SONY

HDR-FX1

High Definition Digital Handycam® Camcorder

worryfreedigitalvideo™

Sony. Engineered to be effortless.

FEATURES

3-1/3" 16:9 Advanced HAD™ CCD Imagers 1,120K Pixels Gross

MEGA PIXEL ENGINE Advanced HAD™ (Hole Accumulation Diode) CCD imagers with 1,120K effective (video) pixels provides excellent detail and clarity with exceptional digital video performance. Using a 3 chip Advanced HAD™ CCD system and dichroic prism to separate color information, colors are extremely accurate, and color "bleeding" and "smearing" are greatly reduced.

Advanced HAD™ CCD Technology

Enhanced CCD design allows more light to reach the imager which reduces video noise to improve signal-to-noise ratio by up to 6db (2x better than a standard CCD). Particularly effective when shooting in dark situations.

HDV Recording Format

HDV 1080i From the innovators in camcorder technology, Sony's HDR-FX1 camcorder is the world's first HDV1080i consumer level camcorder and player. Now you can record all your memories in true high-definition video.

Switchable HDV/DV Format Recording

HDV/DV Switchable The HDR-FX1 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 in 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.

12X Optical Carl Zeiss® Vario-Sonnar® T* Lens

ZEISS From the authority in lens technology, the Carl Zeiss® Vario-Sonnar® T* lens provides a high quality 12x optical zoom which maintains image clarity and color while reducing glare and flare.

3.5" Wide Precision Hybrid SwivelScreen™ LCD Display (250K Pixels)

Provides excellent viewing clarity with improved resolution. The **250K** pixel LCD display makes images sharp and detailed during playback or when monitoring recording. The Hybrid Reflective-Transmissive LCD Screen provides accurate viewing in sunlight or bright light, virtually eliminating the "wash-out" common with traditional LCD Screens.

Super SteadyShot® Optical Stabilization System

Super Steady Shot 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.

Analog/Digital Conversion with Pass-Through

Convert and/or record any analog NTSC video source to digital video via the analog inputs. Analog NTSC video can also be passed through the digital Handycam camcorder directly into a PC via the i.LINK® interface in real-time for easy PC editing of your analog footage.

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.

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

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.

CineFrame™ Recording

Cinematone Gamma & Cineframe Provides the option of recording video at either 30 fps or with a feeling of "film-like" 24 fps.

Assignable Buttons

Three 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®* DV Interface (IEEE1394)

DIGITAL VIDEO i INTERFACE A high speed bi-directional digital video/audio communication between two compatible devices equipped with an IEEE1394 interface, including camcorders, digital VCRs, and PCs.

MPEG 1 Audio Layer II

The HDR-FX1 records audio in MPEG1 Audio Layer II while recording in HDV format that provides outstanding sound quality even when compressed. In the standard DV format audio is recorded in either 12/16 bit (selectable) PCM Digital Stereo for audio quality that rivals that of a CD.

Manual Iris Control

By turning the Iris dial on the side of the camera, the user can manually adjust the amount of light entering the camera. The iris is adjustable from f1.6 to f11, in 24 steps.

Shot Transition

Shot Transition Allows for a smooth automatic scene transition. Settings for focus, zoom, iris, gain, shutter, and white balance can be set to the A/B button and a smooth transition will take place according to the set time. 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.

STEP-UP FEATURE

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ADDITIONAL FEATURES

- Handle Mounted Zoom/Recording Control
- Manual Shutter Speed
- 2 Position Neutral Density Filter
- Color Bar Generator
- Digital Audio/Video Fader
- 14-Bit A/D DXP
- Cinematone Gamma Control

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BATTERY LIFE[1]

Battery* (Fully charged)	Continuous Rec Time VF/LCD/LCD Backlight Off	Continuous Playback Time LCD On/Off
NP-F570	125/110/125 min	175/195 min
NP-F770	255/235/260 min	360/400 min
NP-F970	385/360/390 min	545/605 min

*Results may vary depending upon conditions

SPECIFICATIONS

Imaging Device: 3- 1/3" 16:9 1120K Pixel Advanced HAD™ CCDs
Video Actual: 1070K Pixels
F: 1.6 – 2.8
Focal Distance: 4.5 – 54.0mm
35mm Conversion: 32.5 – 390mm (in 16:9 mode)
40 – 480mm (in 4:3 mode)
Filter Diameter: 72mm
Optical Zoom: 12X
Focusing: Full Range Auto/Manual (Ring)/One Touch
Minimum Illumination: 3 lux
NightShot® Infrared System: N/A
Shutter Speed: 1/4 – 1/10,000 (in AE Mode)
Viewfinder: Color, Precision 16:9 (252K pixel)
LCD: 3.5" 16:9 (250K) Precision Hybrid Color
Accessory Shoe: Yes (Cold)
Video Input/Output: Yes (Composite (Mini) and S-Video/Yes (Component, Mini, and S-Video)
Audio Input/Output: Yes/Yes (Stereo, Mini)
i.LINK®* DV Interface (IEEE1394): Yes
USB: N/A
USB Streaming: N/A
Headphone Jack: Yes (Stereo, Mini)
Mic. Input: Yes (Stereo, Mini)
White Balance: Auto/One-Push (A)(B)/Preset
Iris Control: Yes, Gain Independent
Power Consumption (VF/LCD/VF+LCD): 7.4W/8.0W/8.4W
Dimensions (WHD): 6" x 7 ¼" x 14 ⅜" (151 x 181 x 365mm)
Weight: 4 lbs. 11 oz. (with Supplied Battery, Cassette, Lens Hood)
Supplied Accessories: AC-L15 Power Adaptor/ In Camera Charger, NP-F570 InfoLithium® Rechargeable Battery, RMT-840 Wireless Remote Commander® Remote Control, AA Battery, Lens Hood, Lens Cap, A/V Cable, Component Video Cable, Cleaning Cassette, Shoe Adapter, Large Eye Cup, Shoulder Strap

OPTIONAL ACCESSORIES

- VCL-HG0872 High Grade Wide Angle Lens
- VCL-72CPK Polarizing Filter Kit
- LCS-VCB Carrying Case
- LCH-FXA Hard Carrying Case
- VCT-FXA Tripod
- HVL-20DW2 Video Light
- VCT-870RM Remote Control Tripod
- NP-F770/970 Rechargeable Battery Pack

SONY

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1 Designed for use with compatible Sony InfoLithium® batteries.

* 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.