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™ Illuminator
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 Digital EXtended Processor 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, the 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.
**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, Memory Stick PRO™ Media

**Zoom:** 5X Optical/2X Digital/10X Total

**Filter Diameter:** 58mm

**Focal Length:** 9.7 ~ 48.5mm

**35mm Equivalent:** 38 ~ 190mm

**Aperture:** f/2.0-2.4

**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 Off/Forced On

**Red-eye Reduction:** Off/On

**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

**Scenic 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 (80x72)

**Microphone/Speaker:** Yes/Yes

**USB Terminal:** Yes (2.0 High Speed Capable)

**Memory Stick PRO™ Media Compatibility:** Tested to support up to 1GB media capacity; does not support high speed transfer function; does not support Access Control security function

**Memory Stick® Media Compatibility:**

- 2560x1920 (5MP)
- 2560x1712 (3.2)
- 2048x1536 (IMP)
- 1280x960 (1MP)
- 640x480 (VGA)

<table>
<thead>
<tr>
<th>Memory Stick®</th>
<th>Fine/Standard Picture Quality</th>
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<tbody>
<tr>
<td>Media</td>
<td>16MB</td>
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<tr>
<td>2560x1920</td>
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<td>2560x1712</td>
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<td>1280x960</td>
<td>24/46</td>
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<tr>
<td>640x480</td>
<td>97/243</td>
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**Motion Capture Modes**

**Maximum Recording Time (minutes/seconds)**

<table>
<thead>
<tr>
<th>Memory Stick®</th>
<th>MPEG Movie</th>
<th>Clip Motion (Images)</th>
<th>16 Frame Multi-Burst</th>
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<tbody>
<tr>
<td>Media</td>
<td>320x240</td>
<td>160x122</td>
<td>1280x960</td>
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<tr>
<td>Memory Stick PRO™</td>
<td>160x122 (Mail Mode)</td>
<td>80x72 (Mobile-2f)</td>
<td>1280x960 (File/Std)</td>
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<td>16MB</td>
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<tr>
<td>128MB</td>
<td>5m</td>
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**Supplied Software:** Pixella™ Image Mixer 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, AV and USB Cables, Lens Cap w/Strap, Shoulder Strap, 32MB Memory Stick® Media, Software CD-ROM

**Dimensions (W/H/D):** 4 ¾" x 2 ¾" x 6 ¼" (120 x 68 x 151mm)

**Weight:** 1 lb 8 oz (696g) w/Battery, Memory Stick Media, Strap

**OPTIONAL ACCESSORIES**

- NP-FM50 InfoLithium® Battery
- VCL-MHG07A 0.6X Wide Conversion Lens
- VCL-HGD0758 0.7X Wide Conversion Lens
- VCL-HGD1158 1.7X Telephoto Conversion Lens
- LSC-H58A Lens Hood
- VF-58CPK Circular Polarizing Filter Kit
- HVL-F1000 Flash
- VCL-MHG07A 0.6X Wide Conversion Lens
- RM-DR1 Wired Remote Control
- VCT-D480RM Remote Control Tripod

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1 Available storage capacity of Memory Stick and Memory Stick PRO media may vary. A portion of the memory is used for data management functions.