

## DSC-TX20/B

Overcome the elements with the ruggedized Sony® DSC-TX20. Waterproof, dustproof, and shockproof, it captures stunning 16.2MP pictures and AVCHD™ 1080/60i videos with its stabilized 4X optical/8X Clear Image zoom lens. View creative Picture Effects on its 3.0" Xtra-fine touch-screen LCD before shooting.

### **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® Vario-Tessar® 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.

### **Rugged and Stylish**

This camera is just as much at home in the water as on a night on the town! The sleek and stylish camera fits the slimmest pocket or purse, yet is waterproof to a depth of 16 ft, shockproof from falls up to approximately 5 ft and dustproof thanks to its airtight construction. Seamlessly shifting from underwater marvels to a night on the town, the TX20 always makes it easy to get the best shot!

### **Full HD 1080/60i**

Record crystal clear movies at the highest resolution available with capabilities for 60i in 1080 AVCHD™ video.<sup>3</sup> This provides stunning, fast motion video with less distortion for playback on your HD TV.<sup>2</sup> With dual record of stills and movies, you can shoot both at the same time.

### **Capture the decisive moment with 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.<sup>4</sup> 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.<sup>3</sup> Photos will take on a new dimension of creative capabilities for viewing the world in a whole new way.

### **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.

### **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.

### **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.

### **Photo Creativity**

Photo Creativity allows you to fine-tune your exposure settings, such as brightness, color, and vividness, and quickly choose the right enhancement for your subject. Now you can view Picture Effects and Photo Creativity effects in real time on the camera's monitor or in the viewfinder before shooting.

## 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.

## Superior Auto mode

### Specifications

<b>Camera</b>		Microphone/ Speaker	Stereo/mono	Metering Modes	Multi Pattern / Center Weighted / Spot	ISO Auto: Approx.0.08m- 3.7m(3 1/4 inches to 12 feet 1 3/4 inches)(W) / Approx.0.5m- 2.7m(1 feet 7 3/4 inches to 8 feet 10 3/8 inches)(T), ISO3200: up to Approx.5.2m(17 feet 3/4 inches)(W) / Approx.3.8m(12 feet 5 5/8 inches) (T)	
Camera Type	Touch screen digital camera	Wind Noise Reduction	Off/on	Exposure Compensation	Plus / Minus 2.0EV, 1 / 3EV step		
<b>Imaging Sensor</b>		<b>Optics/Lens</b>		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 / Hi-speed Shutter / Underwater	Flash Coverage	
Imaging Sensor	1/2.3" Exmor® R CMOS Sensor	Lens Type	Carl Zeiss® Vario- Tessar®				
Processor	BIONZ®	Aperture	f 3.5-4.6	D-Range Optimizer	Standard	Convenience Features	
Pixel Gross	16.8MP	Optical Zoom	4x				
Effective Picture Resolution	16.2MP	Focal Length (35mm equivalent)	Still 16:9: 27- 08mm / Still 4:3: 25-100mm / Movie 16:9: 27-108mm(Optical SteadyShot Standard), 29-116mm(Optical SteadyShot Active) / Movie 4:3: 33-132mm(Optical SteadyShot Standard), 35-110mm(Optical SteadyShot Active)	ISO	Auto / 125 / 200 / 400 / 800 / 1600 / 3200	Red-Eye Reduction	Auto / On / Off
Color Filter System	RGB primary color filters			Lens Construction	12 elements in 10 groups(including 6 aspheric elements, 1 prism)	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
<b>Recording</b>		Minimum Focus Distance		Clear Image Zoom	8x		
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)	Macro Mode	Yes			Steady Shot Mode:Active	Yes
		Still Image Mode	JPEG	<b>LCD Display</b>			
Still Image Max Effective Resolution	Approx. 16.2 Megapixels	LCD Type	3.0" Xtra Fine LCD™ display (921K dots)	<b>Drive System</b>		Anti Motion Blur	Yes
Still Image Size 16:9	12M(4,608 x 2,592) / 2M(1,920 x 1,080)	Brightness Control	5(Bright) / 4 / 3(Normal) / 2 / 1(Dark)	Self-timer	Off / 10sec. / 2sec. / portrait1 / portrait2	Sweep Panorama	Intelligent Sweep Panorama / 3D Sweep Panorama / Underwater Sweep Panorama
Still Image Size 4:3		Grid Display	Yes (Off / On)	Shutter Speeds	iAuto(4" - 1/1600) / Program Auto(1" - 1/1600)	Face Detection	8 Faces (Auto / Off / Child Priority / Adult Priority / Selected Face Memory)
Panorama Still Image Size	Sweep	Touch Panel	Yes	Burst Mode	Approx 10 fps at 16.2MP (Maximum 10 shots)	Smile Shutter™ technology	Yes
Sweep Multi Angle Image Size	2M (1,920 x 1,080)	<b>Focus Control</b>		<b>Flash</b>		Image Stabilization	Optical SteadyShot™ with Active Mode Image Stabilization <sup>4</sup>
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)	AF Modes	Multi Point AF / Center Weighted AF / Spot AF / Flexible Spot AF / Tracking Focus / Face Tracking Focus / Flexible Spot AF(Tracking Focus) / Flexible Spot AF(Face Tracking Focus)	Flash Modes	Auto / Flash On / Slow Synchro / Flash Off	In-Camera Editing	Trimming / Red- Eye Correction / Unsharp Masking
Photo Capture from Movie	Yes	AF Illuminator	Auto / Off	<b>Exposure System</b>		Intelligent Auto	Yes
Dual Record	Yes					Shooting Tips	Yes
Audio Format	AC3 (Stereo)					Background Defocus	Yes
						Waterproof	Yes
						Dustproof	Yes

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.
5. Waterproof certified to IEC60529 IPX8 standard, shock-proof Certified to 1.5M MIL-STD-810F Method 516.5-Shock, and dustproof certified to IEC 60529 IP5X standard.

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