

SONY
make.believe



2012 product guide

Cyber-shot® digital still cameras

Captures life.
Complements lifestyle.





Cover Model

Discover special DSC-WX150 features, specifications and color options on page 44.



PlayMemories

The latest from Sony, an all-encompassing way to store, access and share your memories. Learn more on page 26.



Learn More

Get more information, videos, tips and interactive demos by scanning the codes throughout this product guide.

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Technology

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The power of imaging.

The Power of Imaging

At Sony, we believe images should have the power to stir your emotions; to stop time; to remind you of the people, places and events that you most treasure. This belief inspires us to constantly reimagine photography. It compels us to make fundamental advances in the way light is shaped, captured and transformed into digits. It drives us to develop the extraordinary technology that sets Sony Cyber-shot® cameras apart. This is the power of imaging.

It's all about image quality.

Deep inside Cyber-shot cameras are the three fundamental components that define picture quality. While some camera companies can only buy these components from outside suppliers, Sony is a primary manufacturer — and technological innovator — in all three areas.

*Image*³



The Lens.

Your pictures can only be as good as the lens that gathers and shapes light. That's why Cyber-shot cameras use refined Sony Lenses, Sony G Lenses and superb Carl Zeiss® lenses.



The Image Sensor.

Sony manufactures 30 million image sensors. Per month. This explains how Sony constantly leads the way in resolution and low-light performance.



The Processor.

Are the pictures clean and clear? Is the camera fast and responsive? With Sony, the answer is yes thanks to processors like our legendary BIONZ® chip, a technology we borrowed from our α DSLRs.





Never be afraid of the dark.

Nighttime subjects too often result in dark, blurry or fuzzy pictures. Thanks to Sony's Exmor® R sensors and BIONZ® processors, you can shoot with confidence.



An invitation to get closer.

Sony empowers you to put a 20x optical zoom camera in your pocket. From nature to sports to travel, it's never been easier to fill the frame with your subject.



Smarter than your average camera.

Not sure how to pick the right operating modes? Sony's Superior Auto system picks for you! Quickly and automatically, it selects the best choice from as many as 44 different modes.



HD Movie from the HD experts.

No company knows more about HD than Sony — a fact that becomes much clearer when you experience the Full HD 1080/60p performance available in Cyber-shot cameras.



Shoot at the speed of life.

Before the moment passes, capture sports, backyard shenanigans or the fleeting expression of a baby. Selected Cyber-shot cameras can shoot at up to 10 frames per second.



Make a style statement.

Don't settle for drab. With their sleek, sculptural design and their range of elegant colors, Cyber-shot cameras are always in fashion.

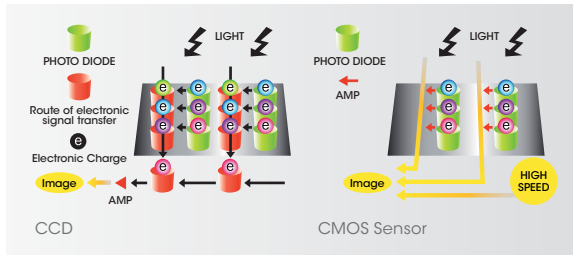
The power and performance of Sony image sensors.



DSC-WX50, WX70, WX150, TX20, TX66, TX200V, HX10V, HX20V, HX30V, HX200V

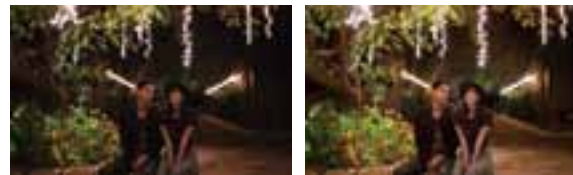
The CMOS Sensor Advantage

Sony's CMOS sensors convert light to digital signals using Sony's original on the chip Column A/D Conversion which aids in delivering images of superb quality with extremely low noise and high speed.



Exmor® R Low-light Performance

Thanks to back-illuminated technology that positions the light-sensitive photo diodes above the support circuitry rather than below it, Sony's Exmor® R CMOS sensor is twice as sensitive to light as conventional CMOS sensors. This design also contributes to a 50% noise reduction. This dramatic improvement in sensitivity lets users enjoy cleaner and higher definition images with less noise when shooting in low light conditions.



Without Exmor® R CMOS Sensor

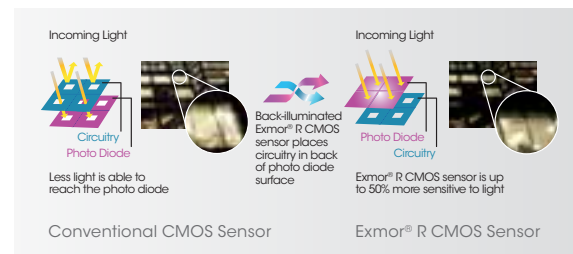
With Exmor® R CMOS Sensor

18.2 Megapixels Images

DSC-WX150, TX66, TX200V, HX10V, HX20V, HX30V, HX200V

For resolution far beyond the ordinary, select Cyber-shot® models incorporate a technology called By Pixel Super Resolution. This system analyzes the image pixel by pixel, compensates for lens and sensor limitations, consults a rich database of images and creates a Super Resolution output. The result is incredible detail.

You can enjoy images of up to 18.2 megapixels, excellent for printing high resolution photos and zooming in on details. This is detail to rival DSLR cameras.



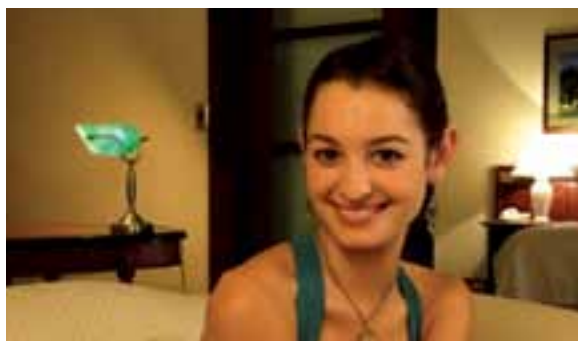
Scan QR code with your smartphone to view Low-light video.

Anti-Motion Blur

This mode helps capture clean, sharp images in low-light when subjects are moving. The camera rapidly captures six shots with high sensitivity and fast shutter speed. The shot with the least subject movement is selected to render those elements, while data from all six frames are combined for stationary elements. The result is a single image with significantly less noise and blur than otherwise possible with a single low-light shot.



Without Anti-Motion Blur



With Anti-Motion Blur

Hand-held Twilight

Select this mode to capture sharp, low noise images of low-light scenes in which there is little subject motion. Like Anti-Motion Blur mode, six shots are rapidly captured, but lower ISO is prioritized over fast shutter speed. The position of objects in all six images is analyzed and the image data superimposed to realize a single image with significantly less noise and blur than otherwise possible with hand-held low-light shooting.



Without Hand-held Twilight



With Hand-held Twilight

Backlight Correction HDR

Shooting high-contrast scenes can often lead to washed out backgrounds and details getting lost in the shadows. Backlight Correction HDR helps alleviate this problem by taking three pictures at different exposures and processing the best elements of each into a single image.



Without Backlight Correction HDR



With Backlight Correction HDR

The better the lens, the better the picture.

Carl Zeiss® Lens



DSC-W650, WX50, WX70, TX66, TX200V, TX20, HX200V

For superior sharpness, excellent contrast and color accuracy, professional photographers depend on Carl Zeiss® lenses. That's because they can be relied upon to consistently maintain the resolution, contrast, illumination and color of photos — from the center all the way to the corners. These diverse lenses offer wide angles up to 25mm equivalent, which make it easier to get better group shots in tight confines and focal lengths up to 870mm equivalent on the HX200V for great shots even from far away.

G Lens



DSC-W690, WX150, H90, HX10V, HX20V, HX30V

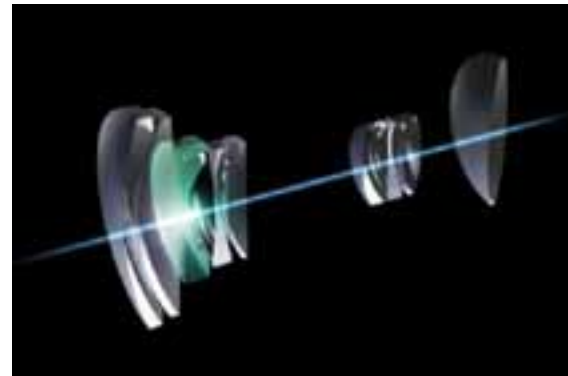
To help you get the best shots, Sony's G Lens covers a wide focal length range and provides exceptional contrast and sharpness. An excellent example is the G Lens of the Cyber-shot® DSC-HX20V which covers a broad range from 25mm equivalent wide-angle to 500mm equivalent telephoto. Consisting of 12 elements in 9 groups, this lens includes 4 aspherical elements and an extra-high refractive index element to minimize chromatic aberration.

Sony's G Lens is also capable of very high zoom functionality. DSC-HX20V offers a high optical zoom of 20x which is excellent for use at sporting events, wildlife, distant landscape views and dramatic portrait shots.

Advanced Aspherical Element

DSC-W690, WX150, HX20V, HX30V

For 2012, Sony was able to double the optical zoom ratio in lenses that are as much as 54% thinner than last year's. It's an incredible feat of optical engineering, made possible by Sony's Advanced Aspherical (AA) lens element. By controlling chromatic aberration on the image plane, the AA element enables the lens to be not only substantially thinner than last year, but also up to 37% smaller in diameter. At its center, the AA element is just 0.3 mm thick (about 1/100 inch). Molding and shaping the element requires extraordinary precision. And that's exactly what Sony achieves. The result? Maximum zoom in minimum size — with no sacrifice in image performance!



Highlighted in green, Sony's Advanced Aspherical element is the secret behind higher zoom in a thinner camera.

Get the shots you imagine with zoom lenses.

Up to 30x Optical Zoom

To accommodate different shooting situations, pro photographers travel with lenses in a range of focal lengths. But you can accomplish much the same with the zoom lenses of Sony Cyber-shot cameras. The wide angle end of the range is truly wide, to capture the feeling of landscapes and interiors. The middle range is great for portraits, while the telephoto position can fill the frame with field sports, wildlife and architectural details.

Clear Image Digital Zoom

DSC-WX50, WX70, WX150, TX20, TX66, TX200V, HX10V, HX20V, HX30V, HX200V

Sony digital processing converts a 30x optical zoom into 60x, to get you that much closer to your subject! The system starts by cropping into the sensor and blowing up the central portion. Then Sony's pixel-by-pixel processing draws on a vast database of image detail to bring your picture up to nearly full resolution.

High zoom



1x Zoom



16x Zoom



20x Zoom



30x Zoom

Wider wide angles



35mm Equivalent



25mm Equivalent



1x Zoom



30x Optical Zoom



60x Digital Zoom



60x Clear Image Zoom

Overcoming blurred stills and shaky videos.

SteadyShot® Image Stabilization

DSC-W610, W620

SteadyShot® image stabilization compensates for camera shake and helps prevent blur through use of digital processing technologies.

Optical SteadyShot™ Image Stabilization with 2-way Active Mode

DSC-WX50, WX70, WX150, TX20, TX66, TX200V, H90, HX10V, W650, W690

Sony's Active Mode image stabilization gives you the freedom to shoot movies even while walking or running. 2-way Active Mode corrects for both vertical and horizontal motion, providing up to 10x the correction of standard mode.

Optical SteadyShot™ Image Stabilization with 3-way Active Mode

DSC-HX20V, HX30V, HX200V

In addition to the features of the 2-way Active Mode, 3-way Active Mode adds a gyro sensor that also helps compensate for camera "roll" or pivoting. So even if you're moving with the subject, the video is smooth and stable.



Scan QR code with your smartphone to view Optical SteadyShot™ image stabilization video.

Bringing it Home

Sony's Optical SteadyShot™ image stabilization with 3-way Active Mode helps eliminate excessive camera shake from your videos — even if you're shooting while on the move. It's perfect for active scenes like:

- Your kids at the park or beach
- Your latest outdoor adventure



Without Optical SteadyShot™ image stabilization



With Optical SteadyShot™ image stabilization

The power of creativity.

Picture Effect

DSC-W620, W650, W690, WX50, WX70, WX150, TX20, TX66, TX200V, H90, HX10V, HX20V, HX30V, HX200V

Thanks to Sony's powerful processing engines, you don't need to accept reality as it is. You can shape it, change it and color it to your liking with Sony's useful Picture Effect modes. Go black-and-white with Rich Tone Monochrome or Partial Color. Get artistic with HDR Painting, Watercolor Painting and Illustration. Tone it down with Soft Highkey or pump it up with Pop Color. Thanks to Sony Picture Effect modes, the choice is yours.



Scan QR code with your smartphone to view Picture Effect video.



Scan QR code with your smartphone to view 9 Picture Effects video.

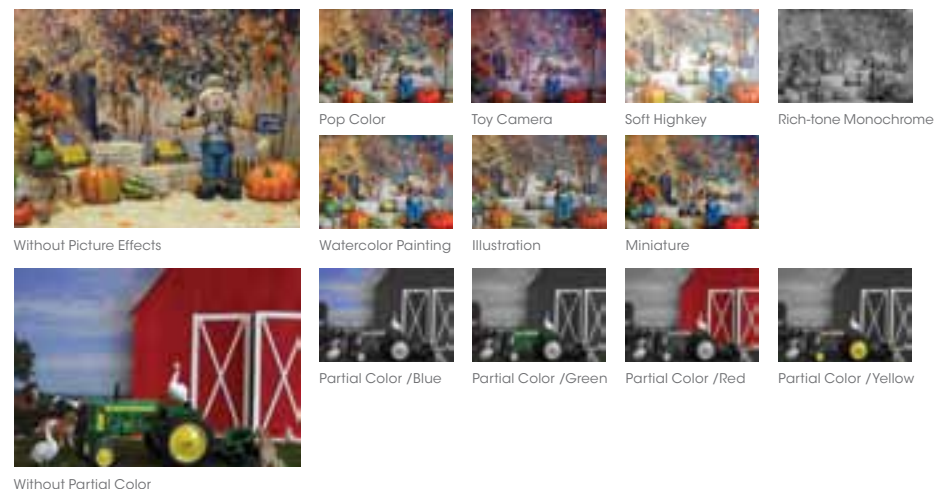


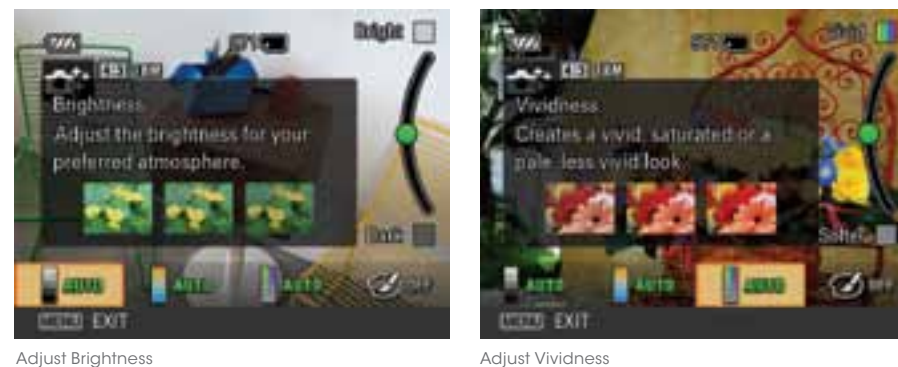
Photo Creativity

DSC-TX66, TX200V, HX10V, HX20V, HX30V, HX200V

Even if you're not familiar with technical adjustments like White Balance, Exposure Compensation and Saturation, Sony makes it easy. The Photo Creativity on-screen interface lets you directly control Color, Brightness and Vividness. It's fun. It's easy. And you can see the effect of your adjustments every step of the way. For maximum control, you can even combine Photo Creativity with Picture Effect.



