

# DSC-P10

## Cyber-shot® Digital Still Camera



### 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.

#### 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



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

#### 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.

#### 3 Area Multi-Point Auto Focus



Evaluating 3 separate focus areas of the frame, Multi-Point AF can intelligently focus on the subject and avoid mistakenly focusing on the background.

#### AF (Auto Focus) Illuminator



Briefly illuminating the 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, 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 Processor 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 eye 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 parameters can be matched 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 (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.

#### Clip Motion Mode



Capture up to 10 images and 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



During playback, magnify any portion of the image up to 5X and trim to the area of your 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	3:2 Aspect Ratio Mode
3 Shot Auto Exposure Bracketing	Video Output (PAL/NTSC Selectable)
Adjustable Color Saturation/Contrast	4 Mode In-Camera Picture Effects
Clear Color/Clear Luminance NR	5 Step Manual Preset Focus
MPEG1 Cue, Review and Divide	

## 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™ 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, A/V and USB Cables, Wrist Strap, MSA-32A 32MB Memory Stick® media; Software CD-ROM

**Dimensions (W/H/D):** 4 1/4" x 2" x 1 7/16" (108 x 51.5 x 35.8mm)

**Weight:** 7.5 oz (206g) (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	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)	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-PHA Deluxe Soft Leather Carrying Case	MSAC-HGA8 Memory Stick® media Carrying Case
LCS-PX 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-FSL1A External Slave Flash w/Bracket	VMC-14UMB Replacement USB cable
VAD-PHA Conversion Lens Adaptor Mount	VCT-MTK Travel Tripod
VCL-DH0730 Wide Angle Conversion Lens*	VCT-R640 Lightweight Tripod
VCL-DH1730 Telephoto Conversion Lens*	MPK-PHA Marine Pack
VF-30CPKS Polarizing Filter Kit*	
VF-30NK Neutral Density Filter Kit*	
VF-30SC Special Effects Filter Kit*	
* VAD-PHA Conversion Lens Adaptor Mount 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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