

Sony TX1 'beautiful, beautiful and beautiful'

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After a lot of success in the fashion camera segment, Sony continues to promote its strength with the TX1 version using its latest technologies.



Sony Cyber-shot DSC-TX1 with glamorous fashion design and impressive performance. *(Photo: Sony)* .

The most prominent feature of the TX1 is its ultra-compact size . The body is only about 16.5 mm thick and weighs less than 140 grams, making it ideal for compacting in a shirt pocket. The front surface is slightly protruding, which helps to avoid slippage when the hand gets too much sweat while increasing the aesthetic value. The thin outer shell protects the lens while turning on the device when pushed down. This is also a very interesting feature that is inherited from the "upperclassman" T700 and T90, making operation more flexible and quick.



The TX1's interface is one of the most beautiful and simple of all compact cameras available in the market. *(Photo: Imaging Resource)* .

The TX1's control system is minimized thanks to the help of 3-inch **touch screen** , 230,000-pixel resolution. The TX1's top has only the power on / off key, shutter key and a zoom lever. Clear Photo Plus technology helps users to view photos directly in different lighting conditions without fear of glare or color deviation. The icons on the screen are arranged neatly and easy to understand with clear notes. According to Imaging Resource, TX1's interface can be listed as the most beautiful and simple among the compact cameras available on the market today. The high-sensitivity multitouch screen helps select and slide the finger smoothly.



At ISO 125 and 200, details are quite good even in high contrast areas. The image is a little blurry, but it does not affect much when printing in moderate size. Noise is still pretty well controlled at ISO 400. The ISO settings higher than 800 make images lose more detail and tarnish significantly. (Photo: *Imaging resource*).

TX1's 10.1 Megapixel Exmor R sensor uses back-lit technology that Sony used to advertise loudly at PMA 2009. The company claims that Exmor R sensor has double the light sensitivity compared to the chip used. Using traditional FSI technology. The test of Imaging Resource and Photographyblog shows that, at ISO 125 and 200, details are quite good even in high contrast areas. The image is a little blurry, but it does not affect much when printing in moderate size. Noise is still pretty well controlled at ISO 400. The ISO settings higher than 800 make images lose more detail and tarnish significantly.



Images are obtained when Steady Shot optical stabilization is turned off (left) and turned on (right).
(Photo: Photographyblog) .

Sony TX1 uses Carl Zeiss Vario-Tessar lens with 12 components divided into 10 groups, including 4 aspherical lens elements and a photo flip prism . The focal range of the machine ranges from 35 mm to 140 mm (converted film system), equivalent to 4x zoom. The maximum aperture of the machine is only $f / 3.5$, a bit inconvenient in low-light shots and deprives the advantage of the Exmor R. sensor. According to the Imaging Resource, because the TX1 lens is too small and deep in the camera body, The resulting image is quite blurry at the edge. Blurring areas appear most clearly at the bottom left edge. The image distortion also appears slightly above average when the lens is set to the lowest focal length of 35 mm. In return, chromatic aberration on high contrast areas is handled very well. The TX1 also has an optical stabilization mechanism, which helps to increase the exposure time to 2.5 to 4 stops compared to normal without making the image blurry.



Handheld Twilight photos have a total exposure time of 1/8 second, ISO 1,600, f / 3.5 aperture (do not use a tripod). The image has very little noise with the ability to reproduce colors extremely impressive but the definition is not high. To capture a similar image in Program mode, we must push the speed to 1/4 second and ISO 2,000. (Photo: *Imaging Resource*).

Sony TX1 has up to 7 scenes to choose from . Intelligent Auto mode can identify up to 9 types of scenes with lighting conditions and faces within 1/30 seconds. This mode also allows users to customize the level of full auto or advanced.

It also supports shooting in low light conditions with Handheld Twilight function. It will take 6 consecutive pictures at high speed (less than 1 second) when you press the shutter button only once. These photos will be transferred to the BIONZ processor to analyze, remove noise and smudging borders around the object,

eventually producing a complete single image. This function is well tested and evaluated by Cnet and Imaging Resource experts. The resulting image is a bit fuzzy, but there is little noise and high contrast despite pushing the ISO up to 1,600. At this sensitivity level, most travel cameras on the market today are unable to fully reproduce details and standard color areas like the TX1. The continuous anti-blur shooting feature is similar to the Handheld Twilight function, but is optimized to create the most realistic images for fast-moving objects such as running cars or children playing .

For non-professional users, Panorama shooting is an interesting " *gift* " that Sony favored for the TX1. Instead of having to take photos one by one and then reconnecting on the computer, you just press the shutter button once, panning the camera at a moderate speed and waiting for TX1 to process the data. The output image can reach a maximum resolution of 4,912 x 1,080 pixels, just the size of an HDTV screen.



A complete Panorama image can be done very simply on the TX1 by pressing the shutter button and panning the camera at a moderate speed. (*Photo: Imaging Resource*) .

TX1 has a relatively fast operating speed. The shutter lag is only about 8 milliseconds, increasing to about 0.6 seconds when the lens has not been focused on the subject. In single shooting mode, the device achieves about 1.4 shots per second. Continuous shooting speed at the highest setting can reach up to 10 frames per second. Standby time between 2 images when setting the flash at the strongest output power is only about 4 seconds, very impressed with a " *fragile* " model like TX1. The white balance of the device tends to make the image slightly warm when shooting under filament light. When returning to manual white balance (Manual WB), this phenomenon is completely removed.

Although there are some disadvantages that occur due to lens limitations, in general, the TX1 is a perfect travel camera with a rich feature set, stylish design without sacrificing image quality. Currently TX1 is selling for more than 6 million VND for portable goods in Vietnam, quite high compared to the face by travel cameras in the market.

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