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DSC-TX55/B

Slim digital camera with with 3.3" OLED touch screen

See pictures in a whole new way with the Sony® DSC-TX55 camera. Viewing on the 3.3" OLED touch screen with vivid colors brings photos to life. With features like 3D still image, amazing Intelligent Sweep Panorama™ HR mode, superb low light function and full HD video, viewing your pictures just got a lot more exciting.

Bullets

- 16.2MP "Exmor R" CMOS sensor for stunning low-light performance
- As thin as a single AA battery, stylish, and ready to shoot
- Full HD 1080/60i with dual record of stills and movies[6]
- 3.3" OLED touch screen for easy focus selection and photo viewing
- Optical SteadyShot™ with Active Mode for blur-free movies
- 3D still image and 3D Sweep Panorama™ mode[4]
- Intelligent Sweep Panorama™ HR mode for one shot landscapes in high resolution
- Background Defocus highlights your subject like a DSLR
- Superior Auto; awesome shots, automatically
- Picture Effect for more expressive photos
- Clear image digital zoom maintains high-resolution zoom
- Fast capture with up to 10fps at full 16.2MP resolution
- Soft Skin mode reduces visible blemishes, and wrinkles
- Natural Flash corrects color balance for lifelike shots
- Carl Zeiss® Vario-Tessar® 5x (25mm) optical zoom lens
- Backlight Correction; get details in difficult lighting
- HDMI® output for easy connectivity
- Smile Shutter™ technology automatically captures a smile
- Face Detection technology captures faces naturally
- Motion Detection suppresses blur in people and other subjects
- Anti-blink, Face Priority and Red-eye Reduction functions
- Sweep Multi Angle™ for 3D-like view on the camera's LCD

Features

16.2 Megapixel Back-illuminated "Exmor R" CMOS Image Sensor

The DSC-TX55 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.[3]

Slim and stylish design

At just over 1/2" thin and only 3.3 oz, this stylish camera is the perfect size to take with you almost anywhere. Slip it into a pocket, purse, or backpack and be ready to shoot memorable moments.

Full HD 1080/60i

Record crystal clear movies at the highest resolution available with capabilities for 60i in 1080. This provides stunning, fast motion video with less distortion for playback on your HD TV.[6]

3.3" (1,229K dots) OLED touch screen with wide viewing angle

3.3" (1,229K dots) OLED touch screen with wide viewing angle delivers brilliant-quality still images and movies while enabling easy focusing operation. The new reinforced-glass touch screen gives the camera a sturdy feeling and prevents color bleed during touch operations.

Optical SteadyShot™ with Active Mode

Optical SteadyShot™ with Active Mode for blur-free movies even while walking. 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] Images will take on a new dimension to view 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 print very large panoramic images as well as to zoom in on small details in the distance and crop them in for a larger view of the object. The high resolution image is a 42.9MP file which is compressed into a jpg. When opening the file in Picture Motion Browser ver. 5.6, it decompresses to the 42.9MP file.

Background Defocus

DSLR photographs are often beautiful because they blur the background, putting the emphasis on your 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

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 36 scenes for still images and movies, making it easy to get the best shot.

Picture Effect for more expressive photos

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. Seven effects give free reign to your imagination to expand creative horizons. HDR Painting creates a rich painted look. Rich-tone Monochrome produces an artistic black and white image. Miniature transforms mundane landscapes into fascinating works of art. Toy camera transitions an ordinary photo into one with high contrast, tunnel view, and four color shifts. Partial color results in a stunning monochrome photo containing a single designated color. High-key creates photos with heightened brightness for a soft clean look.

Clear image digital zoom

Clear image digital zoom maintains a high-resolution feel that is as precise as optical zoom and vastly expands the zoom range without lowering visible quality or pixel count in the final image. With By Pixel Super Resolution processing, the camera's 5x optical zoom range is extended, allowing full resolution 16.2MP images with a maximum 10x zoom.

High speed shooting

The DSC-TX55 can 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, the DSC-TX55 employs a mechanical shutter that helps reduce distortion when continuously shooting moving subjects.

Soft Skin mode

Portrait subjects will love the results. Soft Skin mode recognizes skin tones and reduces the appearance of blemishes and wrinkles without affecting the rest of the shot.

