

## DSC-H90

Bring your subjects in close with the compact Sony® DSC-H90's stabilized 16X optical zoom. Its 16.1MP sensor records crisp photos at up to 10fps, plus HD 720p video. View images and menus on the bright 3.0" LCD, and enhance creativity with built-in Picture Effects, and Sweep Panorama™ modes.

### **16x optical zoom in a compact body**

The Sony® 16x optical zoom G lens brings distant subjects super close for great outdoors, sports, and travel photos. The compact size makes it easy to take with you in a pocket, purse, or backpack.

### **720p MP4 HD Movie Mode<sup>1</sup>**

In 720p MP4 movie mode the camera shoots 1280 x 720 high definition movies at 30 fps, a standard format when working with a PC. Users will create high quality movies with full use of optical zoom in files small enough to transfer to compatible PC or Mac® computer.<sup>1</sup> Once transferred to your computer and connected to the internet, you can effortlessly upload your media to popular photo and video-sharing websites such as Photobucket® and YouTube™.

### **Sweep Panorama™ mode (up to 360°)**

Reach beyond the traditional wide angle lens, and capture more breathtaking shots with Sweep Panorama™ mode. Simply press the shutter button and sweep the camera in the desired direction and the camera continuously shoots at a high speed, then seamlessly stitches the images together with automatic position adjustment to create one stunning panoramic image. Available in wide and up to 360° full circle, the camera can take a variety of panoramic shots. Now capturing wide landscapes is as easy as press and sweep.

### **16.1 Megapixel Super HAD™ CCD Image Sensor**

A powerful 16.1 megapixel 1/2.3" Super HAD™ CCD image sensor helps you capture gorgeous images with superb contrast and clarity down to the finest detail. With 16.1 megapixels, you can create stunning, photo-quality prints up to A3+ (13x19") size, or crop your images and still come away with high resolution shots.

### **3.0" (230K dots) Clear Photo™ LCD display**

Large 3.0" (230K dots) Clear Photo™ LCD display features sharp, natural color that makes it easy to compose shots, read menus, and view photos, even in bright sunlight.

### **Optical SteadyShot™ image stabilization**

Optical SteadyShot™ image stabilization uses a built-in gyro sensor to detect camera shake and automatically shifts the lens to help prevent blur without sacrificing image quality.

### **Picture Effect**

Picture Effect adds a new level of expression to photos, making ordinary landscapes and portraits come to life by heightening mood and emphasizing certain attributes. Select camera models have up to nine different effects.

### **Intelligent Auto Mode**

Unlike traditional auto mode, Intelligent Auto (iAuto) mode thinks for you, recognizing scenes, lighting conditions, faces, and adjusts settings resulting in clear images, faces with natural skin tone and less blur. Take advantage of all the technology without leaving Auto mode. Kids on the playground, landscape shots, a beautiful flower or an indoor birthday party; result in clear images without leaving auto mode.

### **Face Detection technology**

Face Detection technology detects up to eight individual faces and adjusts focus, exposure, and white balance to help deliver crisp, properly lit images of family and friends.

### **Smile Shutter™ technology**

Smile Shutter™ technology captures a smile the moment it happens. Simply press the Smile Shutter™ button and the camera does the rest. You can also select adult and child priority and indicate the degree of Smile Detection sensitivity. Intelligent Scene Recognition can now be used together with Smile Shutter™ mode when the Intelligent Auto mode is on. This means that beautiful smiles can be captured with settings optimized for the particular scene, even in difficult conditions such as twilight and backlighting.