Scan QR code with your smartphone to view Photo Creativity video.



Adjust Brightness

Adjust Vividness

Features to get the best shot.

Tracking Focus

Tracking Focus helps ensure your photo subjects always appear crisp and clear. Just select a subject using the LCD monitor or cross key, and the camera will keep precise focus on that particular person or object — no matter where it may move within the frame.



Background Defocus

Professional photographers, using DSLR cameras, often intentionally blur photo backgrounds to make their main subjects stand out. Now you can utilize this same artistic technique in your photos with Sony's Background Defocus feature. The camera simultaneously takes a sharply focused foreground shot and defocused background shot, then combines the two into one seamless image.



Everything in focus

+



Defocused background

=



Combined Image with Background Defocus



Scan QR code with your smartphone to view Background Defocus video.

Natural Flash

Flashes on conventional point-and-shoot cameras simply can't capture colors the way your eye actually sees them. To correct this problem, Sony's Natural Flash takes an initial shot without a flash. This reference shot is then used to correct the color in a second shot — taken with the flash — to produce a more lifelike final image.



Without Natural Flash

With Natural Flash

Soft Skin

Minimize the appearance of blemishes, fine wrinkles and dull complexions in your portrait shots with Sony's Soft Skin mode. It automatically detects up to eight faces in your photo, then digitally corrects skin imperfections while enhancing the mouths and eyes of your subjects. Backgrounds and other objects in your photos remain untouched.



Without Soft Skin

With Soft Skin

Smile Shutter®

Everyone knows how tricky it can be to capture shots of people at the perfect moment when they're smiling. That's what makes our Smile Shutter® technology such a hit. The system can track multiple smiles plus offers an Adult/Child Priority setting to zero in on the smiles of little ones. It's perfect for capturing true, natural smiles that often last for only a moment.

Smile not detected.
No picture taken.

Smile Detected! Picture taken.

Self-Portrait Timer

Hand-held self portraits have always been difficult — you can't see the LCD to confirm your face is in the frame. Self-portrait timer confirms proper framing with Face Detection — selectable for one or two faces. Once activated, Self-portrait timer automatically releases the shutter 2 seconds after a face is detected in the scene — now it's easy to get into the picture!

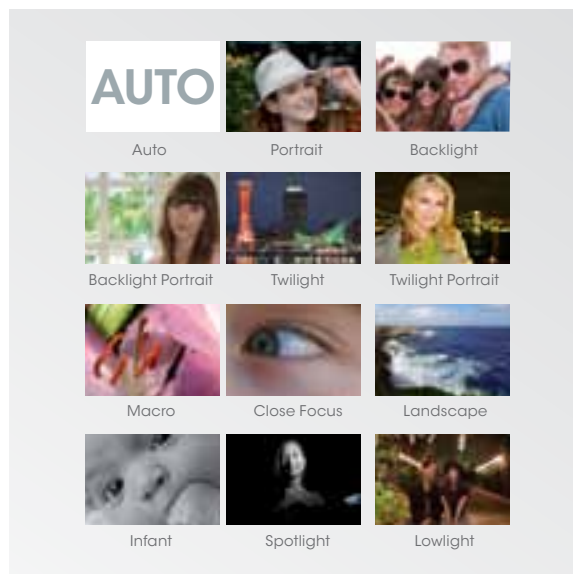
Face Detection

When Face Detection is engaged on a Sony® digital camera, it can recognize a human face and automatically optimize your shots to take better pictures of people. Face Detection allows you to capture sharper images with less blur.



Intelligent Scene (iSCN) Recognition

Thanks to enhanced "Intelligent Scene Recognition", the camera recognizes a multitude of different patterns of scenes then chooses the automatic mode that best matches the shooting scene. "Superior Auto" not only recognizes scenes but also senses conditions, detecting and analyzing subject and motion to allow automatic choice of optimal shooting method, exposure, flash control, white balance and tint.

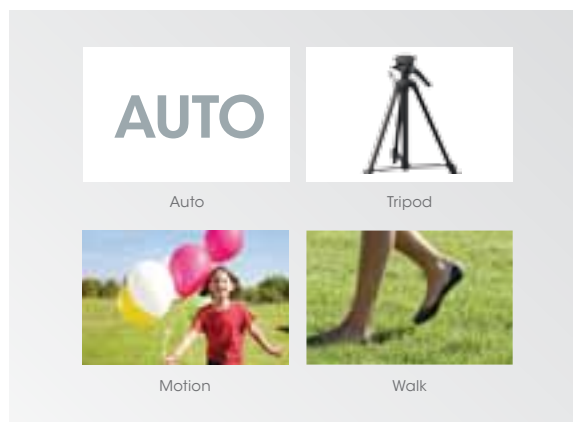


Scene Group: 12 scenes

Intelligent Auto (iAuto) Mode

When you choose "Intelligent Auto" mode, advanced "Intelligent Scene Recognition" is activated. The camera recognizes up to 36 kinds of scenes for still image shooting and up to 44 kinds of scenes for movie shooting, optimizing camera settings. Since an icon blinks at the top-left corner of screen when the camera recognizes a type of scene, users can tell immediately at a glance that "Intelligent Scene Recognition" is active.

Note: Advanced mode of Intelligent Scene Recognition can be selected from the menu.

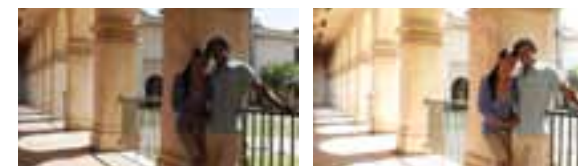


Condition Group: 3 still scenes and 4 movie scenes

Superior Auto

DSC-WX50, WX70, WX150, TX20, TX66, TX200V, HX10V, HX20V, HX30V, HX200V

Get cleaner, more dynamic pictures — and miss fewer shots — with Sony's new Superior Auto mode. 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.



Exposed only for background + Exposed only for subject



Using Superior Auto mode both subject and background are properly exposed

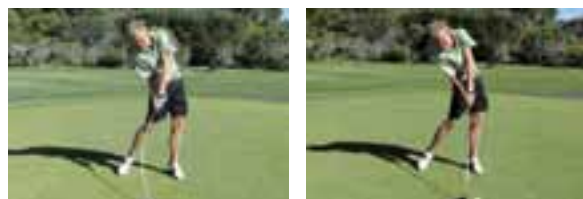
10 Frames Per Second Bursts

DSC-WX50, WX70, WX150, TX20, TX66, TX200V, HX10V, HX20V, HX30V, HX200V

These cameras can capture up to 10 frames per second bursts at full resolution, helping ensure you never miss the decisive moment. The mechanical shutter eliminates the distortion common to images of moving subjects shot with electronic shutters.



Continuous Burst Mode shooting at up to 10 frames per second helps you capture the decisive moment



Without Mechanical Shutter

With Mechanical Shutter

Intelligent AF

Working directly with iAuto mode, Intelligent AF (Auto Focus) automatically detects changing conditions such as subject brightness and zooming ratio. Because Intelligent AF can begin focusing even before users half-press the shutter button, the camera is capable of high-speed and power-saving auto focus.

High-Speed AF

DSC-WX150, TX66, TX200V, HX10V, HX20V, HX30V, HX200V

Focusing is faster than ever thanks to the collaboration of four technologies — the lens, Exmor® R CMOS sensor, a newly developed BIONZ® Imaging Processor and its optimized focus processing. You can get the right focus and shoot in as little as 0.1 seconds — twice faster than our conventional models — and never miss a subject. Using technology that estimates the distance to a subject based on two out-of-focus images, this AF system allows quick, smooth focusing because it only searches for focus around the area where the subject is expected to be. The advanced AF function allows you to capture a fleeting moment — for example, a bird's agitated flutter or quick changes in your pet's expression — in a memorable photo.



Scan QR code with your smartphone to view High-Speed AF video.

Dynamic Range Optimization (DRO) & DRO Plus

DSC-W610, W620, W650, W690, H90

Dynamic Range Optimization helps preserve image data in bright highlights and recovers data from shadowy areas. This function is particularly useful when shooting scenes with high-contrast lighting between the foreground and background. As a result, photos appear more natural and closer to what your eye sees. With DRO Plus, the camera analyzes each region of the image to recover shadow without affecting highlights.



Without DRO



DRO Standard



DRO Plus

Nobody knows HD like Sony.

Full HD: 1920 x 1080/60p



DSC-TX200V, HX20V, HX30V, HX200V

Full HD image quality of 1920 x 1080/60p. Since it features progressive HD movie capability unlike conventional interlacing, every frame is full HD resolution 1920 x 1080 frame size. This enables quick capture of sports action and animals in motion as ultra-precise and smooth movie images. Thanks to the 60p frame rate, still images of crucial moments can be extracted from movie footage while maintaining full HD image precision.



Scan QR code with your smartphone to view Full HD video.

AVCHD™ for TV: 1920 x 1080/60i

DSC-WX50, WX70, WX150, TX20, TX66, HX10V

AVCHD format captures a high degree of detail and smooth movement.² Record AVCHD movies up to 1920 x 1080 at 60i. Video clips can be played back directly from the camera, or can be transferred to DVD or Blu-ray Disc™ media.¹¹ They can then be played back on HDTVs via compatible Blu-ray Disc™ players, PlayStation®3 systems and compatible PCs.



MP4 for PC: 720p/480p Motion JPEG

DSC-W620, W650, W690, H90

MP4 is ideal for enjoying and sharing HD movies on your PC, Mac® computer or the Internet. Depending upon the camera model, you can record video up to 1280 x 720 or 640 x 480 at 30fps. An MP4 file is a compressed single file format, perfect for uploading to computers and Web sharing sites like YouTube™. (Compatible computer with Internet connectivity required.)



Bringing it Home

Special movies shot on a Cyber-shot® digital camera in AVCHD 1920 x 1080 at 60i are meant to be viewed on a big screen. You no longer have to huddle around a PC if you want to:

- Enjoy movies at home on an HDTV with family and friends
- Watch movies in the office, church or other group settings

Many people depend upon electronic media to share their memories and experiences. When you record your movies in 1440 x 1080 or 1280 x 720 at 20fps MP4 format, movies are recorded in a compressed format, making it easy to

- Upload your video clips to web sites
- Email files to family and friends



Dual Record

DSC-WX50, WX70, WX150, TX20, TX66, TX200V, HX10V, HX20V, HX30V, HX200V

Dual record enables you to capture still images while shooting a movie. Just press the shutter button to take up to 10 still photos, whenever you want! Thanks to Sony's high-quality super-high speed BIONZ® image processor and Dual Rec, you can take movies and still images at once. So you'll never again have to choose between taking a great movie and capturing a great photo!

Click Shutter Button to capture a digital still photo while recording.



Press MOVIE to begin recording.



Scan QR code with your smartphone to view Dual Record video.



Smooth video with 3-Way Active Mode

DSC-HX20V, HX30V, HX200V

Optical SteadyShot™ image stabilization with Active Mode is now more advanced than ever! In addition to existing ability to correct camera shake in vertical and horizontal directions, the camera realizes camera shake correction in a third direction, thanks to new correction for rolling motion. An exclusively designed gyro sensor detects rolling camera motion and helps correct blur caused by camera shake. Now, you can shoot steady, easy-to-watch movies — even with single-handed shooting while walking!

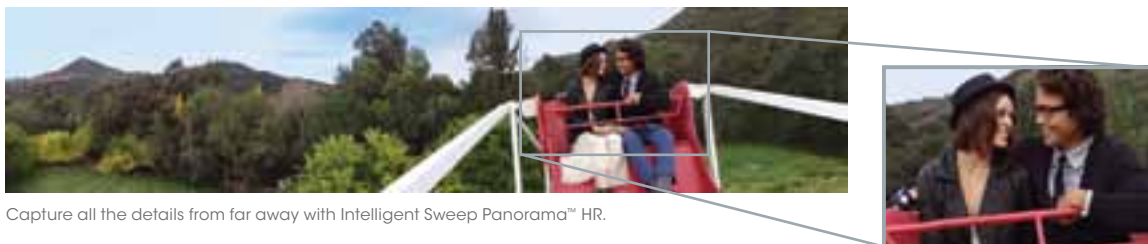
Take in the whole scene.



Intelligent Sweep Panorama™ HR Mode

DSC-WX50, WX70, WX150, TX20, TX66, TX200V, HX10V, HX20V, HX30V, HX200V

Intelligent Sweep Panorama™ HR mode takes a high-resolution photo which allows the ability to print very large panoramic images as well as to zoom in on small details in the distance and crop them 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. 5.5, it decompresses to the 42.9MP file.



Capture all the details from far away with Intelligent Sweep Panorama™ HR.

Sweep Panorama™ Mode up to 360°

DSC-W610, W620, W650, W690, H90

Now Sony's Sweep Panorama mode is even more spectacular — capturing a full 360° sweep of your surroundings! Select Cyber-shot® cameras offer a choice of Standard, Wide and 360° sweep, to match the view you want to take in.

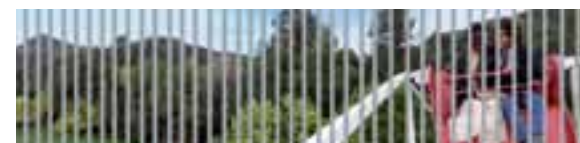


Scan QR code with your smartphone to view Sweep Panorama video.

Intelligent Sweep Panorama™ Mode

DSC-WX50, WX70, WX150, TX20, TX66, TX200V, HX10V, HX20V, HX30V, HX200V

Intelligent Sweep Panorama mode takes our Sweep Panorama function to the next level with the addition of motion compensation. Even when subjects are moving in the foreground of your landscape, these cameras can detect faces and moving subjects, intelligently stitching different widths together to minimize distortion.



Variable width captures compensate for subject movement during exposure.

Incredibly immersive 3D.



DSC-WX50, WX70, WX150, TX20, TX66, TX200V, HX10V, HX20V, HX30V, HX200V

Sweep Multi-Angle®

With Sony's Sweep Multi Angle mode, you can take photos that seemingly come to life. As you sweep your camera across the shot, it records 15 images from different angles. Then when you tilt the camera during playback, a gyro sensor detects your motion and displays a dynamic, 3D-like photo on the LCD screen.



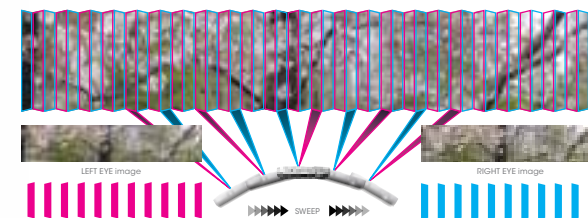
3D Still Image

In 3D still image mode, the camera takes 2 shots, adjusting focus as needed for each image. After analyzing distances between subject and foreground and subject and background, it converts the two images into 3D. City skylines, and other expansive scenery never looked as spectacular or lifelike on a 3D TV.



3D Sweep Panorama™

3D Sweep Panorama 3D Sweep Panorama technology lets you capture every day memories in 3D. Simply sweep the camera across a scene for 3D Sweep Panorama mode. In 3D Sweep Panorama, the camera records separate right and left-eye images that make your photos pop when viewed on your 3D TV.*



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

Displays that bring your images to life.

Easy Touch Control

DSC-TX20, TX66, TX200V, WX70

A simple touch

The intuitive touch-screen display offers the ultimate in viewing pleasure. It features "Touch-it" functionality for shooting and viewing plus other conveniences such as flick-to-scroll playback and one-touch access to the easy-to-read MENU. To record Full HD (1920 x 1080) AVCHD™ movies, simply select the Movie start/stop icon on the upper left of the screen. Movie recording starts instantly even if a different shooting mode is being used. The display also features outstanding readability thanks to colored icons and intelligently designed menus.