Natural Flash

Conventional point-and-shoot camera flash shots just don't capture colors the way the eye sees them. Natural Flash mode takes a reference shot without flash and then uses that reference to correct the color, for far more lifelike images.

Carl Zeiss® Vario-Tessar® Lens with 25mm equivalent wide angle 5x Optical Zoom

The high-performance Carl Zeiss® Vario-Tessar® 5x optical zoom lens brings distant subjects closer for video recording as well as for outdoor, sports, and travel photos, and Close Focus shoots close-ups within a ½" of the subject. A 25mm equivalent wide-angle lens allows you to take wider shots of the scene or group in crowded spaces.

Backlight HDR

Don't miss a single detail in high contrast shots. The built in backlight correction analyzes the image and automatically adjusts accordingly to give you a perfectly lit shot.

HDMI® output

The High-Definition Multimedia Interface (HDMI®) is a compact audio/video connector interface for transmitting uncompressed digital streams. HDMI connects digital audio/video sources such as a compatible camcorder, Blu-ray Disc™ player, a personal computer, a video game console, or an AV receiver to a compatible digital audio device and/or video monitor such as a digital television (DTV). Easily connect your Cyber-shot® camera via HDMI cable (sold separately) to any compatible HDMI device to easily enjoy and upload content.[6]

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. Also select adult and child priority and indicate the degree of Smile Detection sensitivity. Intelligent Scene Recognition can be used together with Smile Shutter™ mode. This means that beautiful smiles can be captured with settings optimized for the particular scene, even in difficult conditions such as twilight and backlighting.

Face Detection technology

Sony's Face Detection technology can automatically distinguish between children and adults. Face Detection technology detects up to eight individual faces and adjusts flash, focus, exposure, and white balance to help deliver crisp, properly lit images of family and friends.

Motion Detection

Motion Detection, along with Face Motion Detection adjusts ISO sensitivity and increases the shutter speed when movement is detected, reducing blur in moving subjects and faces.

Anti-blink Function

It's frustrating to capture the perfect shot, only to review it later and discover subjects blinked during the photo.   When the camera is set to Soft Snap, the Anti-blink function captures two images, recording only the photo with less squinting or blinking. If a blink is detected in other shooting modes, a warning will be displayed after you take the shot.

Sweep Multi Angle™ mode

In Sweep Multi Angle™ mode, the camera takes 15 images at different angles as it sweeps across the scene. By tilting the camera during playback, the camera's Gyro Sensor detects motion and displays the image in a 3D-like view on the camera's LCD.

Compatible with PC and MAC® Systems

The Full HD video captured with the DSC-TX55 can be used with the provided Picture Motion Browser software for PC and iMovie® (sold separately) for Mac® systems.

Includes Sony® PMB (Picture Motion Browser) Software ver. 5.6

Sony Picture Motion Browser software offers a simple, intuitive way to transfer, sort, and view your video and still images on your compatible PC.[1] In addition, multiple output options let you burn your memories to DVD using an external DVD burning device, as well as take advantage of one click upload to a number of popular video and photo sharing sites (such as Facebook® and Sony's Personal Space   site). Using the new 5.6 version also enables playback of 3D images taken on the Cyber-shot® camera.

Includes Sony® PMB Portable software

With the pre-installed Picture Motion Browser (PMB) Portable 5.6 software the DSC-TX55 makes it easy to pre-select videos and images in the camera and conveniently upload them from the camera to a compatible PC and popular Internet sharing sites without the need for any additional software or install.[2]

Specifications

Camera	
Camera Type	Touch screen digital camera

Imaging Sensor	
Imaging Sensor	1/2.3" (7.77mm) "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 Micro, Memory Stick Micro Mark 2, Micro SD Memory Card, Micro SDHC Memory Card
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 3:2	
Still Image Size 4:3	16M (4,608 x 3,456), 10M (3,648 x 2,736), 5M (2,592 x 1,944), VGA (640 x 480), 3D: 16M(4,608 x 3,456) / 16:9(12M)(4,608 x 2,592)
Panorama Still Image Size	2D: 7,152 x 1,080(238deg) / 4,912 x 1,080(163deg) / 4,912 x 1,920(172deg) / 3,424 x 1,920(120deg), 3D: 7,152 x 1,080(238deg) / 4,912 x 1,080(163deg) / 4,912 x 1,920(172deg) / 3,424 x 1,920(120deg) / 1,920 x 1,080(64deg)
Sweep Multi Angle Image Size	1,920 x 1,080 (15views)
Video Format	AVCHD 60i / MP4