## Anti-blink Function

## Specifications

<b>Camera</b>					
Camera Type	High Zoom digital camera				
<b>Imaging Sensor</b>					
Imaging Sensor	1/2.3" Super HAD CCD Sensor				
Processor	BIONZ®				
Pixel Gross	16.4MP				
Effective Picture Resolution	16.1MP				
Color Filter System	RGB primary color filters				
<b>Recording</b>					
Media Type	optional "Memory Stick Duo" (No movie recording), optional "Memory Stick PRO Duo" (Mark 2 only for movie recording), optional "Memory Stick PRO-HG Duo", optional SD Memory Card (Class 4 or higher), optional SDHC Memory Card (Class 4 or higher), optional SDXC Memory Card (Class 4 or higher)				
Still Image Mode	JPEG				
Still Image Max Effective Resolution	Approx. 16.1 Megapixels				
Still Image Size 16:9	12M (4,608 x 2,592) / 2M (1,920 x 1,080)				
Still Image Size 4:3	16M (4,608 x 3,456) / 10M (3,648 x 2,736) / 5M (2,592 x 1,944) / VGA				
Panorama Still Image Size	Sweep				
Video Mode	1280x720(Fine) (1,280x720/30fps)/1280x720(Standard) (1,280x720/30fps)/				
Audio Format	MP3				
Microphone/Speaker	Mono/mono				
<b>Optics/Lens</b>					
Lens Type	Sony G				
Aperture	f 3.3-5.9				
Optical Zoom	16x				
Digital Zoom	64x				
		Smart Zoom® Technology	16M Approx.64x / 10M Approx.20x / 5M Approx.28x / VGA Approx.115x / 2M(16:9) Approx.38x)		
		Focal Length (35mm equivalent)	Still 16:9: 26-416mm. / Still 4:3: 24-384mm / Movie 16:9:		
		Lens Construction	10 elements in 7 groups (including 4 aspheric elements)		
		Minimum Focus Distance			
		Aspheric Elements	4		
		Steady Shot Mode:Active	Yes		
		<b>Viewfinder</b>			
		Type	None		
		<b>LCD Display</b>			
		LCD Type	3.0" Clear Photo™ LCD (460K dots)		
		Brightness Control	5(Bright) / 4 / 3(Normal) / 2 / 1(Dark)		
		Histogram	Yes		
		Grid Display	Yes (Off / On)		
		<b>Focus Control</b>			
		AF Modes	Multi Point AF / Center Weighted AF / Spot AF / Tracking Focus / Face Tracking Focus		
		AF Illuminator	Auto / Off		
		<b>Exposure System</b>			
		Metering Modes	Multi Pattern / Center Weighted / Spot		
		Exposure Compensation	Plus / Minus 2.0EV, 1 / 3EV step		
		Scene Mode(s)	High Sensitivity / Soft snap / Soft Skin / Landscape / Night Portrait / Night Scene / Gourmet / Beach / Snow / Fireworks / Pet mode / Advanced Sports Shooting		
		D-Range Optimizer	Standard / Plus / Off		
		ISO	Auto / 80 / 100 / 200 / 400 / 800 / 1600 / 3200		
				Auto (Intelligent) / Daylight / Cloudy / Fluorescent 1 (White Fluorescent Lighting) / Fluorescent 2 (Natural White Fluorescent Lighting) / Fluorescent 3 (Day White Fluorescent Lighting) / Incandescent / Flash / One Push, One Push Set	
		White Balance Mode			
		<b>Drive System</b>			
		Self-timer	Off / 10sec. / 2sec. / portrait1 / portrait2		
		Shutter Speeds	iAuto(2" - 1/1600) / Program Auto(1" - 1/1600) /		
		Burst Mode	Approx 1 fps at 16.1MP (Maximum 100 shots)		
		<b>Flash</b>			
		Flash Modes	Auto / Flash On / Slow Synchro / Flash Off		
		Flash Coverage	ISO Auto: Approx.0.3m to 3.7m(11 7/8 inches to 12 feet 1 3/4 inches)(W) / Approx.1.2m to 2.1 m(3 feet 11 1/4 inches to 6 feet 10 3/4 inches) (T). ISO3200: up to Approx.7.3 m(23 feet 11 1/2 inches) (W) / Approx.4.1 m(13 feet 5 1/2 inches)(T)		
		<b>Convenience Features</b>			
		Red-Eye Reduction	Auto / On / Off		
		Erase/Protect	Erase: Single / Select / Date / Folder, Protect: Single / Select / Date / Folder		
		Media/Battery Indicator	Yes / Yes		
		Red-Eye Reduction	Auto / On / Off		
		Erase/Protect	Erase: Single / Select / Date / Folder, Protect: Single / Select / Date / Folder		
		Media/Battery Indicator	Yes / Yes		
		<b>Advanced Features</b>			
		Sweep Panorama	Sweep Panorama / Sweep Panorama (360)		
		Face Detection	8 Faces (Auto / Off / Child Priority / Adult Priority / Key Selected Face Memory)		
		Smile Shutter™ technology	Yes		
		Image Stabilization	Optical SteadyShot™ with Active Mode Image Stabilization		
		In-Camera Editing	Trimming / Red Eye Correction / Unsharp Masking		
		Intelligent Auto	Yes		
		Shooting Tips	Yes		
		Tracking Focus	Off / Auto		
		Blink Detection	Yes		
		<b>Interface</b>			
		Memory Card Slot	MS Duo and SD/SDHC/SDXC Compatible		
		SD Output	4:3		
		HD Output	Composite		
		USB Port(s)	Multi (AV/USB), Hi-Speed USB (USB2.0)		
		<b>Dimensions (Approx.)</b>			
		Dimensions (Approx.)	4 1/8" x 2 3/8" x 1 3/8" (104.7mm x 59.7mm x 33.8mm)		
		<b>Weights and Measurements</b>			
		Weight (Approx.)	7.8oz. (222g)		
		Weight(Approx) (Main unit only)	6.8oz. (192g)		
		<b>Power</b>			
		Battery Type	LITHIUM ION NP-BG1 3.6V		
		Battery Capacity			
		Power Consumption (in Operation)	Approx. 1.3W		
		Power Requirements	AC 100V to 240V, 50/60 Hz, 2W		
		<b>Accessories</b>			
		Supplied Accessories	Battery (NP-BG1) Battery Charger Multi USB Cable Shoulder Strap Instruction Manual		

1. Records in 29 minute segments

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Updated: March 1, 2012