

PRELIM

▲ Step-up

The HDR-FX7 is the first HDV 1080i consumer level camcorder and player with three-1/4" ClearVid™ CMOS Sensors providing the ultimate in resolution for video and still images. A 20x Optical Zoom Carl Zeiss® Vario-Sonnar® T* Lens never loses any quality or detail, no matter what you're shooting.

- ▲ Three - 1/4" ClearVID™ CMOS Sensors
Three - 1/4" ClearVID™ CMOS Sensors with 1,120K (effective) pixels provides stunning detail and clarity with exceptional video (up to 1080 lines of resolution - HD) and still image performance. The Megapixel technology enhances your digital videos and digital still (1037K - 16:9 mode) photography performance.
- HDV Recording Format
From the innovators in camcorder technology, Sony's HDR-FX7 camcorder is the world's first HDV1080i consumer level camcorder and player to include 3 CMOS Sensors (as of September 7, 2006). Now you can record all your memories in Full HD 1080.
- Switchable HDV/DV Format Recording
The HDR-FX7 is capable of recording and playing back both High Definition and Standard Definition video recorded on standard MiniDV cassettes.
- Real-time HD Codec Engine
A Sony developed Real Time MPEG Encode/Decode system with reduced energy consumption and compact size to fit inside a personal camcorder. Provides efficient MPEG2 compression, and recording and playback of clear HD images at the same bit rate of the DV format, so that High Definition video can be recorded on the same cassettes as are used for MiniDV recording.
- ▲ 20X Optical Carl Zeiss® Vario-Sonnar® T Lens
From the authority in lens technology, the Carl Zeiss® Vario-Sonnar® T lens provides a high quality 20x optical zoom which maintains image clarity and color while reducing glare and flare.
- Digital Extender
The Digital Extender mode is available throughout the entire zoom range and will digitally enhance the zoom up to 1.5 times the current position.
- ▲ 3.5" Wide (16:9) Hybrid Clear Photo™ LCD plus Display (211K Pixels)³
Provides excellent viewing clarity with improved resolution. The 211K pixel LCD display makes images sharp and detailed during playback or when monitoring recording. The Hybrid LCD Screen provides accurate viewing in sunlight or bright light, virtually eliminating the "washout" common with traditional LCD Screens.
- Super SteadyShot® Optical Stabilization System
An advanced form of Sony's SteadyShot Image Stabilization system that controls an even higher range of shake and vibration frequencies. This optical stabilization system achieves an even higher level of smoothness without degradation of video like some digital stabilization systems.
- Manual Zoom and Manual Focus Ring
Dual independent Zoom and Focus rings provide precise and detailed control over the amount of zoom and the overall focus of the image with just a turn of the rings. Fast, intuitive framing when zooming, and finely detailed focusing is easy with the natural "feel" of the rings.
- Selectable Exposure/Iris Control
Allows you to adjust the amount of light entering the lens. By adjusting Exposure; brightness of the image is adjusted in accordance with the Iris and gain (shutter speed is locked). The Iris control allows the volume of light to be adjusted (Shutter Speed and Gain are adjustable).
- Expanded Focus Indicator
The camera's LCD image is magnified, temporarily, up to 4X its original size without any loss of distortion. This allows the user more finite control while focusing the camera for greater detail and clarity.
- Picture Profile
Allows the user to set manual adjustments for a scene (color, sharpness, white balance, etc) into any one of six presets, so they can be called up at just the touch of a button. Useful when shooting under the same conditions repeatedly, as options do not have to be re-set each time. Settings for various shooting conditions are offered as defaults.
- Assignable Buttons
Six buttons on the exterior of the camcorder are user-assignable so that they can be set to the options most commonly utilized, for ease of recording.
- i.LINK®2 HDV/DV Interface (IEEE1394)
A high speed bi-directional digital video/audio communication between two compatible devices equipped with an IEEE1394 interface, including camcorders, digital VCRs, and PCs.
- Shot Transition
Allows for a smooth automatic scene transition. Settings for focus, zoom, iris, gain, shutter, and white balance can be set to the Assignable Buttons 1, 2 and 3 which will create a smooth transition and will take place according to the set time and transition. This function enables the focus to gradually shift from the front of the screen to a deeper part of the screen. Thus the iris enables a smooth change of depth of field.

