DSC-F717

Cyber-shot®
Digital Still Camera

With its Carl Zeiss® lens, 5 Megapixel resolution, advanced camera control technology and intuitive interface, the DSC-F717 is a digital camera of extraordinary performance and flexibility. From its unique low light shooting capabilities to its superb image quality, the DSC-F717 helps you capture a new level of digital imaging possibilities.

FEATURES

▶ 2/3" 5.0 Megapixel Super HAD™ CCD

Super HAD (Hole Accumulation Diode) CCDs provide excellent image quality by allowing more light to pass to each pixel, increasing sensitivity and reducing noise.

▶ Carl Zeiss® Vario-Sonnar® Lens

Famous for sharpness & color accuracy, the Vario-Sonnar 5X Optical zoom lens features 13 elements in 10 groups with 2 aspheric elements and 6 blade aperture. Its fast f2.0 aperture is great for low light shooting.

▶ 5 Area Multi-Point Auto Focus

Evaluating 5 separate areas of the frame, Sony's Multi-Point AF system intelligently focuses on the subject, and displays the selected focus point. Alternately, choose any of the 5 points for manual control.

▶ Manual Focus/Zoom Ring

Take precise control of zoom and manual focus with the lens mounted ring. Fast, intuitive framing is easy with its natural "feel", and two speed action.

▶ Hologram AF

Projecting a Class 1 laser pattern, Hologram AF reads the contrast between the pattern's edge and the subject for precise focus, even in low or no light.

▶ Multi-Pattern Measuring

Independently light-metering 49 points of the frame, Multi-Pattern Measuring determines the optimum exposure, even when highlight and shadow are randomly distributed.

Pre-Flash Metering

With a momentary pre-flash, the camera illuminates the subject and calculates exposure through the lens directly from the CCD for accurate flash metering. Adjustable flash level and red-eye reduction insure great flash shots.

▶ STEP-UP FEATURE

Memory Stick® Media

Digital. Powerful. Transportable.™ Memory Stick media is compact, portable and rugged – connecting a variety of hardware and software applications.

14-Bit DXP A/D Conversion

Sony's 14-bit **D**igital E**X**tended **P**rocessor captures the range between highlight and shadow with up to 16,384 values, for extended dynamic contrast and detail.

Slow Shutter Noise Reduction

At shutter speeds 1/25 sec. and longer, Slow Shutter NR captures the scene, and then the CCD noise pattern with a dark frame exposure. By subtracting the two, even long exposures can be clear.

▶ Dynamic White Balance

Accurate color balance under changing lighting and exposure settings is realized by linking the White Balance to the Exposure and Flash systems. Manual setting allows calibration with white card.

Manual Exposure Controls

Flexible Exposure control is provided with Aperture Priority (f2 – 8), Shutter Priority (30 sec–1/1000 sec) and Manual Exposure modes. EV Compensation and flash output level allow fine tuning.

▶ Live Histogram Display

Available for capture and playback, the live histogram displays number of pixels at each luminosity to evaluate exposure.

Eye-level & 1.8" LCD Viewfinders

For accurate framing and following fast action, both the 180K pixel eye-level finder and 1.8" 123K pixel LCD provide through-the-lens viewing & menu display.

▶ Quick Start-up and Response

Ready to shoot in little more than a second, the DSC-F717 reduced shutter lag and extraordinary responsiveness is always ready to capture the action.

▶ 5 MP (2560x1920) Image Size

With its high resolution CCD, the DSC-F717 captures in 4 different image sizes, in TIFF or Fine/Standard JPEG modes.

▶ NightShot® Infrared System

Capture infrared digital images in total darkness at up 15 feet. By illuminating the subject with infrared light and removing the CCD's IR cut filter, the NightShot® system makes infrared digital imaging a reality.

▶ NightFraming System

To capture beautiful color images in low or no light, NightFraming illuminates the subject with the NightShot® system for proper framing, focuses with Hologram AF and lights the scene with flash.

▶ File Folder Tool

By creating separate folders on Memory Stick media, you can select the location in which to record your images, helping organize your files.

▶ MPEG Movie HQX Mode

Captures full frame playback, high frame rate (16 fps) video clips (w/audio) with length limited only by the capacity of the media.

▶ Multi Burst Mode

Captures 16 320x240 frames as part of a single 1280x960 image which plays back sequentially in the camera. Selectable 1/7.5, 1/15 or 1/30 second frame intervals provide convenient motion analysis.

▶ Hot Shoe and ACC Terminal

Connect Sony's HVL-F1000 flash or Remote Controls with ACC Terminal, or synchronize other flash units or studio lighting with the Hot Shoe terminal.

Rechargeable InfoLithium® Battery

Provides reliable, long-lasting power for continuous shooting, without "memory effect". AC-L10 adapter/charger provides stable power for USB transfer.