Customizing

For a more personalized shooting experience, you can also customize the display. Just drag and drop icons of frequently used controls, such as for flash and ISO sensitivity, to enhance usability. Users who prefer fewer icons for a cleaner looking display can disable icons or hide all icons in the MENU screen. In addition, the highly responsive screen allows effortless operation even while wearing gloves or when using the supplied Paint Pen.

Xtra Fine LCD™ Display

DSC-WX70, TX20, TX66, TX200V, HX10V, HX20V, HX30V, HX200V

Sony's high resolution Xtra Fine LCD display is a generous 3.0 inch screen with a phenomenal 921K dots. It looks like a beautiful photo print whether you're shooting pictures or showing them off.



TruBlack™ Technology

DSC-TX200V, HX20V, HX30V, HX200V

TruBlack Tired of not being able to see images on your camera's LCD screen while shooting in bright light? To counter this challenge, Sony has treated the display screen on select cameras with TruBlack technology. The technology increases the visibility of colors in dark areas, plus reproduces richer blacks with higher contrast. To reduce reflections, the display is coated with AR film and the display contains a layer of resin that replaces the air space.

3.3" OLED Display

DSC-TX66, TX200V

Still photos and movies can be beautifully displayed on the 3.3" OLED with touch-screen (1229K dots). The organic light emitting display (OLED) shows the image through the lens with higher contrast and a wider viewing angle than conventional LCDs, for powerful, vivid playback. And, its high-speed response is faster than ordinary LCDs for smoother playback of dynamic action. Now, use the OLED to see images more realistically, and capture photos and movies with real-life excitement!



Without OLED Display



With OLED Display



Retrace your steps.

GPS & Compass Mapping



DSC-TX200V, HX10V, HX20V, HX30V, HX200V

Ideal for travelers, the built-in GPS and compass "geotags" your photos and movies, letting you view the current location and direction the image was taken. The GPS receiver also automatically adjusts the camera's clock to the appropriate time zone. This is especially useful when traveling! Using the downloadable PlayMemories software⁹, you can also download your digital files to your PC. These videos and still images can then be reviewed and played back using the software's Map View that shows thumbnail pictures where every shot was taken. PlayMemories also lets you share your videos and photos with others, allowing you to create files that can then be viewed using the Google Earth™ mapping service.⁴

Like having a pro by your side.

In-Camera Guide

In-Camera Guide is here to help you. Since In-Camera Guide contains easy-to-understand manuals in camera about shooting functions, keywords and icons, you can get an answer right on the spot. You no longer have to open an in-carton instruction manual and go over countless pages. When pushing "?" button/icon, six types of searching options will find a solution for you.



Bringing it Home

Sony's Geotagging and GPS Indexing features — along with PlayMemories software⁹ — remembers the exact location worldwide of every photo or video you take. It's especially handy when you're:

- Vacating in foreign countries
- Traveling through remote areas
- Hiking or fishing



Back home, relive your adventures again in exciting new ways using PlayMemories software, Google Earth and other compatible applications.⁴

Plugging in to power.

USB Charging

DSC-WX50, WX70, WX150, TX20, TX66, TX200V, HX10V, HX20V, HX30V

Select 2012 Cyber-Shot® cameras have convenient USB charging capabilities with optional accessories (AC-UP100, DCC-U50A and AC-501AD).



Durable design.

Waterproof and Dustproof

DSC-TX200V

At the beach or by the pool, these are the ideal cameras to tuck in your pocket for spontaneous photos.

Waterproof: These cameras are waterproof up to a depth of about 16 feet for approximately 60 minutes.

Dustproof: With their airtight construction, the cameras are certified dustproof.

More than just slim, these cameras also feature the stunning design of Sony's T-Series, the stunning performance of Sony's Exmor® R CMOS sensor, the ingenuity of Sweep Panorama™ modes and the beauty of Full HD 1080i.

Waterproof, Dustproof and Shockproof

DSC-TX20

The DSC-TX20 delivers an additional degree of ruggedness for your active lifestyle.

Waterproof: These cameras are waterproof up to a depth of about 16 feet for approximately 60 minutes.

Dustproof: With their airtight construction, the cameras are certified dustproof.

Shockproof: The camera is shockproof to withstand falls of approximately 5 feet.



TX20



TX200V

Post-shooting solutions.

Wi-Fi® Sharing



DSC-HX30V

Why reach for the USB cable when Sony lets you go wireless? For copying or displaying images and videos, these cameras connect to a world of Wi-Fi equipment.

ANDROID™ SMARTPHONES AND TABLETS.

Sony's PlayMemories Mobile™ app lets you transfer photos from your camera to your phone or tablet. Then you can view them, pass them around to friends or upload them to Facebook® and other networking sites.

TELEVISIONS

Televisions equipped with the DLNA® digital media rendering function will support Wi-Fi photos, slideshows and the Cyber-shot® PHOTOMUSIC function. There's no need for an HDMI® cable. And you can use your camera as a remote control to run the show.

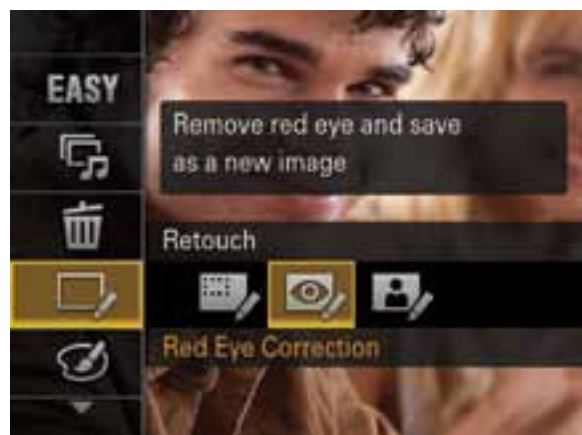
COMPUTERS

Save photos and movies to a PC via Wi-Fi. It's made possible by PlayMemories Home™ software, a PC application built into Cyber-shot cameras that can load onto your computer.



In-Camera Retouch

Why wait to get to a PC to edit your images? Do it all on the spot with Sony's convenient in-camera retouching tools. Functions include Trimming, which allows you to crop your images down to only include what you want to keep in the picture, Red-Eye Correction, which eliminates red glowing eyes in people and unsharp masking, which can reduce blur in the image. These editing features vary depending upon which Cyber-shot® DSC you are shooting with.



Media Card Slot



It's all about choice for Cyber-shot camera owners. Most models accept both Memory Stick Duo™/Memory Stick PRO Duo™/Memory Stick PRO-HG™ media and SD/SDHC media. In keeping with its ultra-slim profile, the DSC-TX66 and TX200V accept a choice of Micro SD and Memory Stick micro memory cards. (Media sold separately.)

TransferJet™ Technology

DSC-WX50, WX70, WX150, TX20, HX10V, HX20V, HX30V, HX200V

TransferJet™ technology makes it easier — and more fun — to share, view and store your digital memories. With TransferJet-enabled Cyber-shot® cameras you can now transfer up to 10 files (photos or video) wirelessly to compatible TransferJet-enabled DSC, PC, TV or digital photo frame. This close-proximity wireless transfer protocol allows¹² you to share and enjoy your content as soon as you get it! (TransferJet technology and TransferJet Memory Stick® media is required in both devices.)

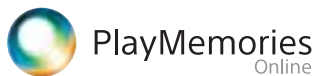


The PlayMemories experience.



PlayMemories Mobile™: Free from Google Play™ and iTunes® app store.

Bloggie Live™ camera owners can transfer videos and photos to the Internet using this app for Android smartphones, tablets and the Apple iPad® and iPhone®.



PlayMemories Online™: Cloud-based service

It doesn't matter whether you're at a family reunion, in a coffee shop, or even up a mountain half-way around the world. Once your photos and videos are uploaded to PlayMemories Online, you can view them all on almost any device. Upload from your smartphone or tablet (Apple iOS or Android™). There's no converting, resizing or encoding needed. Just a tap of a button and your pictures are stored forever.

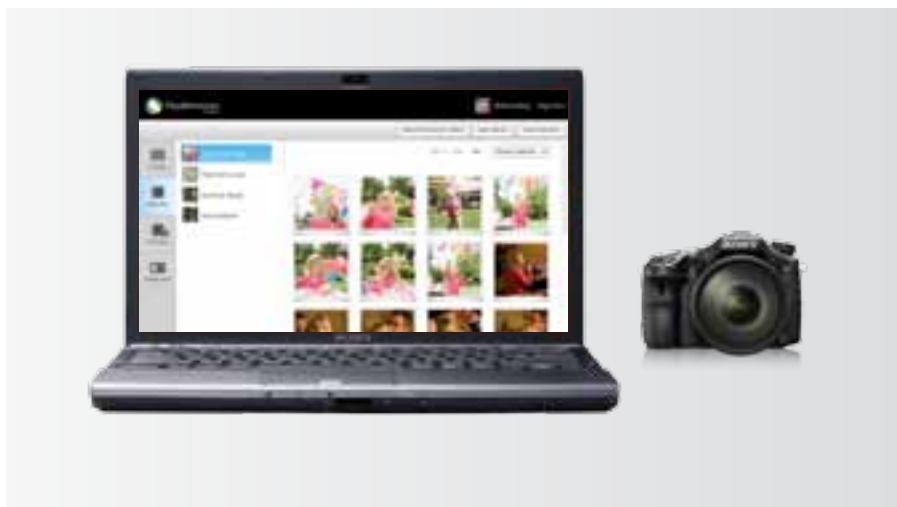
From there, you can email photos and videos to a person (like a postcard with personal message), share them with a group or access them wherever you like on a smartphone, laptop, tablet or BRAVIA® TV with PlayMemories widget.





PlayMemories Home™: PC software

PlayMemories Home is included with every Sony camera and camcorder. Keep it simple. Find and organize your photos by date or location. The successor to Picture Motion Browser, this PC software links to all your cameras and camcorders. You can easily see when and where you took your photos with Calendar View and Map View (with GPS-enabled cameras). You can even organize and edit 3D videos into exciting mini-movies for your friends and family. What you do next is up to you. Upload to PlayMemories Online, Facebook® or YouTube™, burn to a CD, DVD or Blu-ray Disc™ media or just save in your personal folder so you can access them another time.



PlayMemories Studio™: For the PS3™ system

Take control of your photos and videos and bring them to life through your PS3 system. PlayMemories Studio will be available from the PlayStation® Store on a paid basis starting in Spring 2012. Using your PS3™ controller, you can add sound effects or edit your videos to make the perfect home movie quickly and intuitively. You can even indulge your artistic side and combine your still pictures and videos into a beautiful montage. You can also create a playlist, add new photos, or just enjoy them on the big screen, even in 3D³ — all from your PS3 system.



Which Cyber-shot[®] are you?

The choice is yours.

At Sony, we don't just make cameras. We develop them for specific customer needs and lifestyles. From first-time purchasers to digital sophisticates, there's a Sony Cyber-shot camera for every taste and budget.

W-Series



Photography in fast forward.

Lots of devices will take pictures. But few will do so with the beauty, the simplicity and the stunning style of a genuine Cyber-shot camera. While the W-Series is tailored to first-time buyers and traditionalists, you'll still find up to 18 megapixel detail, HD Movie with full 1080 resolution, Superior Auto and more.



DSC-W610



DSC-W620



DSC-W650



DSC-W690



DSC-WX50



DSC-WX70



DSC-WX150

T-Series



As always, thin is in.

Sony presents high technology as fashion accessory. This year's T-Series is not just for urban sophisticates. It's for everyone who has a touch of style and an eye for great pictures. Every model features an Exmor® R CMOS sensor, an LCD or OLED touch-screen and burst mode shooting at up to 10 fps.



DSC-TX20



DSC-TX66



DSC-TX200V

H-Series



Refine your point of view.

Sony's high-zoom cameras are about more than wildlife and field sports. Optical zoom ranges of up to 30x enable you to find exactly the right focal length for each shot: wide, medium or full telephoto. State-of-the-art lenses, sensors and processors put the H-Series in the digital forefront.



DSC-H90



DSC-HX10V



DSC-HX20V



DSC-HX30V



DSC-HX200V



W-Series

Photography in fast forward.

Lots of devices will take pictures. But few will do so with the beauty, the simplicity and the stunning style of a genuine Cyber-shot camera. Affordable as they are, the W-Series still offers up to 18 megapixel detail, HD Movie with full 1080 resolution, Superior Auto and more. Of special note, the DSC-W690 packs a 10x optical zoom lens in an amazingly thin package, while the WX70 has a touch-screen, plus a full complement of Sony Exmor® R CMOS technologies.



DSC-WX150

W-Series



DSC-W610

DSC-W620

DSC-W650

DSC-W690

DSC-WX50

DSC-WX70



DSC-W610

Capture superb picture quality with ease.

Its 14.1MP sensor, 4x optical zoom and Sweep Panorama™ mode allow you to create breathtaking images. With Face Detection, Smile Shutter™ technology, Soft Skin and iAuto modes, it's simple to capture perfect portraits.

14.1 Megapixel Super HAD™ CCD image sensor

A powerful 14.1 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 14.1 megapixels, you can create stunning, photo-quality prints up to A3+ (13 x 19") size, or crop your images and still come away with high resolution shots.

Intelligent Scene Recognition (iSCN) mode

Intelligent Scene Recognition (iSCN) Mode automatically detects eight different types of scenes, selects the appropriate camera settings: Backlight, Backlight Portrait, Twilight, Twilight Portrait, Twilight using a tripod, Portrait, Landscape and macro.

2.7" (230K dots) Clear Photo™ LCD display

Generous 2.7" (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.

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.

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.

Dynamic Range Optimizer

Dynamic Range Optimizer (DRO) Standard and Plus uses a sophisticated algorithm to help recover shadows and highlights. The result is more natural images with clearer details that more closely match what your naked eye sees. DRO is particularly effective when shooting backlit portraits or any scene with a dramatic contrast between background and foreground lighting. DRO Plus allows for even greater optimization by analyzing each region of an image and performing additional image processing.



Sweep Panorama™ mode (up to 360°)

Reach beyond the traditional wide angle lens and capture more breathtaking shots



Intelligent Auto mode

Recognizes scenes, lighting conditions and faces and adjusts settings, resulting in clear images, faces with natural skin tone and less blur.



Face Detection

Detects up to eight individual faces and adjusts focus, exposure and white balance.



Sweep Panorama™ Demo

Scan QR code with your smartphone to view a Sweep Panorama™ video.



