

DSC-WX50

Expand your visual horizons with the Sony® DSC-WX50. Capture stunning images and AVCHD™ 1080/60i video with its 16.2MP CMOS sensor and stabilized 5X optical/10X Clear Image zoom lens. View 3D stills and Sweep Panorama images on its 2.7" LCD, and use Face Detection, Smile Shutter, and Natural Flash to improve portraits.

16.2 Megapixel Back-illuminated Exmor® R CMOS Image Sensor

This camera features a 16.2 megapixel Exmor® R CMOS image sensor that brings out the full resolving power of the camera's Carl Zeiss® lens to deliver extremely fast speed, high resolution, and stunning low-light sensitivity with improved image clarity and drastically reduced grain. In addition, the combined Exmor® R CMOS sensor and BIONZ® image processor delivers extremely fast up to 10fps, Anti Motion Blur, Hand-held Twilight and 1080i movie modes.

Optical zoom plus Clear Image zoom

Most digital zooms use electronic cropping to get closer to the subject, resulting in unsharp images. With Clear Image Zoom the powerful processor compares patterns found in adjacent pixels and creates new pixels to match selected patterns, resulting in more realistic, higher-quality images. Clear Image Zoom doubles optical zoom for closer photos.

Full HD 1080/60i

Record crystal clear movies at the highest resolution available with capabilities for 60i in 1080 AVCHD™ video.¹ This provides stunning, fast motion video with less distortion for playback on your HD TV.² With dual record of stills and movies, you can shoot both at the same time.

Capture the decisive moment - up to 10fps

Capture full 16.2 megapixel resolution images at up to 10 frames per second, helping to ensure that the decisive moment is captured such as the soccer ball flying into the goal. In addition, a mechanical shutter helps reduce distortion when continuously shooting moving subjects.

Optical SteadyShot™ with Active Mode

Optical SteadyShot™ with Active Mode for blur-free movies even while walking.⁴ Camera-shake compensation using Optical SteadyShot/Active Mode has been improved with the addition of new electronic image stabilization. Now it's easier than ever to obtain sharp, blur-free movies even when zooming in unsteady situations, such as shooting with one hand while walking.

3D Still Image and 3D Sweep Panorama™ mode

Produce awe-inspiring images with 3D Still Image and 3D Sweep Panorama™ capabilities.³ Photos will take on a new dimension of creative capabilities for viewing the world in a whole new way.

Intelligent Sweep Panorama™ HR mode

With Intelligent Sweep Panorama™ HR mode just press the shutter, pan the landscape and let the camera do the rest. It automatically links together each frame to produce a high resolution panoramic image providing the ability to zoom in on small details. This model even detects faces and moving subjects to stitch intelligently different widths to help avoid subject distortion.

Background Defocus

DSLR photographs are often beautiful because they blur the background, putting the emphasis on the subject. Now our point-and-shoot cameras can deliver this signature DSLR benefit. The system takes two shots, identifies the background and applies a defocused background keeping the subject crisp and clear.

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 models have up to nine effects.

Superior Auto mode

Get cleaner, more dynamic pictures and fewer missed shots. The camera automatically recognizes the correct scene mode, then quickly shoots and combines up to six shots to produce images with greater clarity, optimum dynamic range using Backlight Correction HDR technology and lower image noise using 6 shots layering technology. Superior Auto intelligently detects 33 scenes for still images and movies, making it easy to get the best shot.