ADDITIONAL FEATURES

- ▲ Dual Record
- Smooth Slow Record
- ▲ Digital Still Memory Mode with Memory Stick Duo™ Media⁴
- Battery Information
- Multi-Language Menu



ClearVid™ CMOS Sensor



MEMORY STICK PRO DUO

HDR-FX7

High Definition Camcorder

Specifications

General

Imaging Device: Three - 1/4" ClearVID™ CMOS Sensors
 Pixel Gross: 1120K
 Recording Media: MiniDV Cassette, Memory Stick Duo™ Media, Memory Stick PRO Duo™ Media
 Video Actual: 1037K Pixels (16:9), 778K Pixels (4:3)
 Still Actual: 1037K Pixels (16:9), 778K Pixels (4:3)
 Recording Time: SP: 60 min. (HDV /DV); LP 90 min. (DV)

Audio

Dolby® Digital Output: N/A
 Recording Format: MPEG1 Audio Layer 2 - Stereo (HDV); PCM (DV)

Convenience

USB Streaming: N/A
 SteadyShot® Image Stabilization: Yes (Super; Optical)
 Accessory Shoe: Yes, Cold
 White Balance: Auto, Indoor, One-push, Outdoor
 Memory Stick PRO™ Media Compatibility: Tested to support up to 2GB media capacity; does not support high speed transfer function; does not support Access Control security function
 Still Image Mode(s): JPEG
 Minimum Illumination: 4 Lux
 Low Light Capability: N/A

Convenience Features

Easy Operation: N/A
 Fader Effects: TBD
 Multiple Language Display: Yes
 Remote Control: Yes
 Slide Show Mode: TBD
 Light/Flash: N/A
 Movie Mode(s): N/A
 Scene Mode(s): TBD
 Picture Effect(s): N/A
 PictBridge Compatible: Yes

Inputs and Outputs

LANC Terminal: Yes (Stereo Mini)
 Analog Audio/Video Input(s): N/A
 Analog Audio/Video Output(s): Yes (Multi A/V)
 Digital Audio/Video Input(s): Yes (i.LINK®² and USB)
 Digital Audio/Video Output(s): Yes (i.LINK®² and USB)
 USB Port(s): Yes, ver. 1.1
 i.LINK® Interface: Yes²
 Component Video (Y/Pb/Pr) Output(s): Yes
 Headphone Jack: Yes (Stereo Mini)
 Microphone Input: Yes (Stereo Mini)
 Remote Jack: N/A
 S-Video Input(s): N/A
 S-Video Output(s): Yes (via optional accessory)
 HDMI™ Connection Output(s): Yes

Hardware

LCD: 3.5" (211K Pixels)³ Wide (16:9) Touch Panel - Clear Photo LCD Plus™
 Lens Type: Carl Zeiss® Vario-Sonnar® T
 Viewfinder: Wide (16:9), Color (252K Pixels)
 Docking Station: N/A
 Microphone: Yes (Built-in)

Optics/Lens

35mm Equivalent: 37.4-74.8mm (16:9 Camera Mode), 45.7-91.4mm (4:3 Camera Mode)
 Aperture: 1.6 - 2.8
 Exposure: 24 Steps (Menu)
 Filter Diameter: 62mm
 Focal Distance: 3.9 - 78mm
 Focus: Full Range Auto/Manual (Ring)/One Touch
 Progressive Shutter Mode: N/A