Black



Silver



Pink



Green



Blue

Specifications

GENERAL	Camera Type	Compact zoom digital camera	
	Image Device	1/2.3" Super HAD CCD Sensor	
	Effective Pixel Resolution	14.1 MP	
	Processor	BIONZ®	
	Lens Type	Sony	
OPTICS & LENS	Lens Construction	6 elements in 5 groups (including 3 aspherical elements)	
	Aperture Range	f 2.8-5.9	
	Focal Length (33mm Equivalency)	Still 16:9: 28-114mm/Still 4:3: 26-105mm/ Movie 4:3: 26-105mm	
	Optical Zoom	4x	
	Digital Zoom	8x	
LCD & VIEWFINDER	LCD Type	2.7" Clear Photo™ LCD (230K dots)	
	Viewfinder	None	
RECORDING	Media Slot	MS Duo and SD/SDHC/SDXC Compatible	
	Still Images	16:9 mode: 11M (4,302 x 2,432)/2M (1,920 x 1,080); 4:3 mode: 14M (4,320 x 3,240)/10M (3,648 x 2,736)/5M (2,592 x 1,944)/VGA; Panorama mode: 360° (1,1520 x 1,080)/Wide (7,152 x 1,080/4,912 x 1,920)/Standard (4,912 x 1,080/3,424 x 1,920)	
		Video	VGA (640 x 480/30fps)/QVGA (320 x 240/30fps) ¹
		Microphone/Speaker	Mono/Mono
	Focus	Multi Point AF/Center Weighted AF/Spot AF	
FOCUS	Intelligent Auto Focus	-	
	Macro Mode	-	
	Exposure Metering	Multi Pattern/Center Weighted/Spot	
	Exposure Compensation	Plus/Minus 2.0EV, 1/3EV step	
	ISO	Auto/80/100/200/400/800/1600/3200	
EXPOSURE	Backlight Correction HDR	-	
	Dynamic Range Optimizer	Standard/Plus/Off	
	White Balance	Auto (Intelligent)/Daylight/Cloudy/Fluorescent 1 (White Fluorescent Lighting)/Fluorescent 2 (Natural White Fluorescent Lighting)/Fluorescent 3 (Day White Fluorescent Lighting)/Incandescent/Flash	
	Shutter Speed	iAuto (1/8-1/1,600)/Program Auto (1"-1/1,600)	
SHUTTER	Burst Mode	Approx 1 fps at 14.1MP (Maximum 100 shots)	
	Flash Type	Built-in Flash	
	Flash Effective Range	ISO Auto: Approx. 0.3m-3.5m (0.98"-11.48")(W)/ Approx. 0.6m-1.8m (1" 1.96"-5.91")(T), ISO3200: up to Approx. 7.1m (23.3") (W)/Approx. 3.7m (12.1")(T)	
FLASH	Flash Mode	Auto/Flash On/Slow Synchro/Flash Off	

FEATURES	Scene Modes	High Sensitivity/Soft snap/Landscape/Twilight Portrait/Twilight/Gourmet/Beach/Snow/Pet mode
	Image Stabilization	SteadyShot® Image Stabilization
	GPS	-
	Panorama	Sweep Panorama/Sweep Panorama (360)
	Multi-shot layering	-
	Intelligent Auto	-
	Intelligent Scene Recognition	-
	Face Detection	Yes
	Blink Detection	-
	Smile Shutter™ Mode	Yes
	Self-timer	Off/10sec./2sec./portrait1/portrait2
	In-Camera Editing	Trimming/Red Eye Correction
INPUTS & OUTPUTS	TransferJet™ Technology	-
	Tracking Focus	-
	USB	Multi (AV/USB), Hi-Speed USB (USB2.0)
POWER	HD Video	-
	SD Video	4:3
	Supplied Battery	LITHIUM ION NP-BN 3.6V
DIMENSIONS	Battery Life (Approx.) ⁸	125 minutes
	Number of Images (Approx.) ⁸	250
	Dimensions (Approx.)	3 3/4 x 2 1/8 x 25/32" (92.9 x 52.4 x 19.3mm)
SOFTWARE	Weight (Approx.)	4.0 oz. (113g)
	Software for download	PlayMemories Home™ for PC Music Transfer for PC and Mac®
SERVICE & WARRANTY	Limited Term Warranty	Limited 1 year parts and labor
	Battery	LITHIUM ION NP-BN 3.6V (NP-BN)
SUPPLIED ACCESSORIES	Battery Charger	Yes
	A/V Cable	-
	USB Cable	-
	Multi-Connector Cable (A/V/USB)	Yes
	Wrist Strap	Yes
FOOTNOTES	Paint Pen	-
	1. Recording limited to 29 minute segments	
8. Actual performance varies based on settings, environmental conditions, and usage. Battery capacity decreases over time and use.		



DSC-W620

Capture superb picture quality and HD video with ease.

Its 14.1MP sensor, 5x optical zoom and Sweep Panorama™ mode allow you to create breathtaking images, while 720p video records the action and sound, even when zooming. Make taking pictures more fun with Picture Effects, like toy camera and pop color.

14.1 Megapixel Super HAD™ CCD image sensor

A powerful 14.1 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 14.1 megapixels, you can create stunning, photo-quality prints up to A3+ (13 x 19") size, or crop your images and still come away with high resolution shots.

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. Four effects include Toy Camera, Pop Color, Partial Color and Soft High-Key.

2.7" (230K dots) Clear Photo™ LCD display

Generous 2.7" (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.

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.

Intelligent Scene Recognition mode

Intelligent Scene Recognition (iSCN) mode automatically detects 33 different types of scenes and selects the appropriate camera settings.

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.

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.



720p MP4 HD Movie mode

In 720p AVI movie mode the camera shoots 1280 x 720 high definition movies at 30 fps, a standard format when working with a PC.¹



Sweep Panorama™ mode (up to 360°)

Reach beyond the traditional wide angle lens and capture more breathtaking shots.



Intelligent Auto mode

Recognizes scenes, lighting conditions and faces and adjusts settings, resulting in clear images, faces with natural skin tone and less blur.



Picture Effects Demo

Scan QR with your smartphone code to view a Picture Effects video.



Black



Silver



Red



Specifications

GENERAL	Camera Type	Compact zoom digital camera
	Image Device	1/2.3" Super HAD CCD Sensor
	Effective Pixel Resolution	14.1 MP
	Processor	BIONZ®
OPTICS & LENS	Lens Type	Sony
	Lens Construction	6 elements in 5 groups (including 3 aspherical elements)
	Aperture Range	f 3.2-6.5
	Focal Length (33mm Equivalency)	Still 16:9: 30-150mm/Movie 16:9: 32-160mm/Still 4:3: 28-140mm/Movie 4:3: 28-140mm
	Optical Zoom	5x
Digital Zoom	10x	
LCD & VIEWFINDER	LCD Type	2.7" Clear Photo™ LCD (230K dots)
	Viewfinder	None
RECORDING	Media Slot	MS Duo and SD/SDHC Compatible
	Still Images	16:9 mode: 11M (4,302 x 2,432)/2M (1,920 x 1,080); 4:3 mode: 14M (4,320 x 3,240)/10M (3,648 x 2,736)/5M (2,592 x 1,944)/VGA; Panorama mode: 360° (11,520 x 1,080)/Wide (7,152 x 1,080/4,912 x 1,920)/Standard (4,912 x 1,080/3,424 x 1,920)
	Video	1280 x 720 (1,280 x 720/30fps)/VGA (640 x 480/30fps)/QVGA (320 x 240/30fps) ¹
	Microphone/Speaker	Mono/Mono
	Focus	Multi Point AF/Center Weighted AF/Tracking Focus/Face Tracking Focus
FOCUS	Intelligent Auto Focus	Yes
	Macro Mode	-
EXPOSURE	Exposure Metering	Multi Pattern/Center Weighted/Spot
	Exposure Compensation	Plus/Minus 2.0EV, 1/3EV step
	ISO	Auto/100/200/400/800/1600/3200
	Backlight Correction HDR	-
	Dynamic Range Optimizer	Standard/Plus/Off
SHUTTER	White Balance	Auto (Intelligent)/Daylight/Cloudy/Fluorescent 1 (White Fluorescent Lighting)/Fluorescent 2 (Natural White Fluorescent Lighting)/Fluorescent 3 (Day White Fluorescent Lighting)/Incandescent/Flash
	Shutter Speed	iAuto (2"-1/2000)/Program Auto (2"-1/2000)
FLASH	Burst Mode	Approx 1.1 fps at 14.1MP (Maximum 100 shots)
	Flash Type	Built-in Flash
	Flash Effective Range	ISO Auto: Approx. 0.5m-3.0m (Approx. 1' 7 3/4"-9' 10 1/8")(W)/Approx. 0.5m-1.5m (1' 7 3/4"-4' 11 1/8") (T), ISO3200: up to Approx. 6.0m (Approx. 19' 8 1/4")(W)/Approx. 3.0m (9' 10 1/8")(T)
Flash Mode	Auto/Flash On/Slow Synchro/Flash Off	

FEATURES	Scene Modes	High Sensitivity/Soft snap/Soft Skin/Landscape/ Night Portrait/Night Scene/Gourmet/Beach/ Snow/Pet mode	
	Image Stabilization	SteadyShot® Image Stabilization	
	GPS	-	
	Panorama	Sweep Panorama/Sweep Panorama (360)	
	Multi-shot layering	-	
	Picture Effects	Toy camera / Pop Color / Partial Color / Soft High-key	
	Intelligent Auto	Yes	
	Intelligent Scene Recognition	Yes	
	Face Detection	Yes	
	Blink Detection	-	
INPUTS & OUTPUTS	Smile Shutter™ Mode	Yes	
	Self-timer	Off/10sec./2sec./portrait1/portrait2	
	In-Camera Editing	Trimming/Red Eye Correction/Unsharp Masking	
	TransferJet™ Technology	-	
	Tracking Focus	Off/Auto	
	USB	Multi (AV/USB), Hi-Speed USB (USB2.0)	
	HD Video	-	
	SD Video	4:3	
	POWER	Supplied Battery	LITHIUM ION NP-BN 3.6V
		Battery Capacity ⁸	110 minutes
DIMENSIONS	Dimensions (Approx.)	3 7/8 x 2 1/4 x 25/32" (97.7 x 56.2 x 19.8mm)	
	Weight (Approx.)	4.1 oz. (116g)	
SOFTWARE	Software for download	PlayMemories Home™ for PC Music Transfer for PC and Mac®	
SERVICE & WARRANTY	Limited Term Warranty	Limited 1 year parts and labor	
	Battery	LITHIUM ION NP-BN 3.6V (NP-BN)	
SUPPLIED ACCESSORIES	Battery Charger	Yes	
	A/V Cable	-	
	USB Cable	-	
	Multi-Connector Cable (A/V/USB)	Yes	
	Wrist Strap	Yes	
	Paint Pen	-	

1. Recording limited to 29 minute segments
8. Actual performance varies based on settings, environmental conditions, and usage.
Battery capacity decreases over time and use.



DSC-W650

Capture brilliant HD video and 360 degree pictures.

With a 16.1MP sensor and 3.0" LCD, it's easy to view dazzling images. Optical SteadyShot™ image stabilization reduces blur, while iAuto and Picture Effect modes allow you to get more creative with your photos.

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+ (13 x 19") size, or crop your images and still come away with high resolution shots.

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. Four effects include Toy Camera, Pop Color, Partial Color and Soft High-key.

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

Generous 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.

Intelligent Auto mode

Unlike traditional auto mode, Intelligent Auto (iAuto) mode thinks for you, recognizing scenes, lighting conditions and 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; all 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.



720p MP4 HD Movie mode

In 720p AVI movie mode the camera shoots 1280 x 720 high definition movies at 30 fps, a standard format when working with a PC.¹



Sweep Panorama™ mode (up to 360°)

Reach beyond the traditional wide angle lens and capture more breathtaking shots.



Optical SteadyShot™ with Active Mode

It's easier than ever to obtain sharp, blur-free movies even when zooming, shooting with one hand, or walking.



Picture Effects Demo

Scan QR code with your smartphone to view a Picture Effects video.



Black



Silver



Red



Specifications

GENERAL	Camera Type	Compact zoom digital camera
	Image Device	1/2.3" Super HAD CCD Sensor
	Effective Pixel Resolution	16.1MP
	Processor	BIONZ [®]
	Lens Type	Carl Zeiss [®] Vario-Tessar [®]
OPTICS & LENS	Lens Construction	6 elements in 5 groups (including 3 aspherical elements)
	Aperture Range	f 2.6-6.3
	Focal Length (33mm Equivalency)	Still 16.9: 28-140mm/Still 4.3: 25-125mm/Movie 16.9: 29-145mm (SteadyShot Standard), 30-150mm (SteadyShot Active)/Movie 4:3: 35-175mm (SteadyShot Standard), f=37-185mm (SteadyShot Active)
	Optical Zoom	5x
	Digital Zoom	20x
LCD & VIEWFINDER	LCD Type	3.0" Clear Photo [™] LCD (230K dots)
	Viewfinder	None
RECORDING	Media Slot	MS Duo and SD/SDHC/SDXC Compatible
	Still Images	16:9 mode: 12M (4,608 x 2,592)/2M (1,920 x 1,080); 4:3 mode: 16M (4,608 x 3,456)/10M (3,648 x 2,736)/5M (2,592 x 1,944)/VGA; Panorama mode: 360 [°] (11,520x1,080)/Wide (7,152 x 1,080/4,912 x 1,920)/Standard (4,912 x 1,080/3,424 x 1,920)
	Video	1280 x 720 (Fine)(1,280 x 720/30fps)/1280 x 720 (Standard)(1,280 x 720/30fps)/VGA (640 x 480/30fps) ¹
	Microphone/Speaker	Mono/Mono
	Focus	Multi Point AF/Center Weighted AF/Spot AF/Face Tracking Focus
FOCUS	Intelligent Auto Focus	Yes
	Macro Mode	-
EXPOSURE	Exposure Metering	Multi Pattern/Center Weighted/Spot
	Exposure Compensation	Plus/Minus 2.0EV, 1/3EV step
	ISO	Auto/80/100/200/400/800/1600/3200
	Backlight Correction HDR	-
	Dynamic Range Optimizer	Standard/Plus/Off
SHUTTER	Shutter Speed	iAuto (2 ^s -1/1600)/Program Auto (1 ^s -1/1600)
	Burst Mode	Approx 1 fps at 16.1MP (Maximum 100 shots)
FLASH	Flash Type	Built-in Flash
	Flash Effective Range	ISO Auto: Approx. 0.3m-3.7m (11 7/8"-12' 1 3/4") (W)/Approx. 1.0m-1.5 m (3' 3 3/8"-4' 11 1/8") (T), ISO3200: up to Approx. 7.3 m (23' 11 1/2") (W)/Approx. 3.1m (10' 2 1/8") (T)
	Flash Mode	Auto/Flash On/Slow Synchro/Flash Off
	White Balance	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

FEATURES	Scene Modes	High Sensitivity/Soft snap/Soft Skin/Landscape/Night Portrait/Night Scene/Gourmet/Beach/Snow/Fireworks/Pet mode	
	Image Stabilization	Optical SteadyShot [™] image stabilization with Active Mode	
	GPS	-	
	Panorama	Sweep Panorama/Sweep Panorama (360)	
	Multi-shot layering	-	
	Picture Effects	Toy camera / Pop Color / Partial Color / Soft High-key	
	Intelligent Auto	Yes	
	Intelligent Scene Recognition	Yes	
	Face Detection	Yes	
	Blink Detection	Yes	
INPUTS & OUTPUTS	Smile Shutter [™] Mode	Yes	
	Self-timer	Off/10sec./2sec./portrait1/portrait2	
	In-Camera Editing	Trimming/Red Eye Correction/Unsharp Masking	
	TransferJet [™] Technology	-	
	Tracking Focus	Off/Auto	
	USB	-	
	HD Video	Composite	
	SD Video	4:3	
	POWER	Supplied Battery	LITHIUM ION NP-BN 3.6V
		Battery Life (Approx.) ⁸	110 minutes
DIMENSIONS	Number of Images (Approx.) ⁸	220	
	Dimensions (Approx.)	3 3/4 x 2 1/4 x 3/4" (94 x 56 x 19.1mm)	
SOFTWARE	Weight (Approx.)	4.4 oz. (124g)	
	Software for download	PlayMemories Home [™] for PC Music Transfer for PC and Mac [®]	
SERVICE & WARRANTY	Limited Term Warranty	Limited 1 year parts and labor	
	Battery	LITHIUM ION NP-BN 3.6V (NP-BN)	
SUPPLIED ACCESSORIES	Battery Charger	Yes	
	A/V Cable	-	
	USB Cable	-	
	Multi-Connector Cable (A/V/USB)	Yes	
	Wrist Strap	Yes	
Paint Pen	-		

¹ Recording limited to 29 minute segments
⁸ Actual performance varies based on settings, environmental conditions, and usage.
 Battery capacity decreases over time and use.