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

Specifications

Camera					
Camera Type	Compact zoom				
Imaging Sensor					
Imaging Sensor	1/2.3" Exmor® R CMOS Sensor				
Processor	BIONZ®				
Pixel Gross	16.8MP				
Effective Picture Resolution	16.2MP				
Color Filter System	RGB primary color filters				
Recording					
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. 16.2 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	HR(10,480 x 4,096) / Wide(7,152 x 1,080/4,912 x 1,920) / Standard(4,912 x 1,080/3,424 x 1,920)				
Sweep Multi Angle Image Size	2M (1,920 x 1,080)				
Video Format	AVCHD Ver2.0/ MP4				
		Video Mode		AVCHD 60i:24M FX/ 17M FH(1,920 x 1,080/60i) / 9M HQ(1,440 x 1,080/60i) / MP4:12M(1,440 x 1,080/30fps)/ 6M(1,280 x 720/30fps)/ 3M VGA(640 x 480/30fps)	
		Photo Capture from Movie		Yes	
		Dual Record		Yes	
		Audio Format		AC3 (Stereo)	
		Microphone/ Speaker		Stereo/mono	
		Wind Noise Reduction		Off/on	
		Optics/Lens			
		Lens Type		Carl Zeiss® Vario-Tessar®	
		Aperture		f 2.6-6.3	
		Optical Zoom		5x	
		Focal Length (35mm equivalent)		Still 16:9: 28-140mm / Still 4:3: 25-125mm / Movie 16:9: 29-145mm(Optical SteadyShot Standard), 30-150mm(Optical SteadyShot Active) / Movie 4:3: 35-175mm(Optical SteadyShot Standard), 37-185mm(Optical SteadyShot Active)	
		Lens Construction		6 elements in 5 groups	
		Minimum Focus Distance			
		Aspheric Elements		3	
		Clear Image Zoom		10x	
		Macro Mode		Yes	
		Steady Shot Mode:Active		Yes	
		LCD Display			
		LCD Type		2.7" Clear Photo™ LCD (460K dots)	
		Brightness Control		5(Bright) / 4 / 3(Normal) / 2 / 1(Dark)	
		Histogram		Yes	
		Grid Display		Yes (Off / On)	
		Focus Control			
		AF Modes		Multi Point AF / Center Weighted AF / Spot AF / Tracking Focus / Face Tracking Focus	
		AF Illuminator		Auto / Off	
		Exposure System			
		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 / Handheld Twilight / Gourmet / Beach / Snow / Fireworks / Pet Mode / Anti-motion blur / Backlight Correction HDR / Underwater	
		D-Range Optimizer		Standard	
		ISO		Auto / 100 / 200 / 400 / 800 / 1600 / 3200 / 6400 / 12800	
		White Balance Mode		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 / Underwater	
		Drive System			
		Self-timer		Off / 10sec. / 2sec. / portrait1 / portrait2	
		Shutter Speeds		iAuto(4" - 1/1600) / Program Auto(1" - 1/1600)	
		Burst Mode		Approx 10 fps at 16.2MP (Maximum 10 shots)	
		Flash			
		Flash Modes		Auto / Flash On / Slow Synchro / Flash Off	
		Flash Coverage		ISO Auto: Approx.0.2m to 5.3m(7 7/8 inches to 17 feet 4 3/4 inches)(W) / Approx.1.0m to 2.2 m(3feet 3 3/8 inches to 7 feet 2 5/8 inches)(T), ISO3200: up to Approx.7.5 m(24 feet 7 3/8 inches)(W) / Approx.3.2 m(10 feet 6 inches)(T)	
		Convenience Features			
		Red-Eye Reduction		Auto / On / Off	
		Erase/Protect		Erase: Single / Select / Date / Folder / AVCHD, Protect: Single / Select / Date / Folder / AVCHD	
		Red-Eye Reduction		Auto / On / Off	
		Erase/Protect		Erase: Single / Select / Date / Folder / AVCHD, Protect: Single / Select / Date / Folder / AVCHD	
		Advanced Features			
		Anti Motion Blur		Yes	
		Sweep Panorama		Intelligent Sweep Panorama / Underwater Sweep Panorama / 3D Sweep Panorama	
		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 ⁴	
		In-Camera Editing		Trimming / Red Eye Correction / Unsharp Masking	
		Intelligent Auto		Yes	
		Shooting Tips		Yes	
		Background Defocus		Yes	
		Superior Auto		Yes	
		Tracking Focus		Off / Auto	
		Blink Detection		Yes	

Photo Creativity	Yes
Interface	
Memory Card Slot	MS Duo and SD/SDHC/SDXC Compatible
HD Output	Mini HDMI
USB Port(s)	Micro USB, Hi-Speed USB(USB2.0)
TransferJet	Send: Yes, Receive: Yes
Dimensions (Approx.)	
Dimensions (Approx.)	W x H x D: 3 3/4" x 2 1/8" x 25/32" (92.2mm x 52.0mm x 19.1mm)
Weights and Measurements	
Weight (Approx.)	4.1 oz. (117g)
Weight(Approx) (Main unit only)	3.6 oz. (101g)
Power	
Battery Type	LITHIUM ION NP-BN 3.6V
Battery Capacity	typical: 2.3Wh (630mAh), minimum: 2.2Wh (600mAh)
Power Consumption (In Operation)	Approx. 1.0W
Power Requirements	AC 100V to 240V, 50/60 Hz, 18W
Accessories	
Supplied Accessories	Battery (NP-BN) AC Adaptor AC-UB10 Micro USB Cable Wrist Strap Instruction Manual

1. Records in 29 minute segments
2. Requires HDTV and HDMI cable sold separately
3. Requires 3D HDTV, HDMI cable (at least 10.2 Gbps) and active 3D glasses sold separately.
4. Combined with electronic stabilization

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