# DSC-P10

# Cyber-shot<sup>®</sup> Digital Still Camera



### FEATURES

#### >1/1.8" 5.0 Megapixel Effective Super HAD™ CCD

**MEES** 

Super HAD (Hole Accumulation Diode) CCDs

provide excellent image quality by allowing more light to pass to each pixel, increasing sensitivity and reducing noise.

#### **Ultra Compact Design**

The DSC-P10's sleek metal body is small enough for most any pocket or purse, and easy to use with well placed controls.

#### **3X Optical Zoom Lens**

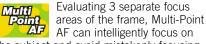
OPTICAL To help frame your shots for better digital pictures. Optical Sector Light South Stant Zoom helps you bring distant subjects closer & pull back for wide shots

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

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

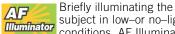
the image degradation of Digital Zooms.

#### **3 Area Multi-Point Auto Focus**



the subject and avoid mistakenly focusing on the background.

#### AF (Auto Focus) Illuminator



subject in low-or no-light conditions, AF Illuminator helps establish a positive focus lock.

#### **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 value, even when highlight or shadow isn't centered in the frame.

#### Memory Stick® Media



Digital. Powerful. Transportable.™ Memory Stick media is compact,

MEMORY STICK portable and rugged connecting a variety of hardware and software applications.

#### **Slow Shutter Noise Reduction**



During long exposures, Slow Shutter NR captures the scene, and then a separate

exposure of just the CCD noise pattern. By subtracting the two, the noise which often distorts long exposures is reduced.

#### 14-Bit DXP A/D Conversion



Sony's 14-bit Digital EXtended **P**rocessor captures the range

between highlight and shadow with up to 16,384 values, for extended dynamic contrast and detail.

#### 1.5" LCD Monitor

Monitors the scene for accurate framing. 123K pixel and anti-glare coating help provide excellent viewing and image playback clarity, even outdoors.

#### **True Zoom Optical Viewfinder**

Provides accurate framing at eve level. great for added stability and following fast moving subjects.

#### **Pre-Flash Metering**

With a momentary pre-flash, the camera illuminates the subject and sets exposure through the lens for 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.

#### Live Histogram Display

Available for capture and playback, 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-P10 captures 4 different image sizes, Fine or Standard JPEG compression.

#### **Scene Selection Mode**



With 7 Scene Modes, camera Scene Selection

to the shooting conditions. Twilight, Twilight Portrait, Landscape, Snow, Beach, Fast Shutter and Fireworks presets make great shots easy!

#### **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 (640 x 480) high frame rate (16 frames per second) audio/video clips with length limited only by the capacity of the media. Video Mail mode captures

Clip Motion Mode



Capture up to 10 images and CLIP Convert them to an animated GIF with 2 fps playback. By

varying the interval between shots you can create animations not possible with other motion capture modes.

#### **Playback Zoom, Trim and Resize**

smaller file sizes suitable for email.



During playback, magnify any portion of the image up to 5X and trim to the area of vour interest. Then, save the new image as a new file in any of the image sizes available from the menu.

#### **Rechargeable InfoLithium® Battery**

Provides reliable, long-lasting power for continuous shooting, without "memory effect". AC-LS5 adaptor/charger provides stable power for USB transfer.

# DSC-P10

## ADDITIONAL FEATURES

3 Shot Burst Mode 3 Shot Auto Exposure Bracketing Adjustable Color Saturation/Contrast Clear Color/Clear Luminance NR MPEG1 Cue, Review and Divide

- 3:2 Aspect Ratio Mode Video Output (PAL/NTSC Selectable)
- 4 Mode In-Camera Picture
- Effects 5 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 Optical Zoom: 3X Optical, 4X Smart Zoom (at VGA size), 12X Total Filter Diameter: N/A Focal Length: 7.9 - 23.7mm 35mm Equivalent: 38 - 114mm Aperture: f2.8 - 5.6 Focus: 3 Area Multi-Point AF, 5 Step Manual Preset Minimum Focus Distance: 19.7" (50 cm) Macro Focus Distance: 3.9" (10 cm) Shutter Speed: Auto, 1/30 - 1/2000 sec, Twilight 2 sec - 1/2000 Manual Exposure: ±2.0 EV, 1/3 EV Ssteps 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: 1.3 – 12.5 ft (0.4 – 3.8m) White Balance: Auto, Daylight, Cloudy, Fluorescent, Incandescent, Flash Picture Effects: Solarize, Sepia, Negative Art **ISO:** Auto, 100, 200, 400 Scene Modes: Twilight, Twilight Portrait, Landscape, Beach, Snow, Fireworks, Fast Shutter Self Timer: Yes, 10 Seconds Video Output: Yes NTSC/PAL Selectable Still Image Modes: JPEG (Fine/Std.), Burst, Email, Voice Memo MPEG Movie Modes: MPEG VX (640x480, 16 fps, 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<sup>™</sup> 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<sup>™</sup> 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, A/V and USB Cables, Wrist Strap, MSA-32A 32MB Memory Stick® media; Software CD-ROM Dimensions (W/H/D): 4 <sup>1</sup>/<sub>4</sub>" x 2" x 1 <sup>7</sup>/<sub>16</sub>" (108 x 51.5 x 35.8mm) Weight: 7.5 oz (206g) (w/Battery, Memory Stick<sup>®</sup> Media, Strap)



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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)

	MPEG Movie			n (Images)	16 Frame Multi-Burst
Memory Stick® Media	640x480 (VX Mode)	160x112 (Mail Mode)	160x112 (Normal-10f)	80x72 (Mobile-2f)	1280x960 (Fine/Std)
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 PR0™ 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	180/240	90min/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) NP-FC11 Infol ithium® Battery AC-LS5 AC Adaptor/In-camera Charger LCS-PHA Deluxe Soft Leather Carrying Case LCS-PX Deluxe Semi-Soft Carrying Case LCS-CSB Sport Style Carrying Case LCS-CP2 General Carrying Case HVL-FSL1A External Slave Flash w/Bracket VAD-PHA Conversion Lens Adaptor Mount VCL-DH0730 Wide Angle Conversion Lens\* VCL-DH1730 Telephoto Conversion Lens\* VF-30CPKS Polarizing Filter Kit\* VF-30NK Neutral Density Filter Kit\* VF-30SC Special Effects Filter Kit\* \* VAD-PHA Conversion Lens Adaptor

Stick<sup>®</sup> Media MSA-128S2 Memory Stick® Media with Select Function (256MB total) MSX-256, MSX-512, MSX-1G Memory Stick PRO™ Media MSAC-HGA8 Memory Stick® media Carrying Case MSAC-US70 Memory Stick PRO™ Media USB Adaptor/Mouse MSAC-US20 Memory Stick PRO™ Media USB Adaptor

MSA-32A, MSA-64A, MSA-128A Memory

MSAC-PC3 Memory Stick PRO™ Media PC Card Adaptor

VMC-14UMB Replacement USB cable VCT-MTK Travel Tripod VCT-R640 Lightweight Tripod

MPK-PHA Marine Pack

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Mount Required

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