DSC-W690

Shoot beautiful 16.1MP photos and HD 720p video.

Get close to your subject with the stabilized 10x optical zoom lens, use its colorful 3.0" LCD to compose and share images, and select the iSCN mode to automatically set the best exposure for tricky scenes.

720p MP4 HD Movie mode

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.¹ Users will create high quality movies with full use of optical zoom in files small enough to transfer to compatible PC or Mac[®] computer. 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[™].

3.0" 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.

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+ (13 x 19") size, or crop your images and still come away with high resolution shots.

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.

Intelligent Auto mode

Unlike traditional auto mode, Intelligent Auto (iAuto) mode thinks for you, recognizing scenes, lighting conditions and 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.



Compact camera with 10x Optical Zoom

Brings distant subjects closer for great outdoors, sports and travel photos.



Sweep Panorama[™] mode (up to 360°)

Reach beyond the traditional wide angle lens and capture more breathtaking shots.



Picture Effects

Add a new level of expression to photos by heightening mood and emphasizing certain attributes with Toy Camera, Pop Color, Partial Color and Soft High-key.



Sweep Panorama[™] Demo

Scan QR code with your smartphone to view Sweep Panorama[™] video.

Specifications



Black



Silver



Red



Blue

GENERAL	Camera Type	Compact zoom digital camera
	Image Device	1/2.3" Super HAD CCD Sensor
	Effective Pixel Resolution	16.1MP
	Processor	BIONZ®
	Lens Type	Sony G
OPTICS & LENS	Lens Construction	9 elements in 7 groups (including 4 aspherical elements)
	Aperture Range	f 3.3-5.9
	Focal Length (33mm Equivalency)	Still 16:9: 27.5-275mm/Still 4:3: 25-250mm/ Movie 16:9: 27.5-275mm (SteadyShot Standard), 27.5-385mm (SteadyShot Active)/Movie 4:3: 33.5-335mm (SteadyShot Standard), 33.5-469mm (SteadyShot Active)
	Optical Zoom	10x
	Digital Zoom	40x Precision Digital Zoom
LCD & VIEWFINDER	LCD Type	2.7" LCD Clear Photo LCD (230K dots)
	Viewfinder	None
RECORDING	Media Slot	MS Duo and SD/SDHC/SDXC Compatible 16:9 mode: 12M (4,608 x 2,592)/2M (1,920 x 1,080); 4:3 mode: 16M (4,608 x 3,456)/10M (3,648 x 2,736)/5M (2,592 x 1,944)/VGA; Panorama mode: 7,152 x 1,080 (235deg)/4,912 x 1,080 (161deg)/4,912 x 1,920 (161deg)/3,424 x 1,920 (112deg)
	Still Images	1280 x 720 (Fine)(1,280 x 720/30fps) 1280 x 720 (Standard)(1,280 x 720/30fps)/ VGA (640 x 480/30fps)
	Video	Mono/Mono
	Microphone/Speaker	Multi Point AF/Center Weighted AF/Spot AF/ Tracking Focus/Face Tracking Focus
	Focus	Yes
FOCUS	Intelligent Auto Focus	Yes
	Macro Mode	-
	Exposure Metering	Multi Pattern/Center Weighted/Spot
	Exposure Compensation	Plus/Minus 2.0EV, 1/3EV step
	ISO	Auto/80/100/200/400/800/1600/3200
EXPOSURE	Backlight Correction HDR	-
	Dynamic Range Optimizer	Standard/Plus/Off
	White Balance	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
	Shutter Speed	Auto (2"-1/1600)/Program Auto (1"-1/1600)
	Burst Mode	Approx 1 fps at 16.1MP (Maximum 100 shots)
SHUTTER	Flash Type	Built-in Flash
	Flash Effective Range	ISO Auto: Approx. 0.2-Approx. 3.7m (Approx. 0.66- Approx. 12.1')(W)/Approx. 1.0-Approx. 1.5m (Approx. 3.28'- Approx. 4.92')(T), ISO3200: Up to Approx. 7.3m (Approx. 24.0')(W)/Up to Approx. 3.1m (Approx. 10.2') (T)
	Flash Mode	Auto/Flash On/Slow Synchro/Flash Off
	Shutter Speed	Auto (2"-1/1600)/Program Auto (1"-1/1600)
	Burst Mode	Approx 1 fps at 16.1MP (Maximum 100 shots)
FLASH	Flash Effective Range	ISO Auto: Approx. 0.2-Approx. 3.7m (Approx. 0.66- Approx. 12.1')(W)/Approx. 1.0-Approx. 1.5m (Approx. 3.28'- Approx. 4.92')(T), ISO3200: Up to Approx. 7.3m (Approx. 24.0')(W)/Up to Approx. 3.1m (Approx. 10.2') (T)
	Flash Mode	Auto/Flash On/Slow Synchro/Flash Off

FEATURES	Scene Modes	High Sensitivity/Soft snap/Soft Skin/Landscape/ Night Portrait/Night Scene/Gourmet/Beach/ Snow/Fireworks/Pet mode
	Image Stabilization	Optical SteadyShot™ image stabilization with Active Mode
	GPS	-
	Panorama	Sweep Panorama/Sweep Panorama (360)
	Multi-shot layering	-
	Picture Effects	Toy Camera/Pop Color/Partial Color/ Soft High-key
	Intelligent Auto	Yes
	Intelligent Scene Recognition	Yes
	Face Detection	8 Faces (Auto/Off/Child Priority/Adult Priority/ Key Selected Face Memory)
	Blink Detection	Yes
INPUTS & OUTPUTS	Smile Shutter™ Mode	Yes
	Self-timer	Off/10sec./2sec./portrait1/portrait2
	In-Camera Editing	Trimming/Red Eye Correction/Unsharp Masking
	TransferJet™ Technology	-
	Tracking Focus	Off/Auto
	USB	Multi (AV/USB), Hi-Speed USB (USB2.0)
	HD Video	Composite
	SD Video	4:3
	Supplied Battery	LITHIUM ION NP-BN 3.6V
	Battery Life (Approx.) ⁸	110 minutes
POWER	Number of Images (Approx.) ⁸	220
	Dimensions (Approx.)	3 3/4 x 2 1/4 x 7/8" (94.3 x 56.1 x 21.7mm)
DIMENSIONS	Weight (Approx.)	5.0 oz (142g)
	Software for download	PlayMemories Home™ for PC Music Transfer for PC and Mac®
SOFTWARE	Software for download	PlayMemories Home™ for PC Music Transfer for PC and Mac®
SERVICE & WARRANTY	Limited Term Warranty	Limited 1 year parts and labor
	Battery	LITHIUM ION NP-BN 3.6V
SUPPLIED ACCESSORIES	Battery Charger	Yes
	A/V Cable	-
	USB Cable	-
	Multi-Connector Cable (A/V/USB)	Yes
	Wrist Strap	Yes
	Paint Pen	-

1. Records in 29 minute segments
8. Actual performance varies based on settings, environmental conditions, and usage.
Battery capacity decreases over time and use.



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.

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. 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 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. The DSC-WX50 has nine different effects: HDR Painting, Richtone Monochrome, Miniature, Toy Camera, Pop Color, Partial Color, Soft High-key, Watercolor and Illustration.



16.2MP Exmor® R CMOS sensor

Delivers extremely fast speed, high resolution and stunning low light sensitivity with improved image clarity.



5x Optical Zoom plus 10x Clear Image Zoom

The processor compares patterns found in adjacent pixels and digitally creates new pixels to match selected patterns, resulting in more realistic, higher-quality images.



AVCHD™ 1080/60i

Record crystal clear movies at the highest resolution available with capabilities for 60i in 1080 AVCHD™ video.¹



Low-light Demo

Scan QR code with your smartphone to view Low-light video.

Specifications



Black



Silver



GENERAL	Camera Type	Compact zoom
	Image Device	1/2.3" Exmor® R CMOS Sensor
	Effective Pixel Resolution	16.2MP
	Processor	BIONZ®
OPTICS & LENS	Lens Type	Carl Zeiss® Vario-Tessar®
	Lens Construction	6 elements in 5 groups
	Aperture Range	f 2.6-6.3
	Focal Length (33mm Equivalency)	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)
	Optical Zoom	5x
	Digital Zoom	10x
	LCD & VIEWFINDER	LCD Type
Viewfinder		None
RECORDING	Media Slot	MS Duo and SD/SDHC/SDXC Compatible
	Still Images	16:9 mode: 12M (4,608 x 2,592)/2M (1,920 x 1,080); 4:3 mode: 16M (4,608 x 3,456)/10M (3,648 x 2,736)/5M (2,592 x 1,944)/VGA: Panorama mode: 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)
	Video	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) ¹
	Microphone/Speaker	Stereo/Mono
	Focus	Multi Point AF/Center Weighted AF/Spot AF/Face Tracking Focus
FOCUS	Intelligent Auto Focus	Yes
	Macro Mode	Yes
EXPOSURE	Exposure Metering	Multi Pattern/Center Weighted/Spot
	Exposure Compensation	Plus/Minus 2.0EV, 1/3EV step
	ISO	Auto/100/200/400/800/1600/3200/6400/12800
	Backlight Correction HDR	Yes
	Dynamic Range Optimizer	Standard
SHUTTER	Shutter Speed	iAuto (4"-1/1600)/Program Auto (1"-1/1600)
	Burst Mode	Approx. 10 fps at 16.2MP (Maximum 10 shots)
FLASH	Flash Type	Built-in Flash
	Flash Effective Range	ISO Auto: Approx. 0.2m-5.3m (7 7/8"-17' 4 3/4") (W)/Approx. 1.0m-2.2 m (3' 3 3/8"-7' 2 5/8") (T), ISO3200: up to Approx. 7.5 m (24' 7 3/8") (W)/Approx. 3.2m (10' 6") (T)
	Flash Mode	Auto/Flash On/Slow Synchro/Flash Off

FEATURES	Scene Modes	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 (when used with underwater housing) Optical SteadyShot™ image stabilization with Active Mode
	Image Stabilization	Optical SteadyShot™ image stabilization with Active Mode
	GPS	-
	Panorama	Intelligent Sweep Panorama/Underwater Sweep Panorama (when used with underwater housing)/3D Sweep Panorama
INPUTS & OUTPUTS	Picture Effects	HDR Painting / Richtone Monochrome / Miniature / Toy camera / Pop Color / Partial Color / Soft High-key / Watercolor / Illustration
	Photo Creativity	Yes
	Multi-shot layering	Yes
	Intelligent Auto	Yes
	Intelligent Scene Recognition	Yes
	Face Detection	8 Faces (Auto/Off/Child Priority/Adult Priority/Key Selected Face Memory)
	Blink Detection	Yes
	Smile Shutter™ Mode	Yes
	Self-timer	Off/10sec./2sec./portrait1/portrait2
	In-Camera Editing	Trimming/Red Eye Correction/Unsharp Masking
	TransferJet™ Technology ⁷	Send: Yes, Receive: Yes
	Tracking Focus	Off/Auto
	USB	Micro USB, Hi-Speed USB (USB2.0)
	HD Video	Mini HDMI®
SD Video	-	
POWER	Supplied Battery	LITHIUM ION NP-BN 3.6V
	Battery Life (Approx.) ⁸	120 minutes
DIMENSIONS	Number of Images (Approx.) ⁸	240
	Dimensions (Approx.)	3 3/4 x 2 1/8 x 25/32" (92.2 x 52.0 x 19.1mm)
SOFTWARE	Weight (Approx.)	4.1 oz. (117g)
	Software for download	PlayMemories Home™ for PC Music Transfer for PC and Mac®
SERVICE & WARRANTY	Limited Term Warranty	Limited 1 year parts and labor
	Battery	LITHIUM ION NP-BN 3.6V (NP-BN)
SUPPLIED ACCESSORIES	Battery Charger	AC Adaptor AC-UB10
	A/V Cable	-
	USB Cable	Micro USB Cable
	Multi-Connector Cable (A/V/USB)	-
	Wrist Strap	Yes
Paint Pen	-	

1. Records in 29 minute segments
 3. Requires 3D HDTV, HDMI cable (at least 10.2 Gbps) and active 3D glasses sold separately.
 7. TransferJet™ enabled media (sold separately) and TransferJet technology required in both devices.
 8. Actual performance varies based on settings, environmental conditions, and usage.
 Battery capacity decreases over time and use.



DSC-WX70

Sony® DSC-WX70—power to perform in a compact camera.

Its 16.2MP CMOS sensor and 5x optical/10x Clear Image zoom lens with improved active optical stabilization captures detailed photos and AVCHD™ 1080/60i videos. Use its 3.0" Xtra Fine LCD™ touch-screen to glide through menus and preview live Picture Effects.

AVCHD™ 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 HDTV.² With dual record of stills and movies, you can shoot both at the same time.

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.

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.

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.

3.0" LCD touch-screen

The 3.0" Xtra Fine LCD™ display (921K dots) with touch-screen makes it easy to glide through

menus and preview live Picture Effects. The large display delivers brilliant-quality still images and movies while enabling easy focusing operation.

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.

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. The DSC-WX70 has nine different effects: HDR Painting, Richtone Monochrome, Miniature, Toy Camera, Pop Color, Partial Color, Soft High-key, Watercolor and Illustration.



16.2MP Exmor® R CMOS sensor

Delivers extremely fast speed, high resolution and stunning low-light sensitivity with improved image clarity.



5x Optical Zoom plus 10x Clear Image Zoom

The processor compares patterns found in adjacent pixels and digitally creates new pixels to match selected patterns, resulting in more realistic, higher-quality images.



Optical SteadyShot™ with Active Mode

It's easier than ever to obtain sharp, blur-free movies even when zooming, shooting with one hand, or walking.



Background Defocus Demo

Scan QR code with your smartphone to view Background Defocus video.

