

# Sony DCR SX-85 SD 16GB Flash Memory Camcorder

– Product Specifications



## Basic Specifications

- Dimensions (Approx.) : Approx. 52.5mm x 57mm x 123.5mm
- Weight (Approx.) : Approx. 9.5oz (NP-FV30 (supplied battery)); Approx.9.9oz (NP-FV50); Approx.11.5oz (NP-FV70); Approx.15.0oz (NP-FV100)

## Exposure System

- Metering Modes : Multi-segment / Spot
- Exposure Settings : Auto; Flexible Spot (Touch Panel)
- Scene Mode(s) : Auto / Twilight / Candle / Sunrise & Sunset / Fireworks / Landscape / Portrait / Spotlight / Sports / Beach / Snow
- Noise Reduction : Yes
- White Balance Mode : Auto / Onepush / Outdoor / Indoor
- Minimum Illumination : Auto Slow Shutter: 3 lux (1/30 Shutter Speed)
- Auto Iris Control : F1.8 - F26
- Backlight Compensation : Yes (Auto)
- Gain Control : Auto

## Camera

- Camera Type : Digital STD Video Camera Recorder

## Imaging Sensor

- Imaging Sensor : 1/8" (2.25mm)Advanced HAD® (Hole Accumulation Diode) CCD Imager
- Processor : Sony® Imaging processor
- Pixel Gross : Approx. 680K pixels
- Effective Picture Resolution : Approx. 470K pixels (4:3)

- Color Filter System : YeCyMgG mosaic filters

## **Recording**

- Media Type : 16GB Internal flash memory, optional Memory Stick Duo™, optional Memory Stick PRO Duo™, optional Memory Stick PRO-HG Duo™, optional SD, optional SDHC
- Still Image Mode : JPEG
- Still Image Max Effective Resolution : 470K pixels
- Video Format : MPEG2-PS
- Video Mode : HQ: 9Mbps / SP: 6Mbps / LP: 3Mbps
- Video Resolution : 720x480/60i
- Video Actual (Pixel) : Approx. 410K pixels (16:9), Approx. 470K pixels (4:3)
- Video Signal : NTSC color, EIA standards
- Recording and Playback Times : HQ: Approx. 3h55m; SP: Approx. 5h40m; LP: Approx. 11h55m
- Photo Capture from Movie : 307K pixels 4:3 (640x480); 230K pixels 16:9 (640x360)
- Audio Format : Dolby® Digital 2ch Stereo, Dolby® Digital Stereo Creator
- Microphone/Speaker : Built-in Zoom Microphone; Monaural Speaker
- Internal Media : Flash Memory 16GB
- Mic Level Control : Yes (2steps)
- Still Image File Format : DCF Ver. 2.0 compatible, Exif Ver. 2.21 compatible, MPF Baseline compatible
- Still Image Size(Photo Mode) : 307K pixels 4:3 (640x480); 230K pixels 16:9 (640x360)
- Wind Position : Yes (Auto)

## **Interface**

- Memory Card Slot : Memory Stick PRO Duo™ and SD/SDHC/SDXC compatible
- SD Output : Composite Video Out (A/V connecting cable (supplied)); S Video Out (A/V connecting cable with S Video (sold separately))
- USB Port(s) : TypeA, mini-AB/USB2.0 Hi-speed (mass-storage)
- DVDirect : Yes (DVDirect Express, DVD Writer supported (sold separately))
- Remote Jack : A/V Remote terminal
- Direct Copy : Yes
- A/V Remote Terminal : Video / S Video / Audio / Remote
- DC IN : Yes

## **Drive System**

- Drive Mode : Photo Mode: Single-shot / Self-timer
- Shutter Speeds : Auto Control Range: 1 / 4 - 1 / 4000; Self-timer: 10sec. (Still Image); Standard: 1 / 60-1 / 500; Auto: 1 / 60 - 1 / 500; Scene Selection: 1 / 60 - 1

/ 4000 1 / 4 - 1 / 500 (Candle mode / "MOVIE"position only); Auto (Auto Slow Shutter ON): 1 / 30 - 1 / 500; Auto (Auto Slow Shutter OFF): 1 / 60 - 1 / 500