Video Mode	1,920 X1,080 (FX) Approx 24Mbps Approx 60fps interlace 1,920 X1,080 (FH) Approx 17Mbps Approx 60fps interlace 1,440 X1,080 (HQ) Approx 9Mbps Approx 60fps interlace 1,440 x 1,080 Approx 12Mbps Approx 30fps, Progressive 1,280 x 720 Approx 6Mbps Approx 30fps, Progressive 640 x 480 (VGA) Approx 3Mbps Approx 30fps, Progressive
Photo Capture from Movie	Yes
Dual Record	Yes
Audio Format	Dolby Digital (AC-3) / MPEG-4 AAC-LC
Microphone/ Speaker	Stereo / Mono

Optics/Lens	
Lens Type	Carl Zeiss® Vario-Tessar®
Aperture	iAuto (F3.5-F(W)) / Program Auto (F3.5-F6.3 (W))
Aperture (Max.)	
Optical Zoom	5x
Digital Zoom	Smart Zoom / Precision Digital Zoom / Off
Smart Zoom® Technology	16M Approx. 20x / 10M Approx. 25x / 5M Approx. 35x, VGA: Approx. 72x / 12M (16:9) Approx. 20x / 2M (16:9) Approx 48x
Focal Length (35mm equivalent)	Still 16:9: 28-140mm / Still 4:3: 26-130mm / Movie 16:9:
Lens Construction	12 elements in 10 groups (including 6 aspheric elements,1 prism)
Minimum Focus Distance	
Aspheric Elements	6

Viewfinder	
Type	none

LCD Display	
LCD Type	3.3" Xtra Fine™ OLED (1,229k dots)
Brightness Control	5 steps
Grid Display	Yes (Off / On)

Focus Control	
AF Modes	9 points AF (Under Face Undetected) / Center Weighted AF / Spot AF/ Flexible Spot AF (touch)
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 / Night Scene / Hanheld Twilight / Night Portrait / Soft Snap / Landscape / Beach / Snow / Fireworks / Hi-Speed Shutter / Gourmet / Pet / Soft Skin / Anti Motion Blur / Backlight Correction HDR
D-Range Optimizer	Standard
ISO	Auto / 100 / 200 / 400 / 800 / 1600 / 3200
Noise Reduction	Clear RAW NR / NR Slow Shutter
White Balance Mode	Auto / 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

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)

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Flash	
Flash Modes	Auto / On / Slow Syncro / Off
Flash Coverage	ISO Auto: Approx. 0.08m-Approx. 5.1m (Approx. 0.26'-Approx. 16.73') (W) / Approx. 0.5m-Approx. 4.0m (Approx. 1.64'-Approx. 13.12') (T), ISO3200: up to Approx. 7.2m (Approx. 23.62) (W) / Approx. 5.7m (Approx. 18.70') (T)

Convenience Features	

Red-Eye Reduction	Auto / On / Off
Erase/Protect	Single / Select / Date / Folder / AVCHD
Media/Battery Indicator	Yes / Yes
Power Save Mode	Standard / Stamina / Off

Advanced Features	
Anti Motion Blur	Yes
Sweep Panorama	Intelligent Sweep Panorama / 3D Sweep Panorama / Sweep Multi Angle

Face Detection	8 Faces (Auto / Touch - Selected Face Memory / Child Priority / Adult Priority/ Off)
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
Background Defocus	Yes

1. Files compatible with iMovie® '09 or later on Mac. Software not compatible with Mac

2. For firmware update on Mac OS® X go to www.esupport.sony.com.

3. Records in 29 minute segments.

4. Requires 3D HDTV, HDMI cable (at least 10.2 Gbps) and active 3D glasses sold separately.

6. Requires HDTV and HDMI cable sold separately.