Specifications



Black



Silver



Pink



Violet



White

GENERAL	Camera Type	Compact zoom
	Image Device	1/2.3" Exmor® R CMOS Sensor
	Effective Pixel Resolution	16.2MP
	Processor	BIONZ®
	Lens Type	Carl Zeiss® Vario-Tessar®
	Lens Construction	6 elements in 5 groups
	Aperture Range	-
		Still 16:9: 28-140mm/Still 4:3: 25-125mm/Movie 16:9: 29-145mm (Optical SteadyShot Standard), 35-150mm (Optical SteadyShot Active)/Movie 4:3: 35-175mm (Optical SteadyShot Standard), 37-185mm (Optical SteadyShot Active)
OPTICS & LENS	Focal Length (33mm Equivalency)	
	Optical Zoom	5x
	Digital Zoom	10x
LCD & VIEWFINDER	LCD Type	3.0" Xtra Fine LCD™ Touch-screen display (921K dots)
	Viewfinder	None
	Media Slot	MS Duo and SD/SDHC/SDXC Compatible 16:9 mode: 12M (4,608 x 2,592), 3M (2,048 x 1,536); 4:3 mode: 16M (4,608 x 3,456)/10M (3,648 x 2,736)/5M (2,592 x 1,944)/VGA; Panorama mode: 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)
	Still Images	
	Video	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) ¹
	Microphone/Speaker	Stereo/Mono
FOCUS	Focus	Multi Point AF/Center Weighted AF/Spot AF/Flexible Spot AF/Flexible Spot AF (Tracking Focus)/Flexible Spot AF (Face Tracking Focus)
	Intelligent Auto Focus	Yes
	Macro Mode	Yes
	Exposure Metering	Multi Pattern/Center Weighted/Spot
	Exposure Compensation	Plus/Minus 2.0EV, 1/3EV step
	ISO	Auto/100/200/400/800/1600/3200/6400/12800
	Backlight Correction HDR	Yes
EXPOSURE	Dynamic Range Optimizer	Standard
		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
SHUTTER	Shutter Speed	iAuto (4"-1/1600)/Program Auto (1"-1/1600)
	Burst Mode	Approx 10 fps at 16.2MP (Maximum 10 shots)
	Flash Type	Built-in Flash
		ISO Auto: Approx. 0.2m-5.3m (7 7/8"-17' 4 3/4") (W)/Approx. 1.0m-2.2 m (3' 3 3/8"-7' 2 5/8") (T), ISO3200: up-Approx. 7.5 m (24' 7 3/8") (W)/Approx. 3.2 m (10' 6") (T)
	Flash Mode	Auto/Flash On/Slow Synchro/Flash Off

	Scene Modes	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 Optical SteadyShot™ image stabilization with Active Mode
	Image Stabilization	Yes
	GPS	-
	Panorama	Intelligent Sweep Panorama/3D Sweep Panorama
	Multi-shot layering	Yes
		HDR Painting / Richtone Monochrome / Miniature / Toy camera / Pop Color / Partial Color / Soft High-key / Watercolor / Illustration
	Picture Effects	
FEATURES	Photo Creativity	No
	Intelligent Auto	Yes
	Intelligent Scene Recognition	Yes
	Face Detection	Yes
	Blink Detection	Yes
	Smile Shutter™ Mode	Yes
	Self-timer	Off/10sec./2sec./portrait1/portrait2
	In-Camera Editing	Trimming/Red-Eye Correction/Unsharp Masking
	TransferJet™ Technology ⁷	Send: Yes, Receive: Yes
	Tracking Focus	Off/Auto
INPUTS & OUTPUTS	USB	Micro USB, Hi-Speed USB (USB2.0)
	HD Video	Mini HDMI®
POWER	Supplied Battery	LITHIUM ION NP-BN 3.6V
	Battery Life (Approx.) ⁸	120 minutes
	Number of Images (Approx.) ⁸	240
DIMENSIONS	Dimensions (Approx.)	3 3/4 x 2 1/8 x 25/32" (92.2 x 52.0 x 19.1mm)
	Weight (Approx.)	4.0 oz. (114g)
SOFTWARE	Software for download	PlayMemories Home™ for PC Music Transfer for PC and Mac®
SERVICE & WARRANTY	Limited Term Warranty	Limited 1 year parts and labor
SUPPLIED ACCESSORIES	Battery	LITHIUM ION NP-BN 3.6V (NP-BN)
	Battery Charger	AC Adaptor AC-UB10
	A/V Cable	-
	USB Cable	Micro USB Cable
	Multi-Connector Cable (A/V/USB)	-
	Wrist Strap	Yes
	Paint Pen	Yes
	Carrying Case	LCS-CSQ
	4GB SD Memory Card ⁵	SF4N4/TQ

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. 1GB equals 1 billion bytes, a portion of which is used for data management functions.
5. TransferJet™ enabled media (sold separately) and TransferJet technology required in both devices.
6. Actual performance varies based on settings, environmental conditions, and usage.
7. Battery capacity decreases over time and use.



DSC-WX150

Focus faster, day or night, with the slim Sony® DSC-WX150.

Its sensitive 18.2MP sensor and wide-angle, ultra-stabilized 10x optical/20x Clear Image zoom capture stunning images as well as AVCHD™ 1080/60i videos. High Speed AF dramatically improves speed and accuracy.

10x Optical Zoom plus 20x 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 digitally creates new pixels to match selected patterns, resulting in more realistic, higher-quality images. Clear Image zoom doubles optical zoom for closer photos.

AVCHD™ 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 HDTV.² With dual record of stills and movies, you can shoot both at the same time.

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 Photos will take on a new dimension of creative capabilities for viewing the world in a whole new way.

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. The DSC-WX150 has nine different effects: HDR Painting, Richtone Monochrome, Miniature, Toy Camera, Pop Color, Partial Color, Soft High-key, Watercolor and Illustration.

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.



18.2MP Exmor® R CMOS sensor

Enables advanced processing that reduces noise levels, resulting in stunning low-light images with incredible details.



High-speed AF

To improve focusing speed and sensitivity, the Exmor® R sensor uses its rapid throughput to deliver high-quality image signals to the camera's BIONZ® processor.



Capture the decisive moment with up to 10fps

Capture full 18.2 megapixel resolution images at up to 10fps, helping to ensure that the decisive moment is captured.



Low-light Demo

Scan QR code with your smartphone to view Low-light video.

Specifications



Black



Silver



Red



Blue

GENERAL	Camera Type	Compact zoom
	Image Device	1/2.3" Exmor® R CMOS Sensor
	Effective Pixel Resolution	18.2MP
	Processor	BIONZ®
	Lens Type	Sony G
OPTICS & LENS	Lens Construction	9 elements in 7 groups
	Aperture Range	f 3.3-5.9
	Focal Length (33mm Equivalency)	Still 16:9: 27.5-275mm/Still 4:3: 25-250mm/ Movie 16:27.5-275mm (SteadyShot Standard), 27.5-385mm (SteadyShot Active)/Movie 4:3: 33.5-335mm (SteadyShot Standard), 33.5-469mm (SteadyShot Active)
	Optical Zoom	10x
	Clear Image Zoom	20x
LCD & VIEWFINDER	LCD Type	3.0" Clear Photo™ LCD (460K dots)
	Viewfinder	None
RECORDING	Media Slot	MS Duo and SD/SDHC/SDXC Compatible
	Still Images	16:9 mode: 13M (4,896 x 3,672)/2M (1,920 x 1,080); 4:3 mode: 18M (4,896 x 3,672)/10M (3,648 x 2,736)/5M (2,592 x 1,944)/VGA: Panorama mode: 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)
	Video	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) ¹
	Microphone/Speaker	Stereo/Mono
	Focus	Multi Point AF/Center Weighted AF/Spot AF/ Tracking Focus/Face Tracking Focus
FOCUS	Intelligent Auto Focus	Yes
	Macro Mode	Yes
EXPOSURE	Exposure Metering	Multi Pattern/Center Weighted/Spot
	Exposure Compensation	Plus/Minus 2.0EV, 1/3EV step
	ISO	Auto/100/200/400/800/1600/3200/6400/12800
	Backlight Correction HDR	Yes
	Dynamic Range Optimizer	Standard
SHUTTER	Shutter Speed	iAuto (4"-1/1600)/Program Auto (1"-1/1600)
	Burst Mode	Approx 10 fps at 18.2MP (Maximum 10 shots)
FLASH	Flash Type	Built-in Flash
	Flash Effective Range	ISO Auto: Approx. 0.2m-3.7m (7 7/8"-12' 1 3/4") (W)/Approx. 1.5m-2.2 m (4' 11 1/8"-7' 2 5/8")(T), ISO3200: up to Approx. 5.9m (19' 4 3/8")(W)/ Approx. 3.4m (11' 1 7/8")(T)
	Flash Mode	Auto/Flash On/Slow Synchro/Flash Off
	White Balance	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
	Exposure Metering	Multi Pattern/Center Weighted/Spot

FEATURES	Scene Modes	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 (when used with underwater housing) Optical SteadyShot™ image stabilization with Active Mode
	Image Stabilization	Optical SteadyShot™ image stabilization with Active Mode
	GPS	-
	Panorama	Intelligent Sweep Panorama/3D Sweep Panorama/ Underwater Sweep Panorama (when used with underwater housing)
	Picture Effects	HDR Painting / Richtone Monochrome / Miniature / Toy camera / Pop Color / Partial Color / Soft High-key / Watercolor / Illustration
INPUTS & OUTPUTS	Photo Creativity	No
	Multi-shot layering	Yes
	Intelligent Auto	Yes
	Intelligent Scene Recognition	Yes
	Face Detection	8 Faces (Auto/Off/Child Priority/Adult Priority/ Key Selected Face Memory)
	Blink Detection	Yes
	Smile Shutter™ Mode	Yes
	Self-timer	Off/10sec./2sec./portrait1/portrait2
	In-Camera Editing	Trimming/Red Eye Correction
	TransferJet™ Technology ⁷	Send: Yes, Receive: Yes
POWER	Tracking Focus	Off/Auto
	USB	Micro USB, Hi-Speed USB (USB2.0)
	HD Video	Mini HDMI®
DIMENSIONS	SD Video	-
	Supplied Battery	LITHIUM ION NP-BN 3.6V
	Battery Life (Approx.) ⁸	120 minutes
SOFTWARE	Number of Images (Approx.) ⁸	240
	Dimensions (Approx.)	3 3/4 x 2 1/4 x 7/8" (94.7 x 56.4 x 21.6mm)
SERVICE & WARRANTY	Weight (Approx.)	4.7 oz. (133g)
	Software for download	PlayMemories Home™ for PC Music Transfer for PC and Mac®
SUPPLIED ACCESSORIES	Battery	LITHIUM ION NP-BN 3.6V (NP-BN)
	Battery Charger	AC Adaptor ACUB10
	A/V Cable	-
	USB Cable	Micro USB Cable
	Multi-Connector Cable (A/V/USB)	-
FOOTNOTES	Wrist Strap	Yes
	Paint Pen	-
	CD ROM	-
	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.		
7. TransferJet™ enabled media (sold separately) and TransferJet technology required in both devices.		
8. Actual performance varies based on settings, environmental conditions, and usage. Battery capacity decreases over time and use.		



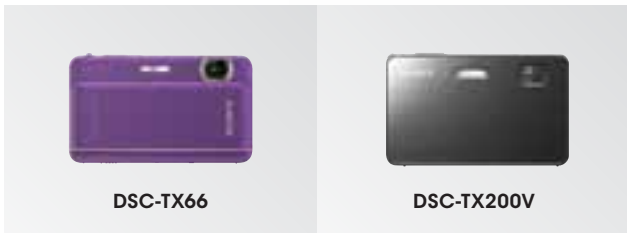
T-Series

As always, thin is in.

To anyone who says brains and beauty don't go together, Sony offers a stunning refutation: Cyber-shot® T-Series cameras for 2012. Here you'll find sleek silhouettes, chic colors and elegant looks. Yet under the skin await technologies that redefine digital photography. Every model has an Exmor R® sensor, Full HD and burst mode up to 10 fps. Every model has a slick touch-screen interface and two of those screens are OLED.



DSC-TX20



DSC-TX66

DSC-TX200V



DSC-TX20

Overcome the elements with the rugged 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 LCD™ touch screen before shooting.

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. 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.

4x Optical Zoom plus 8x 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 digitally 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 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. The DSC-TX20 has nine different effects: HDR Painting, Richtone Monochrome, Miniature, Toy Camera, Pop Color, Partial Color and Soft High-key.



16.2MP Exmor® R CMOS sensor

Delivers extremely fast speed, high resolution and stunning low-light sensitivity with improved image clarity.



Rugged and Stylish

Waterproof to a depth of 16 feet, shockproof from falls up to approximately 5 feet and dustproof thanks to its airtight construction.¹⁰



AVCHD™ 1080/60i

Record crystal clear movies at the highest resolution available with capabilities for 60i in 1080 AVCHD™ video.¹



Low-light Demo

Scan QR code with your smartphone to view Low-light video.

Specifications



Black

Pink

Blue

Green

Orange

GENERAL	Camera Type	Touch-screen digital camera	
	Image Device	1/2.3" Exmor® R CMOS Sensor	
	Effective Pixel Resolution	16.2MP	
	Processor	BIONZ®	
OPTICS & LENS	Lens Type	Carl Zeiss® Vario-Tessar®	
	Lens Construction	12 elements in 10 groups (including 6 aspherical elements, 1 prism)	
	Aperture Range	f 3.5-4.6	
	Focal Length (33mm Equivalency)	Still	16:9: 27-108mm/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), 35-140mm (Optical SteadyShot Active)
		Optical Zoom	4x
	Clear Image Zoom	8x	
LCD & VIEWFINDER	LCD Type	3.0" Xtra Fine LCD™ display (921K dots)	
	Viewfinder	-	
RECORDING	Media Slot	MS Duo and SD/SDHC/SDXC Compatible	
	Still Images	16:9 mode: 12M (4,608 x 2,592)/2M (1,920 x 1,080); 4:3 mode: 16M (4,608 x 3,456)/10M (3,648 x 2,736)/5M (2,592 x 1,944)/VGA	
		Video	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) ¹
	Microphone/Speaker	Stereo/Mono	
FOCUS	Focus	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)	
	Intelligent Auto Focus	Yes	
	Macro Mode	Yes	
EXPOSURE	Exposure Metering	Multi Pattern/Center Weighted/Spot	
	Exposure Compensation	Plus/Minus 2.0EV, 1/3EV step	
	ISO	Auto/125/200/400/800/1600/3200	
	Backlight Correction HDR	Yes	
	Dynamic Range Optimizer	Standard	
	White Balance	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 Sel/Underwater	
SHUTTER	Shutter Speed	iAuto (4"-1/1600)/Program Auto (1"-1/1600)	
	Burst Mode	Approx 10 fps at 16.2MP (Maximum 10 shots)	
	Flash Type	Built-in Flash	
FLASH	Flash Effective Range	ISO Auto: Approx. 0.08m-3.7m (3 1/4"-12' 1 3/4") (W)/Approx. 0.5m-2.7m (1' 7 3/4"-8' 10 3/8") (T), ISO3200: up to Approx. 5.2m (17' 3/4") (W)/Approx. 3.8m (12' 5 5/8") (T)	
	Flash Mode	Auto/Flash On/Slow Synchro/Flash Off	

FEATURES	Scene Modes	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 Optical SteadyShot™ image stabilization with Active Mode
	Image Stabilization	-
	GPS	-
	Panorama	Intelligent Sweep Panorama/3D Sweep Panorama / Underwater Sweep Panorama
INPUTS & OUTPUTS	Multi-shot layering	-
	Picture Effects	HDR Painting / RichTone Monochrome / Miniature / Toy camera / Pop Color / Partial Color / Soft High-key
	Waterproof/Dustproof/Shockproof ⁸	Yes / Yes / Yes
	Photo Creativity	Yes
POWER	Intelligent Auto	Background Defocus
	Intelligent Scene Recognition	Yes
	Face Detection	8 Faces (Auto/Off/Child Priority/Adult Priority/ Selected Face Memory)
	Blink Detection	Yes
DIMENSIONS	Smile Shutter™ Mode	Yes
	Self-timer	Off/10sec./2sec./portrait1/portrait2
	In-Camera Editing	Trimming/Red-Eye Correction/Unsharp Masking
	TransferJet™ Technology ⁷	Send: Yes, Receive: Yes
SOFTWARE	Tracking Focus	Off/Auto
	USB	Multi Type3b (AV/USB/DC IN), Hi-Speed SB (USB2.0)
	HD Video	Micro HDMI ⁹
	SD Video	-
SERVICE & WARRANTY	Supplied Battery	LITHIUM ION NP-BN 3.6V
	Battery Life (Approx.) ⁸	125 minutes
SUPPLIED ACCESSORIES	Number of Images (Approx.) ⁸	250
	Dimensions (Approx.)	3 7/8 x 2 1/4 x 23/32" (95.9 x 56.2 x 17.9mm)
	Weight (Approx.)	4.7 oz (133g)
	Software for download	PlayMemories Home™ for PC Music Transfer for PC and Mac ⁹
FOOTNOTES	Limited Term Warranty	Limited 1 year parts and labor
	Battery	LITHIUM ION NP-BN 3.6V (NP-BN)
	Battery Charger	AC Adaptor AC-UB10
	A/V Cable	-
FOOTNOTES	USB Cable	-
	Multi-Connector Cable (A/V/USB)	Yes
	Wrist Strap	Yes
	Paint Pen	Yes
FOOTNOTES	CD ROM	-
	1. Records in 29 minute segments.	
	3. Requires 3D HDTV, HDMI cable (at least 10.2 Gbps) and active 3D glasses sold separately.	
	7. TransferJet™ enabled media (sold separately) and TransferJet technology required in both devices.	
8. Actual performance varies based on settings, environmental conditions, and usage. Battery capacity decreases over time and use.		
10. 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.		



