

# DSC-V1

## Cyber-shot® Digital Still Camera



Image not final

### FEATURES

#### 1/1.8" 5.0 Megapixel Effective 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.

#### Traditional, Yet Compact Design

A unique combination of performance and compactness, the DSC-V1 puts high performance imaging right in your hand!

#### ▶ Carl Zeiss® Vario-Sonnar® Lens



Famous for sharpness & color accuracy, the Vario-Sonnar 4X Optical zoom lens features 8 elements in 7 groups with aspheric elements.

#### 0 - 4.0 Smart Zoom (at VGA size)



Smart Zoom intelligently uses the full CCD to let you zoom into the portion of interest by cropping the image size—thus avoiding the image degradation of Digital Zooms.

#### ▶ 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.

#### ▶ 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.

#### Continuous Auto Focus



To maintain accurate focus lock with fast moving subjects, Continuous AF keeps focusing until the moment of exposure.

#### Multi-Pattern Measuring



Independently light-metering 49 points of the frame, Multi-Pattern Measuring establishes the optimum exposure, even when highlight and shadow isn't centered in the frame.

#### Memory Stick® Media



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

#### Slow Shutter Noise Reduction



During long Twilight mode exposures, 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.

#### 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.

#### ▶ Manual Exposure Controls



Flexible Exposure control is provided with Aperture Priority, Shutter Priority and Manual Exposure modes. Program Shift lets you select aperture/shutter speed combinations for direct control of motion and depth of field, while still in Program AE mode.

#### Pre-Flash Metering

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

#### Auto Daylight Synchro Fill Flash

When the Multi-Pattern Measuring system determines the subject is backlit or in shadow, fill flash automatically fires to provide optimum exposure.

#### Dynamic Flash White Balance

By evaluating the Pre-flash, white balance can be set to the color temperature of the flash for greater color accuracy.

#### Live Histogram Display

The live histogram displays number of pixels at each luminosity making it easy to evaluate correct exposure.

#### 5 Megapixel (2592 x 1944) Image Size

With its high resolution CCD, the DSC-V1 captures in 4 different image sizes, Fine or Standard JPEG compression.

#### ▶ NightShot® Infrared System



Capture infrared digital images in total darkness at up to 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.

#### 1.5" LCD Monitor

High resolution 123K pixel design and anti-glare coating help provide excellent viewing and image playback clarity.

#### 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, 1/30 second frame intervals provide convenient motion analysis.

#### MPEG Movie VX Mode



Captures VGA (640x480) high frame rate (16 frames per second) audio/video clips with length limited only by the capacity of the media. Video Mail mode captures smaller file sizes suitable for email.

#### ▶ Hot Shoe and ACC Terminal

Connect Sony's HVL-F32X 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-LS5 adapter/ charger provides stable power for USB transfer.

#### ▶ STEP-UP FEATURE

# DSC-V1

## ADDITIONAL FEATURES

3 Shot Burst Mode	MPEG1 Cue, Review and Divide
3 Shot Auto Exposure Bracketing	3:2 Aspect Ratio mode
Spot Auto Focus	Video Output
Adjustable Color Saturation/Contrast	4 Mode In-Camera Picture Effects
Clear Color/Clear Luminance NR	13 Step Manual Preset Focus