DSC-F717

ADDITIONAL FEATURES

Clear Color/Clear Luminance NR
4 Mode Intelligent Flash with Red-Eye Reduction
3 Shot Burst mode
3 Shot AE Bracketing mode
Clip Motion Mode
MPEG1 Cue, Review and Divide Editing
3:2 Aspect Ratio Mode
Video Output (PAL/NTSC Selectable)
3 Mode In-Camera Picture Effects
Expanded Focus Indicator Magnifier
Rotating Lens

SPECIFICATIONS

Imager: 2/3" 5.0 Megapixel Effective Super HAD™ CCD (5.2 Megapixel Gross)
Recording Media: Memory Stick® Media
Zoom: 5X Optical/2X Digital/10X Total
Filter Diameter: 58mm
Focal Length: 9.7 – 48.5mm
35mm Equivalent: 38 – 190mm
Aperture: f2.0-2.4
Focus: 5 Area Multi-point AF, Continuously Variable Manual Ring
Minimum Focus Distance: 0.8" (2 cm) Macro Mode, 19.7" (50 cm) Normal
Macro: Yes, selectable
Shutter Speed: Auto, 1/30 – 1/2000 sec, Manual 30 sec – 1/1000 sec
Manual Exposure: ±2.0 EV, 1/3 EV steps
Color LCD: 1.8" 123K Pixels Low Temperature Polysilicon TFT
Eye-level LCD Finder: 180K Pixel Polysilicon TFT w/Diopter Adjust
Flash Modes: Auto/Forced On/Forced Off, Red-eye Reduction On/Off
Flash Effective Range: 1 – 14' 9" ft (0.3 – 4.5m)
Flash Shoe/Terminal: Hot Shoe, ACC Terminal
White Balance: Auto, Daylight, Cloudy, Fluorescent, Incandescent/Manual
Picture Effects: Solarize, Sepia, Negative Art
ISO: Auto, 100, 200, 400, 800
Scene Modes: Twilight, Twilight Portrait, Landscape, Portrait
Self Timer: Yes, 10 Seconds
Audio/Video Out: Yes, NTSC/PAL selectable
Erase/Protect: Yes
Date/Time Stamp: Yes
Slide Show Mode: Yes
Still Image Modes: JPEG (fine), JPEG (standard), TIFF, Email
MPEG Movie Modes: MPEG HQX (320x240, 16fps, Full Screen playback)
MPEG EX Presentation (320x240, 8fps)
MPEG EX Video Mail (160x112, 8 fps)
Clip Motion: Normal (160x120), Mobile (120x108)

JPEG Still Image Mode
Fine/Standard Compression

Memory Stick® Media*	8MB	16MB	32MB	64MB	128MB
2560 x 1920	3/5	6/11	12/23	25/48	51/96
2560 x 1712 (3:2)	3/5	6/11	12/23	25/48	51/96
2048 x 1536	5/9	10/18	20/37	41/74	82/149
1280 x 960	12/23	24/46	50/93	101/187	202/376
640 x 480	48/121	97/243	196/491	394/985	790/1975

MPEG MOVIE MODE
MAXIMUM STORAGE TIME

	HQX (320 x 240)	Presentation (320 x 240)	Video Mail (160 x 112)
8MB	20sec	1 min. 25sec	5 min. 30sec
16MB	42sec	2 min. 54sec	11 min. 13sec
32MB	1 min. 27sec	5 min. 52sec	22 min. 43sec
64MB	2 min. 56sec	11 min. 48sec	45 min. 40sec
128MB	5 min. 54sec	23 min. 39sec	91 min. 34sec

Microphone/Speaker: Yes/Yes
USB Terminal: Yes (2.0 High Speed Capable)
Supplied Software: Pixela™ ImageMixer Software for Sony v1.0, USB Driver
OS Compatibility: Microsoft® Windows® 98/98SE/Me/2000 Professional/XP Home/Pro; Macintosh® OS 8.5.1/8.6/9.0/9.1/9.2
Supplied Accessories: NP-FM50 InfoLithium® Rechargeable Battery, AC-L10 AC Adapter/In-Camera Charger, A/V and USB Cables, Lens Cap w/Strap, Shoulder Strap, 32MB Memory Stick® Media, Software CD-ROM
Dimensions (W/H/D): 4 3/4" x 2 3/4" x 6" (120 x 68 x 151mm)
Weight: 1 lb 8. oz (696g) w/Battery, Memory Stick® Media, Strap

OPTIONAL ACCESSORIES

NP-FM50 InfoLithium® Battery
MSA-16A/32A/64A/128A Memory Stick® Media
AC-SQ950D AC/DC Quick Charger/AC Power Supply
ACC-CSFM Starter Kit (Case/Battery/Filter Kit)
LCM-FX Deluxe Leather Case
LCJ-FHA Deluxe Custom-Fit Case
LCH-FHA Deluxe Hard Case
VCL-MHG07A 0.6X Wide Conversion Lens
VCL-HGD0758 0.7X Wide Conversion Lens
VCL-HGD1758 1.7X Telephoto Conversion Lens
LSC-H58A Lens Hood
VF-58CPK Circular Polarizing Filter Kit
HVL-F1000 Flash
RM-DR1 Wired Remote Control
VCT-D480RM Remote Control Tripod

SONY

*Available storage capacity may vary. a portion of the memory is used for data management functions.