DSC-TX66

Super-thin powerhouse and colorful 3.3" OLED touch-screen.

Its 18.2MP sensor and 5x optical/10x Clear Image zoom lens capture sharp pictures and AVCHD™ 1080/60i videos. High Speed AF improves focusing speed and accuracy, while Picture Effects and 3D Sweep Panorama™ modes expand creativity.

AVCHD™ 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 HDTV.² With dual record of stills and movies, you can shoot both at the same time.

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

5x Optical Zoom plus 10x 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 digitally creates new pixels to match selected patterns, resulting in more realistic, higher-quality images. Clear Image zoom doubles optical zoom for closer photos.

Capture the decisive moment with up to 10fps

Capture full 18.2 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.

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.

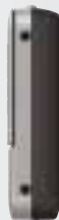
Picture Effect for more expressive photos

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. The DSC-TX66 has nine different effects: HDR Painting, Richtone Monochrome, Miniature, Toy Camera, Pop Color, Partial Color, Soft High-key, Watercolor and Illustration.



18.2MP Exmor® R CMOS sensor

Enables advanced processing that reduces noise levels, resulting in stunning low-light images with incredible details.



Slim Design

Why use a smartphone? 18.2MP, AVCHD™ video and up to 10fps are just a few features on the super slim Cyber-shot® camera.



High-speed AF

To improve focusing speed and sensitivity, the Exmor® R sensor uses its rapid throughput to deliver high-quality image signals to the camera's BIONZ® processor.



Background Defocus Demo

Scan QR code with your smartphone to view Background Defocus video.

Specifications



Silver



Pink



Violet



White

GENERAL	Camera Type	Touch-screen
	Image Device	1/2.3" Exmor® R CMOS Sensor
	Effective Pixel Resolution	18.2MP
	Processor	BIONZ®
OPTICS & LENS	Lens Type	Carl Zeiss® Vario-Tessar®
	Lens Construction	12 elements in 10 groups (including 6 aspherical elements, 1 prism)
	Aperture Range	f 3.5-4.8
	Focal Length (33mm Equivalency)	Still 16:9: 28-140mm/Still 4:3: 25-130mm/Movie 16:9: 28-140mm (SteadyShot Standard), 30-150mm (SteadyShot Active)/Movie 4:3: 35-175mm (SteadyShot Standard), 37-185mm (SteadyShot Active)
	Optical Zoom	5x
	Clear Image Zoom	10x
LCD & VIEWFINDER	LCD Type	3.3" Xtra Fine™ OLED display (1,229K dots)
	Viewfinder	None
RECORDING	Media Slot	MS Micro, Memory Stick Micro (Mark 2) and Micro SD/Micro SDHC Compatible
	Still Images	16:9 mode: 13M (4896 x 3,672)/2M (1,920 x 1,080); 4:3 mode: 16M (4,608 x 3,456)/10M (3,648 x 2,736)/5M (2,592 x 1,944)/VGA; Panorama mode: 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)
	Video	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)
	Microphone/Speaker	Stereo/Mono
	Focus	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)
FOCUS	Intelligent Auto Focus	Yes
	Macro Mode	Yes
EXPOSURE	Exposure Metering	Multi Pattern/Center Weighted/Spot
	Exposure Compensation	Plus/Minus 2.0EV, 1/3EV step
	ISO	Auto/80/100/200/400/800/1600/3200/6400/12800
	Backlight Correction HDR	Yes
	Dynamic Range Optimizer	Standard
	White Balance	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
SHUTTER	Shutter Speed	iAuto(2"-1/1600)/Program Auto(1"-1/1600)
	Burst Mode	Approx 10 fps at 18.2MP (Maximum 10 shots)
	Flash Type	Built-in Flash
FLASH	Flash Effective Range	ISO Auto: Approx. 0.08m-3.7m (3 1/4"-12' 1 3/4") (W)/Approx. 0.6m-2.6m (1' 11 5/8"-8' 6 3/8") (T), ISO3200: up to Approx. 5.2m (17' 3/4") (W)/Approx. 3.7m (12' 1 3/4") (T)
	Flash Mode	Auto/Flash On/Slow Synchro/Flash Off

FEATURES	Scene Modes	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
	Image Stabilization	Optical SteadyShot™ image stabilization with Active Mode
	GPS	-
	Panorama	Intelligent Sweep Panorama HR/3D Sweep Panorama
INPUTS & OUTPUTS	Multi-shot layering	Yes
	Picture Effects	HDR Painting / RichTone Monochrome / Miniature / Toy camera / Pop Color / Partial Color / Soft High-key / Watercolor / Illustration
	Photo Creativity	Yes
	Intelligent Auto	Yes
	Intelligent Scene Recognition	Yes
	Face Detection	8 Faces (Auto/Off/Child Priority/Adult Priority/Key Selected Face Memory/Background Defocus)
	Blink Detection	Yes
	Smile Shutter™ Mode	Yes
	Self-timer	Off/10sec./2sec./portrait1/portrait2
	In-Camera Editing	Trimming/Red Eye Correction/Unsharp Masking
POWER	TransferJet™ Technology	-
	Tracking Focus	Off/Auto
POWER	USB	Multi Type3b (AV/USB/DC IN), Hi-Speed USB (USB2.0)
	HD Video	Micro HDMI®
	SD Video	-
DIMENSIONS	Supplied Battery	LITHIUM ION NP-BN 3.6V
	Battery Life (Approx.) ¹	125 minutes
	Number of Images (Approx.) ²	250
SOFTWARE	Dimensions (Approx.)	3 3/4 x 2 1/4 x 17/32" (92.9 x 54.4 x 13.4mm)
	Weight (Approx.)	3.8 oz. (109g)
SERVICE & WARRANTY	Software for download	PlayMemories Home™ for PC Music Transfer for PC and Mac®
	Limited Term Warranty	Limited 1 year parts and labor
SUPPLIED ACCESSORIES	Battery	LITHIUM ION NP-BN 3.6V (NP-BN)
	Battery Charger	AC Adaptor AC-UB10
	A/V Cable	-
	USB Cable	-
	Multi-Connector Cable (A/V/USB)	Yes
FOOTNOTES	Wrist Strap	Yes
	Paint Pen	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.
8. Actual performance varies based on settings, environmental conditions, and usage. Battery capacity decreases over time and use.



DSC-TX200V

Weather-resistance, high performance and style combined.

Its thin glass-panel design protects the stabilized 5x optical/10x Clear Image zoom and 3.3" OLED touch-screen, and its 18.2 MP sensor captures stunning stills and Full HD 1080/60p make video more exciting.

High-speed AF

To improve focusing speed and sensitivity, the Exmor® R CMOS sensor uses its rapid throughput to deliver high-quality image signals to the camera's BIONZ® processor, which provides intelligent response data to a new high speed actuator motor in the lens. The result is fast, DSLR-like focusing speeds even in low light.

5x Optical Zoom plus 10x 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 digitally 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 1080/60p

Record crystal clear movies at the highest resolution available with capabilities for 60p in 1080¹. This provides stunning, fast motion video with less distortion for playback on your HDTV.² 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 18.2 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. 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.

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.

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.



18.2MP Exmor® R CMOS sensor

Enables advanced processing that reduces noise levels, resulting in stunning low-light images with incredible details.



Waterproof and Dustproof

Thanks to its airtight construction, it is dustproof as well as waterproof to a depth of 16 feet.³



Slim glass design plus a 3.3" OLED Touch-screen

Sleek, polished glass camera front without protruding lenses or control buttons, making it one of the thinnest cameras in its class.



Photo Creativity Demo

Scan QR code with your smartphone to view Photo Creativity video.



Silver



Red



Violet



Specifications

GENERAL	Camera Type	Touch-screen
	Image Device	1/2.3" Exmor® R CMOS Sensor
	Effective Pixel Resolution	18.2MP
	Processor	BIONZ®
OPTICS & LENS	Lens Type	Carl Zeiss® Vario-Tessar®
	Lens Construction	12 elements in 10 groups (including 6 aspherical elements, 1 prism)
	Aperture Range	f 3.5-4.8
	Focal Length (33mm Equivalency)	Still 16:9: 28-140mm/Still 4:3: 26-130mm/Movie 16:9: 28-140mm (Optical SteadyShot Standard), 30-150mm (Optical SteadyShot Active)/Movie 4:3: 35-175mm (Optical SteadyShot Standard), 37-185mm (Optical SteadyShot Active)
	Optical Zoom	5x
	Clear Image Zoom	10x
LCD & VIEWFINDER	LCD Type	3.3" Xtra Fine™ TruBlack™ OLED touch-screen (1,229K dots)
	Viewfinder	-
RECORDING	Media Slot	MS Micro, Memory Stick Micro (Mark 2) and Micro SD/Micro SDHC Compatible
	Still Images	16:9 mode: 113M (4896 x 2,752)/2M (1,920 x 1,080); 4:3 mode: 13MB (4896 x 3,672)/10M (3,648 x 2,736)/5M (2,592 x 1,944)/VGA; Panorama mode: 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)
	Video	AVCHD 60i:28M PS (1,920 x 1,080/60p)/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) ¹
	Microphone/Speaker	Stereo/Mono
FOCUS	Focus	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)
	Intelligent Auto Focus	Yes
	Macro Mode	Yes
EXPOSURE	Exposure Metering	Multi Pattern/Center Weighted/Spot
	Exposure Compensation	Plus/Minus 2.0EV, 1/3EV step
	ISO	Auto/64/100/200/400/800/1600/3200/6400/12800
	Backlight Correction HDR	Yes
	Dynamic Range Optimizer	Standard
	White Balance	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
SHUTTER	Shutter Speed	iAuto (2"-1/1600)/Program Auto (1"-1/1600)
	Burst Mode	Approx 10 fps at 18.2MP (Maximum 10 shots)
	Flash Type	Built-in Flash
FLASH	Flash Effective Range	ISO Auto: Approx. 0.08m-3.1m (3 1/4"-10" 2 1/8") (W)/Approx. 0.6m-2.3m (1' 11 5/8"-7' 6 5/8") (T), ISO3200: up to Approx. 6.1m (20' 1/4") (W)/Approx. 4.6m (15' 1 1/8") (T)
	Flash Mode	Auto/Flash On/Slow Synchro/Flash Off

SCENE MODES	Scene Modes	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	
	Image Stabilization	Optical SteadyShot™ image stabilization with Active Mode	
	GPS	Yes	
	Panorama	Intelligent Sweep Panorama/3D Sweep Panorama/Underwater Sweep Panorama	
FEATURES	Multi-shot layering	Yes	
	Picture Effects	HDR Painting / RichTone Monochrome / Miniature / Toy camera / Pop Color / Partial Color / Soft High-key / Watercolor / Illustration	
	Waterproof/Dustproof/Shockproof ⁸	Yes / Yes / No	
	Photo Creativity	Yes	
INPUTS & OUTPUTS	Intelligent Auto	Yes	
	Intelligent Scene Recognition	Yes	
	Face Detection	8 Faces (Auto/Off/Child Priority/Adult Priority/Key Selected Face Memory)	
	Blink Detection	Yes	
	Smile Shutter™ Mode	Yes	
	Self-timer	Off/10sec./2sec./portrait1/portrait2	
	In-Camera Editing	Trimming/Red-Eye Correction/Unsharp Masking	
	TransferJet™ Technology	-	
	Tracking Focus	Off/Auto	
	USB	Micro USB, Hi-Speed USB (USB2.0)	
	HD Video	Micro HDMI®	
	SD Video	-	
	POWER	Supplied Battery	LITHIUM ION NP-BN 3.6V
		Battery Life (Approx.) ⁸	110 minutes
DIMENSIONS	Number of Images (Approx.) ⁸	220	
	Dimensions (Approx.)	3 7/8 x 2 3/8 x 21/32" (95.5 x 58.3 x 16.0mm)	
SOFTWARE	Weight (Approx.)	4.6 oz. (129g)	
	Software for download	PlayMemories Home™ for PC Music Transfer for PC and Mac®	
SERVICE & WARRANTY	Limited Term Warranty	Limited 1 year parts and labor	
	Battery	LITHIUM ION NP-BN 3.6V (NP-BN)	
SUPPLIED ACCESSORIES	Battery Charger	Yes, AC Adaptor AC-UB10	
	A/V Cable	-	
	USB Cable	Micro USB Cable	
	Multi-Connector Cable (A/V/USB)	-	
	Wrist Strap	Yes	
	Paint Pen	Yes	
FOOTNOTES	Cleaning Cloth	Yes	
	1. Records in 29 minute segments.		
2. Requires HDTV and HDMI cable sold separately.			
3. Waterproof certified to IEC60529 IPX8 standard and dustproof certified to IEC 60529 IP5X standard.			
8. Actual performance varies based on settings, environmental conditions, and usage.			
	Battery capacity decreases over time and use.		



H-Series

Refine your point of view.

Sony's high-zoom cameras are about more than wildlife and field sports. Optical zoom ranges of up to 30x enable you to find exactly the right focal length for each shot: wide for sumptuous landscapes, medium for portraits and general photography or full telephoto to fill the frame with that red-tailed hawk. Every camera boasts either a Sony G Lens or Carl Zeiss glass. Every camera benefits from Sony's Active Mode image stabilization. And one model offers Sony's Wi-Fi® sharing for compatible smartphones, tablets, televisions and PCs, as well as wireless charging.



DSC-HX20V



DSC-H90



DSC-HX10V



DSC-HX30V



DSC-HX200V



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 plus HD 720p video. View images and menus on the bright 3.0" LCD and enhance creativity with built-in Picture Effect and Sweep Panorama™ modes.

16.1 Megapixel 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+ (13 x 19") size, or crop your images and still come away with high resolution shots.

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. Four effects include Toy Camera, Pop Color, Partial Color and Soft High-key.

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.

Intelligent Auto mode

Unlike traditional auto mode, Intelligent Auto (iAuto) mode thinks for you, recognizing scenes, lighting conditions and 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; all 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 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.



16x Optical Zoom to take close up shots

Brings distant subjects super close for great outdoors, sports and travel photos.



720p MP4 HD Movie mode

Shoots 1280 x 720 high definition movies at 30 fps, a standard format when working with a PC.¹



Sweep Panorama™ mode (up to 360°)

Reach beyond the traditional wide angle lens and capture more breathtaking shots.



Sweep Panorama™ Demo

Scan QR code with your smartphone to view Sweep Panorama™ video.