## SPECIFICATIONS

**Imaging Device:** 1/1.8" 5.0 Megapixel Effective Super HAD™ CCD

**Recording Media:** Memory Stick® Media, Memory Stick PRO™ Media

**Zoom:** 4X Optical, 4X Smart Zoom (at VGA size), 16X Total

**Filter Diameter:** 52mm w/Adaptor

**Focal Length:** 7 - 28mm

**35mm Equivalent:** 34 - 136mm

**Aperture:** f2.8 - 4.0

**Focus:** 5 Area Multi-Point AF with Manual select, 13-step Manual Preset

**Minimum Focus Distance:** 15.7" (40 cm)

**Macro Focus Distance:** 3.9" (10 cm)

**Shutter Speed:** Auto, 1/8 – 1/2000 sec, Manual 30 sec – 1/1000

**Manual Exposure:** ±2.0 EV, 1/3 EV Steps

**Color LCD:** 1.5" 123K Pixels Low Temperature Polysilicon TFT

**Flash Modes:** Auto/Forced On/Forced Off/Slow Synchro

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

**Flash Effective Range:** 1.6 – 11.5 ft (0.5 – 3.5m)

**White Balance:** Auto, Daylight, Cloudy, Fluorescent, Incandescent, One-push Manual

**Picture Effects:** Black & White, Solarize, Sepia, Negative Art

**ISO:** Auto, 100, 200, 400, 800

**Scene Modes:** Twilight, Twilight Portrait, Portrait, Landscape, Beach, Snow, Fast Shutter, Fireworks

**Self Timer:** Yes, 10 Seconds

**Video Output:** Yes NTSC/PAL Selectable

**Still Image Modes:** JPEG (Fine/Std.), TIFF, Burst, Auto Bracketing, Email, Voice Memo

**MPEG Movie Modes:** MPEG VX (640x480, 16fps, with audio) MPEG Video Mail (160x112, 8 fps with audio)

**Clip Motion:** Normal (160x120), Mobile (80x72)

**Microphone/Speaker:** Yes/Yes

**USB Terminal:** Yes, Supports USB 2.0

**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

**Battery Type/Capacity:** InfoLithium® NP-FC11 780 mAh Rated

**Supplied Software:** Pixela™ Image Mixer Software for Sony v1.5, USB Driver SPVD-008

**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-FC11 InfoLithium® Rechargeable Battery, AC-LS5 AC Adaptor/In-camera Charger, AV and USB Cables, Wrist Strap, MSA-32A 32MB Memory Stick® Media; Software CD-ROM

**Dimensions (W/H/D):** 3 15/16" x 2 9/16" x 2 1/8" (99 x 65.2 x 56.9 mm)

**Weight:** 10.9 oz (298g) (w/Battery, Memory Stick® Media, Strap)



## JPEG Still Image Mode

Fine/Standard Picture Quality

Memory Stick® Media¹	2592x1944 (5MP)	2592x1728 (3:2)	2048x1536 (3MP)	1280x960 (1MP)	640x480 (VGA)	
16MB	6/11	6/11	10/18	24/46	97/243	
32MB	12/23	12/23	20/37	50/93	196/491	
64MB	25/48	25/48	41/74	101/187	394/985	
128MB	51/96	51/96	82/149	202/376	790/1,975	
Memory Stick PRO™ Media¹	256MB	92/174	92/174	148/264	357/649	1,428/3,571
512MB	188/354	188/354	302/537	726/1,320	2,904/7,261	
1GB	384/723	384/723	617/1,097	1,482/2,694	5,928/14,821	

## MOTION CAPTURE MODES

Maximum Recording Time (minutes/seconds)

Memory Stick® Media	MPEG Movie		Clip Motion (Images)		16 Frame Multi-Burst	
	640x480 (VX Mode)	160x112 (Mail Mode)	160x112 (Normal-10f)	80x72 (Mobile-2f)		
16MB	42sec	11m 13s	88	486	24/46	
32MB	87sec	22m 43s	178	982	50/93	
64MB	176sec	45m 40s	358	1,971	101/187	
128MB	5m 54s	91m 34s	718	3,951	202/376	
Memory Stick PRO™ Media	256MB	10m 41s	165m 35s	1,190	3,571	357/649
512MB	21m 44s	336m 43s	2,420	7,261	726/1,320	
1GB	44m 23s	687m 19s	4,940	14,821	1,482/2,694	

## BATTERY LIFE (Approx)

Battery Fully Charged	Recording-# Shots* LCD On/Off	Recording-Minutes* LCD On/Off	Viewing** No. Images/Batt. Life
NP-FC11	170/230	85min/120min	3600/180min

\*Under Average Conditions:

Normal Mode (JPEG), Picture quality Fine; Shooting each image at 30 second intervals; Zoom is alternated from Wide to Telephoto ends; Flash operated every other shot; Power is turned on/off after every 10 shots; Actual results may vary on conditions of use.

\*\*Viewing single images consecutively, at about 3 second interval.

## OPTIONAL ACCESSORIES

ACC-CSFC Starter Kit (LCS-CSFC, NP-FC11, MSAC-A8)	MSA-32A, MSA-64A, MSA-128A Memory Stick® Media
NP-FC11 InfoLithium® Battery	MSA-128S2 Memory Stick® Media with Select Function (256MB total)
AC-LS5 AC Adaptor/In-camera Charger	MSX-256, MSX-512, MSX-1G Memory Stick PRO™ Media
LCS-VHA Deluxe Soft Leather Carrying Case	MSAC-HGA8 Memory Stick® Media Carrying Case
LCS-VHB Deluxe Semi-Soft Carrying Case	MSAC-US70 Memory Stick PRO™ Media USB Adaptor/Mouse
LCS-CSB Sport Style Carrying Case	MSAC-US20 Memory Stick PRO™ Media USB Adaptor
LCS-CP2 General Carrying Case	MSAC-PC3 Memory Stick PRO™ Media PC Card Adaptor
HVL-F32X External Auto-Programmable Flash	VMC-14UMB Replacement USB Cable
HVL-F1000 External Flash	RM-VD1 Multi-Function Wired Remote Control
VAD-VHA Conversion Lens Adaptor Ring	VCT-D680RM Remote Control Tripod
VCL-DEH07V Hi-grade Wide End Conversion Lens	VCT-R640 Lightweight Tripod
VCL-DEH17V Hi-grade Tele end Conversion Lens	VCT-MTK Travel Tripod
VF-58CPKS Polarizing Filter Kit*	
VF-58M Neutral Density Filter Kit*	
VF-58SC Special Effects Filter Kit*	

\* VAD-VHA Conversion Lens Adaptor Ring Required

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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.

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