### **Weights and Measurements**

- Weight (Approx.) : Approx. 8.1 oz (230g)
- Dimensions (Approx.) : Approx. 2 1/8" x 2 1/4" x 4 7/8" (52.5mm x 57mm x 123.5mm)
- Weight(Approx) (Main unit only) : Approx. 8.1 oz (230g)

### **Advanced Features**

- Face Detection : Yes
- Image Stabilization : Electrical SteadyShot™ image stabilization w / Active mode (Wide to Tele)
- Intelligent Auto : Portrait / Tripod / Backlight / Landscape / Spotlight / Twilight / Macro

### **Convenience Features**

- Quick On : Yes (Power On by LCD)
- Manual / Auto Lens Cover : Auto
- S/S & Zoom button on LCD : Yes (Touch Panel)
- Fader Effect(s) : White / Black
- Date / Time Stamp : Yes (Rec Date / Time, Camera info)
- Erase/Protect : Yes / Yes
- Media/Battery Indicator : Yes / Yes
- Power Save Mode : Auto Shut-off (5minutes)
- Still Image Playback Options : Slide Show; Playback Zoom (1.1x-5x) (TouchPanel + Zoom Lever)
- Built-in USB Cable : Yes (USB Charge Available)
- Built-in Video Light Coverage : Approx. 30cm-150cm
- Easy Handycam/Help Function : -/-
- Menu Customization : Yes
- Multiple Language Display : English; Simplified English; Brazilian Portugese; Canadian French; Latin American Spanish
- One Touch Disc Burn : Yes (Menu)
- View & Index : Data Index / Film Roll / Face

### **Optics/Lens**

- Lens Type : Carl Zeiss® Vario-Tessar®
- Aperture : F1.8-6.0
- Optical Zoom : 60x
- Digital Zoom : 2000x

- Focal Length (35mm equivalent) : Photo Mode: 39mm - 2340mm (16:9), 38mm - 2280mm (4:3); Movie Mode: 39mm - 2340mm (16:9), 38mm - 2280mm (4:3)
- Filter Diameter : 37mm
- Minimum Focus Distance : Approx. 1cm (Wide), Approx.150cm (Tele), Approx.38cm (Tele Macro)
- Extended Zoom : 70x
- Focal Distance :  $f = 1.8\text{mm} - 108\text{mm}$
- Steady Shot Mode:Active : 46mm - 2760mm (16:3)

### **Focus Control**

- Focus System : Contrast AF
- AF Modes : Auto / Manual (Touch Panel)
- Focus Area : Full range Focus / Spot Focus
- AF Illuminator : Yes

### **Power**

- Battery Type : InfoLITHIUM® with AccuPower™ Meter System (NP-FV30)
- Battery Capacity : Typical: 3.6Wh (500mAh), Minimum: 3.6Wh (500mAh)
- Power Requirements : 7.2V (battery pack); 8.4V (AC Adaptor)

### **Service and Warranty Information**

- Limited Warranty Term : Limited Warranty --- 1 Year Parts; 90 Days Labor

### **LCD Display**

- LCD Type : 3.0" Touch-screen Clear Photo™ LCD (230K pixels)
- Angle Adjustment : Opening Angle: max. 90 deg., Turning Angle: max. 270 deg.
- Brightness Control : Yes (LCD Backlight Level, LCD Bright)
- Coverage : 1
- Live View : Yes
- Grid Display : Guide Frame
- Touch Panel : Yes

### **Software**

- Supplied Software : Picture Motion Browser Ver 5.3
- Operating System Compatibility : Microsoft® Windows XP SP3, Windows Vista SP2, Windows 7. PMB software is not Mac® compatible.

### **In the Box**

- Power Cord (1)
- CD-ROM ("Handycam" Application Software) (1)

- Rechargeable Battery Pack (NP-FV30) (1)
- A/V Connecting Cable (1)
- "Operating Guide"(1)
  
- AC adaptor (AC-L200) (1)
- USB Connection Support Cable (1)