Optical Zoom: 20X
 Digital Zoom: N/A
 Resolution: 1MP

Power

Power Consumption: HDV: 5.9W/5.9W (VF/LCD); DV: 5.7W/5.7W (VF/LCD)
 Battery Type: InfoLITHIUM® with AccuPower™ Meter System (NP-F570)
 Power Requirements: 7.2V (Battery Pack); 8.4V (AC Adaptor)

Service and Warranty Information

Limited Warranty: 1 Year Parts; 90 Days Labor

Software

Operating System Compatibility: N/A
 Supplied Software: N/A

Video

Video Recording System: MPEG2 (HDV); AVI (DV)
 Video Signal System: NTSC color, EIA standards
 Analog-to-Digital Converter: N/A
 Format(s) Supported: Real Time HD Codec Engine, HDV/DV Recording

Dimensions

Weight: 3 lbs. 10 oz. (1.6kg) with supplied battery and lens hood
 Measurements: 5 3/4" x 6 1/4" x 12 3/4" (145 x 156 x 322mm) with lens hood attached

Supplied Accessories

Power Adaptor/ In Camera Charger (AC-L15)
 InfoLITHIUM® Rechargeable Battery (NP-F570)
 Remote Commander® Remote Control (RMT-831)
 Component Video Cable
 Stereo A/V Cable
 Lens Hood
 USB Cable
 Large Size Eye Cup

Optional Accessories

Rechargeable Battery Pack (NP-F770/970)
 Hard Carrying Case (LCS-FXA)
 Soft Carrying Case (LCS-VCB)
 Remote Control Tripod (VCT-1170RM)
 Shoulder Brace (VCT-FXA)
 Video Light (HVL-20DW2)
 High Grade Wide Angle Lens (VCL-HG0762)
 High Grade Telephoto Lens (VCL-HG1762)
 AC Battery Charger (AC-VQ1050D)

Color: Charcoal
 UPC Code: 027242701946

BATTERY LIFE¹

Battery ¹ (Fully charged)	Continuous Record Time VF/LCD/LCD Bcklt Off/VF+LCD	Continuous Playback Time LCD On/Off
H D	NP-F570	155/155/160/150 min
	NP-F770	320/320/335/310 min
	NP-F970	480/480/500/465 min
D V	NP-F570	160/160/165/155 min
	NP-F770	335/335/350/320 min
	NP-F970	500/500/520/480 min

STILL IMAGE MODE⁵

Fine/Standard Picture Quality

Memory Stick Duo™ Media ⁴	1440x810 1.2MP (WIDE)	1080x810 0.9MP	640x360 VGA (WIDE)	640x480 VGA
16MB	25/60	34/80	115/240	96/240
32MB	51/120	69/160	240/485	190/485
64MB	100/240	135/325	490/980	390/980
128MB	205/490	280/650	980/1970	780/1970
Memory Stick PRO Duo™ Media ⁴				
256MB	370/890	500/1150	1750/3550	1400/3550
512MB	760/1800	1000/2400	3600/7200	2850/7200
1GB	1550/3650	2100/4900	7300/14500	5900/14500
2GB	3150/7500	4300/10000	15000/30000	12000/30000

1. Actual battery life may vary based on product settings, usage patterns and environmental conditions. Designed for use with compatible Sony InfoLITHIUM® batteries.
 2. i.LINK is a trademark of Sony, used only to designate that a product contains an IEEE1394 connector. All products with an IEEE1394 connector may not communicate with each other.
 3. Viewable area measured diagonally.
 4. Available storage capacity of Memory Stick and Memory Stick PRO media may vary. A portion of the memory is used for data management functions. Actual available memory in MBs is: 8=7.5, 16=15, 32=30, 64=61, 128=123, 256=220, 512=460, 1GB=940, 2GB=1.85GB.
 5. Image size and file size may vary based upon the type and complexity of the image recorded.

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 Features and specifications subject to change without notice. Non-metric weights and measures are approximate.
 Screen Images Simulated