HD videos with stunningly beautiful colors, the HDR-FX1000 uses an EIP processor to process the vast amounts of pixel data coming from its 3 ClearVid CMOS Sensors. Working together, the EIP and 3 ClearVid CMOS Sensor imaging system provide extremely high image quality with smooth gradations and detailed image reproduction.

G Lens: 29.5mm Wide-Angle to 590mm (20x) Telephoto

Equipped with a 29.5mm wide-angle G Lens made from an advanced 10 group, 15 element lens including Extra-low Dispersion glass. This reduces chromatic aberration caused by light refraction and produces video with extremely low color fringing. The 20x optical zoom (29.5mm-590mm: 35mm conversion) lets you zoom in on faraway subjects with no loss in image quality.

Superior Low-Light Shooting Capabilities

Lets you shoot in light as low as 1.5 lux (at 1/30 fixed shutter speed with auto iris and auto gain). This allows you to capture sharp detail and brilliant colors even in less-than-perfect conditions where professional lighting cannot be used.

Additional Features

- 3x Built-in Neutral Density (ND) Filters
- 3x Manual Rings for Superior Control: Zoom, Focus and Iris
- 3.2" Xtra Fine LCD™ Display (921K pixels)
- Optical SteadyShot™ Image Stabilization
- Manual Gain/Shutter/White Balance Adjustment
- 2:3 Pull-down to 60i for Editing on Most HDV Software
- Minus Auto Gain Control (Minus AGC)
- Assign Buttons
- Additional Record and Zoom Lever Control on Handle
- 0.45" Xtra Fine LCD™ View Finder
- HDMI™ Connection

Specifications

IMAGER	
Imaging Device	3x 1/3" ClearVid™ CMOS Sensor
Processor	EIP (Enhanced Imaging Processor)
Imager Pixel Gross Size	3x 1,120k each (Red, Green, Blue)
VIDEO	
Video Actual 16:9	3x 1037k each (Red, Green, Blue)
Video Actual 4:3	3x 778k each (Red, Green, Blue)
Video Resolution (Full HD)	1080/60i, 1080/24p, 1080/30p
Video Signal System	NTSC color, EIA standards
Video Format(s) Supported	HD: HDV (MPEG-2) ⁹ / SD: DV (AVI)
STILL PICTURE	
Still Actual 16:9	1037k
Still Actual 4:3	778k
Still Picture Max Resolution	1.2 megapixel
Dual Record Resolution	1.2 megapixel
Picture Capture Resolution	1.2 megapixel
AUDIO	
Audio Recording Format	HD: HDV (MPEG-1 Audio Layer II) / SD: DV (PCM Digital Stereo)
Microphone	Built-in Stereo Microphone
MEDIA TYPE	
MiniDV / HDV	MiniDV / HDV
Memory Stick PRO Duo™	Memory Stick Duo™ media, Memory Stick PRO Duo™
RECORDING CAPACITY	
Rec. / Playback MiniDV / HDV™*	SP: 60min/80min., LP (DV only): 90min/120min.
OPTICS AND LENS	
Lens Type	G Lens
35mm Equivalent 16:9	29.5 - 590mm (Wide angle)
35mm Equivalent 4:3	36.1 - 722mm
Aperture	F1.6 - 3.4
Exposure Control	-
Filter Diameter (mm)	72mm (G Lens)
Focal Distance (mm)	4.1 - 82mm
Focus System	Auto/Manual (Ring)/One-push Auto/Infinity
Progressive Shutter Mode	-
Shutter Speed	1/4 - 1/10,000 sec (20 step)
Minimum Illumination	1.5 lux (At 1/30 fixed shutter speed with auto iris and auto gain)
Optical Zoom	20x
Digital Zoom	30x approx. (When Digital Extender *ON*)
DISPLAY	
Display	3.2" Xtra Fine LCD™ display (921K pixels)
View Finder	0.45" Xtra Fine LCD™ View Finder (1,227K pixels)
HARDWARE	
Flash	-
Memory Stick PRO Duo™ Media Slot	Yes
Manual / Auto Lens Cover	Manual
Assignable Dial	-
S/S & Zoom button on LCD	-
INPUTS & OUTPUTS	
Audio/Video Remote Terminal	Video/S Video/Audio/LANC
Analog Audio/Video Output(s)	Multi AV (Video/S Video/Audio)
LANC Terminal	Yes
Digital Audio/Video Output(s)	Yes (i.LINK® and USB)
USB Port(s)	-
i.LINK® Interface	Yes
Component Video (Y/Pb/Pr) Output(s)	Yes
S-Video Output(s)	Yes (via multi AV)
HDMI™ Connection Output(s)	Included in A/V Jack
Headphone Jack	Yes
Microphone Input	Yes
Active Interface Shoe	Cold Shoe

CONVENIENCE FEATURES	
Dual Record	Yes
White Balance	Auto / Outdoor / Indoor / One-push (A/B)
Image Stabilization	Optical SteadyShot™ image stabilization (Active Lens System)
x.v.Color™	Yes
White Balance	Auto / Outdoor / Indoor / One-push (A/B)
Fader Effects	Black, White
Scene Selection Mode(s)	Yes (up to 6 picture profiles)
Still Image Format(s)	JPEG
Smooth Slow Record	Yes (6 sec. at 240fps NTSC) ¹⁰
POWER	
Power Consumption	HDV: 6.4W (VF/LCD)
Supplied Battery Type	InfoLITHIUM® Rechargeable Battery (NP-F570)
Power Requirements	7.2V (Battery Pack); 8.4V (AC Adaptor)
DIMENSIONS	
Dimensions (Approx.)	6 3/4 x 7 x 13 7/8 inch (169 x 178 x 349mm)
Weight (Approx.)	4lbs 15oz (2.3kg) with supplied battery and lens hood
SUPPLIED ACCESSORIES	
AC adaptor	AC-L100
Rechargeable Battery Pack	InfoLITHIUM® Rechargeable Battery (NP-F570)
Remote Commander® control unit	RMT-831
Component Video Cable	Yes
Lens Hood	Lens hood with lens cover
Media	Operation Manual
Application Software (CD-ROM)	PMB Ver.4.2.00*

FOOTNOTES

*Capacity will vary based on type and complexity of image recorded.
 9. Requires Microsoft® Windows® XP SP3/ Windows Vista® SP1. Not supported by Mac® OS.
 10. Smooth Slow Record captures 3 seconds of video which plays back over 12 seconds.
 19. The HDV recording format is in 1440x1080i and 4:2:0 color space.