Black



Silver



Red



Specifications

GENERAL	Camera Type	High Zoom digital camera
	Image Device	1/2.3" Super HAD CCD CMOS Sensor
	Effective Pixel Resolution	16.1MP
	Processor	BIONZ®
	Lens Type	Sony G
OPTICS & LENS	Lens Construction	10 elements in 7 groups (including 4 aspherical elements)
	Aperture Range	f 3.3-5.9
	Focal Length (33mm Equivalency)	Still 16.9: 26–416mm/Still 4.3: 24–384mm/ Movie 16.9: 25–400mm (SteadyShot Standard), 26–416mm (SteadyShot Active)/Movie 4.3: 31–496mm (SteadyShot Standard), 32–672mm (SteadyShot Active)
	Optical Zoom	16x
	Digital Zoom	64x
LCD & VIEWFINDER	LCD Type	3.0" Clear Photo™ LCD (460K dots)
	Viewfinder	None
RECORDING	Media Slot	MS Duo and SD/SDHC/SDXC Compatible 16:9 mode: 12M (4,608 x 2,592)/2M (1,920 x 1,080); 4:3 mode: 16M (4,608 x 3,456)/10M (3,648 x 2,736)/5M (2,592 x 1,944)/VGA; Panorama mode: Sweep Panorama: 360° (11,520 x 1,080)/Wide (7,152 x 1,080/4,912 x 1,920)/Standard (4,912 x 1,080/3,424 x 1,920)
	Still Images	1280x720 (Fine)(1,280 x 720/30fps)/ 1280 x 720(Standard)(1,280 x 720/30fps)/ VGA (640 x 480/30fps) ¹
	Video	Mono/Mono
	Microphone/Speaker	Mono/Mono
	Focus	Multi Point AF/Center Weighted AF/Spot AF/ Tracking Focus/Face Tracking Focus
FOCUS	Intelligent Auto Focus	Yes
	Macro Mode	-
EXPOSURE	Exposure Metering	Multi Pattern/Center Weighted/Spot
	Exposure Compensation	Plus/Minus 2.0EV, 1/3EV step
	ISO	Auto/80/100/200/400/800/1600/3200
	Backlight Correction HDR	-
	Dynamic Range Optimizer	Standard/Plus/Off
SHUTTER	Shutter Speed	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
	Burst Mode	iAuto (2*–1/1600)/Program Auto (1*–1/1600)
FLASH	Flash Type	Built-in Flash
	Flash Effective Range	ISO Auto: Approx. 0.3m–3.7m (11 7/8"–12' 1 3/4") (W)/Approx. 1.2m–2.1m (3' 11 1/4"–6' 10 3/4")(T), ISO3200: up to Approx. 7.3 m(23' 11 1/2")(W)/ Approx. 4.1m (13' 5 1/2")(T)
	Flash Mode	Auto/Flash On/Slow Synchro/Flash Off

FEATURES	Scene Modes	High Sensitivity/Soft snap/Soft Skin/Landscape/ Night Portrait/Night Scene/Gourmet/Beach/Snow/ Fireworks/Pet mode/Advanced Sports Shooting
	Image Stabilization	Optical SteadyShot™ image stabilization with Active Mode
	GPS	-
	Panorama	Sweep Panorama/Sweep Panorama (360)
	Multi-shot layering	-
	Intelligent Auto	-
	Intelligent Scene Recognition	Yes
	Face Detection	8 Faces (Auto/Off/Child Priority/Adult Priority/Key Selected Face Memory)
	Blink Detection	Yes
	Smile Shutter™ Mode	Yes
INPUTS & OUTPUTS	Self-timer	Off/10sec./2sec./portrait1/portrait2
	In-Camera Editing	Trimming/Red Eye Correction/Unsharp Masking
	TransferJet™ Technology	-
	Tracking Focus	Off/Auto
	USB	Multi (AV/USB), Hi-Speed USB (USB2.0)
	HD Video	Composite
	SD Video	4:3
	Supplied Battery	LITHIUM ION NP-BG1 3.6V
	Battery Life (Approx.) ⁸	145 minutes
	Number of Images (Approx.) ⁸	290
DIMENSIONS	Dimensions (Approx.)	4 1/8 x 2 3/8 x 1 3/8" (104.7 x 59.7 x 33.8mm)
	Weight (Approx.)	7.8oz. (222g)
SOFTWARE	Software for download	PlayMemories Home™ for PC Music Transfer for PC and Mac®
SERVICE & WARRANTY	Limited Term Warranty	Limited 1 year parts and labor
SUPPLIED ACCESSORIES	Battery	LITHIUM ION NP-BG1 3.6V
	Battery Charger	Yes
	A/V Cable	-
	USB Cable	-
	Multi-Connector Cable (A/V/USB)	Yes
Wrist Strap	Yes	
Paint Pen	-	

FOOTNOTES
1. Records in 29 minute segments
8. Actual performance varies based on settings, environmental conditions, and usage.
Battery capacity decreases over time and use.



DSC-HX10V

Capture the decisive moment and its GPS location automatically with the DSC-HX10V.

Its 16x optical/32x Clear Image zoom gets you in close for detailed 18MP pictures, optical stabilization for smooth Full HD videos and high speed AF. Photo Creativity lets you preview exposure, white balance and Picture Effects before you shoot.

16x Optical Zoom plus 32x 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 digitally creates new pixels to match selected patterns, resulting in more realistic, higher-quality images. Clear Image zoom doubles optical zoom for closer photos.

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.

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.

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.

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

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 shot layering technology. Intelligently detects 33 scenes for still images and movies, making it easy to get the best shot.



18.2MP Exmor® R CMOS sensor

Enables advanced processing that reduces noise levels, resulting in stunning low-light images with incredible details.



High-speed AF

To improve focusing speed and sensitivity, the Exmor® R sensor uses its rapid throughput to deliver high-quality image signals to the camera's BIONZ® processor.



Capture the decisive moment with up to 10fps

Capture full 18.2 megapixel resolution images at up to 10fps, helping to ensure that the decisive moment is captured.



Picture Effects Demo

Scan QR code with your smartphone to view 9 Picture Effects video.

Specifications



Black



Silver



Red



White

GENERAL	Camera Type	High Zoom
	Image Device	1/2.3" Exmor® R CMOS Sensor
	Effective Pixel Resolution	18.2MP
	Processor	BIONZ®
	Lens Type	Sony G
OPTICS & LENS	Lens Construction	10 elements in 7 groups
	Aperture Range	f 3.3-5.9
	Focal Length (33mm Equivalency)	Still 16:9: 26-416mm/Still 4:3: 25-400mm/Movie 16:9: 25-400mm (SteadyShot Standard), 26-546mm (SteadyShot Active)/Movie 4:3: 31-496mm (SteadyShot Standard), 32-672mm (SteadyShot Active)
	Optical Zoom	16x
	Clear Image Zoom	32x
LCD & VIEWFINDER	LCD Type	3.0" Xtra Fine LCD™ display (921K dots)
	Viewfinder	None
RECORDING	Media Slot	MS Duo and SD/SDHC/SDXC Compatible
	Still Images	16:9 mode: 13M (4,896 x 2,752)/2M (1,920 x 1,080); 4:3 mode: 18M (4,896 x 3,672)/10M (3,648 x 2,736)/5M (2,592 x 1,944)/VGA; Panorama mode: 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)
	Video	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) ¹
	Microphone/Speaker	Stereo/Mono
	Focus	Multi Point AF/Center Weighted AF/Spot AF/Tracking Focus/Face Tracking Focus
FOCUS	Intelligent Auto Focus	Yes
	Macro Mode	Yes
EXPOSURE	Exposure Metering	Multi Pattern/Center Weighted/Spot
	Exposure Compensation	Plus/Minus 2.0EV, 1/3EV step
	ISO	Auto/100/200/400/800/1600/3200/6400/12800
	Backlight Correction HDR	Yes
	Dynamic Range Optimizer	Standard
SHUTTER	White Balance	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
	Shutter Speed	iAuto (4"-1/1600)/Program Auto (1"-1/1600)/Manual (30"-1/1600)
	Burst Mode	Approx 10 fps at 18.2MP (Maximum 10 shots)
FLASH	Flash Type	Built-in Flash
	Flash Effective Range	ISO Auto: Approx. 0.25m-5.3m (9 7/8"-17' 4 3/4") (W)/Approx. 1.2m-2.9m (3' 11 1/4"-9' 6 1/4") (T), ISO3200: up to Approx. 8.0m (26' 3") (W)/Approx. 4.1m (13' 5 1/2") (T)
	Flash Mode	Auto/Flash On/Slow Synchro/Flash Off

FEATURES	Scene Modes	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/Advanced sports shooting
	Image Stabilization	Optical SteadyShot™ image stabilization with Active Mode
	GPS	Yes
	Panorama	Intelligent Sweep Panorama/3D Sweep Panorama
	Multi-shot layering	Yes
	Picture Effects	HDR Painting/Richtone Monochrome/Miniature/Toy camera/Pop Color/Partial Color/Soft High-key/Watercolor/Illustration
	Photo Creativity	Yes
	Intelligent Auto	Yes
	Intelligent Scene Recognition	Background Defocus
	Face Detection	8 Faces (Auto/Off/Child Priority/Adult Priority/Key Selected Face Memory/Background Defocus)
INPUTS & OUTPUTS	Blink Detection	Yes
	Smile Shutter™ Mode	Yes
	Self-timer	Off/10sec./2sec./portrait1/portrait2
	In-Camera Editing	Trimming/Red Eye Correction/Unsharp Masking
	TransferJet™ Technology ⁷	Send: Yes, Receive: Yes
	Tracking Focus	Off/Auto
	USB	Micro USB, Hi-Speed USB (USB2.0)
	HD Video	Mini HDMI®
	SD Video	-
	Supplied Battery	LITHIUM ION NP-BG1 3.6V
POWER	Battery Life (Approx.) ⁸	170 minutes
	Number of Images (Approx.) ⁸	340
DIMENSIONS	Dimensions (Approx.)	4 1/8 x 2 3/8 x 1 3/8" (104.7 x 59.7 x 33.8mm)
	Weight (Approx.)	8.3oz. (234g)
SOFTWARE	Software for download	PlayMemories Home™ for PC Music Transfer for PC and Mac®
SERVICE & WARRANTY	Limited Term Warranty	Limited 1 year parts and labor
	Battery	LITHIUM ION NP-BG1 3.6V
SUPPLIED ACCESSORIES	Battery Charger	AC Adaptor ACUB10
	A/V Cable	-
	USB Cable	Micro USB Cable
	Multi-Connector Cable (A/V/USB)	-
	Wrist Strap	Yes
	Paint Pen	-

1. Records in 29 minute segments.

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

7. TransferJet™ enabled media (sold separately) and TransferJet technology required in both devices.

8. Actual performance varies based on settings, environmental conditions, and usage.

Battery capacity decreases over time and use.

FOOTNOTES



DSC-HX20V

Get extremely close with the 20x optical/40x Clear Image zoom on the Sony® DSC-HX20V.

Capture detailed pictures and Full HD 1080/60p videos with its 18.2MP sensor. High speed AF captures the action and a built-in GPS lets you share your journeys. Picture Effects and Photo Creativity expand creative options.

18.2MP Exmor® R CMOS sensor

The 18.2MP Exmor® R CMOS sensor captures ultra-high definition images that take full advantage of the camera's sharp Sony® G lens. The sensor enables advanced processing that reduces noise levels, resulting in stunning low-light images with incredible details.

GPS and Compass

GPS and compass record location data and camera direction as you shoot movies and photos. GPS Log lets users track a photographic journey and later view the path and images on a map. Map View in PlayMemories Home™ software, allows users to view images on a map showing where they were taken. The logged path and images can also be displayed on Google Earth.⁴

Optical SteadyShot™ image stabilization with 3-way Active Mode

Optical SteadyShot™ image stabilization reduces shake and blur by countering camera movements in both horizontal and vertical directions. Active 3-Way stabilization adds digital rolling control that counters clockwise and anti-clockwise rotation, resulting in more stable videos even at long focal lengths.

Capture the decisive moment with up to 10fps

Capture full 18.2 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.

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.

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. Select camera models have up to nine different 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.



High-speed AF

To improve focusing speed and sensitivity, the Exmor® R sensor uses its rapid throughput to deliver high-quality image signals to the camera's BIONZ® processor.



20x Optical Zoom plus 40x Clear Image Zoom

The processor compares patterns found in adjacent pixels and digitally creates new pixels to match selected patterns, resulting in more realistic, higher-quality images.



Full HD 1080/60p

Record crystal clear movies at the highest resolution available with capabilities for 60p in 1080 AVCHD™ video.¹



Clear Image Zoom Demo

Scan QR code with your smartphone to view Clear Image zoom video.

Specifications



GENERAL	Camera Type	High Zoom
	Image Device	1/2.3" Exmor® R CMOS Sensor
	Effective Pixel Resolution	18.2MP
	Processor	BIONZ®
OPTICS & LENS	Lens Type	Sony G
	Lens Construction	12 elements in 9 groups (with 4 aspheric elements)
	Aperture Range	f 3.2-5.8
	Focal Length (33mm Equivalency)	Still 16.9: 27.5-550mm/Still 4.3: 25-400mm/Movie 16.9: 27.5-550mm (SteadyShot Standard), 26-546mm (SteadyShot Active)/Movie 4.3: 34-680mm (SteadyShot Standard), 35-980mm (SteadyShot Active)
	Optical Zoom	20x
	Clear Image Zoom	40x
LCD & VIEWFINDER	LCD Type	3.0" Xtra Fine LCD™ TruBlack™ display (921K dots)
	Viewfinder	None
RECORDING	Media Slot	MS Duo and SD/SDHC/SDXC Compatible
	Still Images	16:9 mode: 13M (4,896 x 2,752)/2M (1,920 x 1,080); 4:3 mode: 18M (4,896 x 3,672)/10M (3,648 x 2,736)/5M (2,592 x 1,944)/VGA: Panorama mode: 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)
	Video	AVCHD 60i:28M PS (1,920 x 1,080/60p)/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) ¹
	Microphone/Speaker	Stereo/Mono
	Focus	Multi Point AF/Center Weighted AF/Flexible Spot AF/Manual/Semi Manual/Tracking Focus/Face Tracking Focus
FOCUS	Intelligent Auto Focus	Yes
	Macro Mode	Yes
EXPOSURE	Exposure Metering	Multi Pattern/Center Weighted/Spot
	Exposure Compensation	Plus/Minus 2.0EV, 1/3EV step
	ISO	Auto/100/200/400/800/1600/3200/6400/12800
	Backlight Correction HDR	Yes
	Dynamic Range Optimizer	Standard
	White Balance	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 Shift
SHUTTER	Shutter Speed	iAuto (4"-1/1600)/Program Auto (1"-1/1600)/Manual (30"-1/1600)
	Burst Mode	Approx 10 fps at 18.2MP (Maximum 10 shots)
	Flash Type	Built-in Flash
FLASH	Flash Effective Range	ISO Auto: Approx. 0.4m-7.1m (1' 3 3/4"-23' 3 5/8") (W)/Approx. 1.7m-3.9m (5' 7"-12' 9 5/8")(T), ISO3200: up to Approx. 10.0m (32' 9 3/4")(W)/Approx. 5.5m (18' 5/8")(T)
	Flash Mode	Auto/Flash On/Slow Synchro/Flash Off

FEATURES	Scene Modes	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/Advanced sports shooting
	Image Stabilization	Optical SteadyShot™ image stabilization with 3-way Active Mode
	GPS	Yes
	Panorama	Intelligent Sweep Panorama/3D Sweep Panorama
	Multi-shot layering	Yes
	Picture Effects	HDR Painting / Richtone Monochrome / Miniature / Toy camera / Pop Color / Partial Color / Soft High-key / Watercolor / Illustration
	Photo Creativity	Yes
	Intelligent Auto	Yes
	Intelligent Scene Recognition	Yes
	Background Defocus	Yes
INPUTS & OUTPUTS	Face Detection	8 Faces (Auto/Off/Child Priority/Adult Priority/Key Selected Face Memory)
	Blink Detection	Yes
	Smile Shutter™ Mode	Yes
	Self-timer	Off/10sec./2sec./portrait1/portrait2
	In-Camera Editing	Trimming/Red Eye Correction/Unsharp Masking
	TransferJet™ Technology ⁷	Send: Yes, Receive: Yes
	Tracking Focus	Off/Auto
	USB	Micro USB, Hi-Speed USB (USB2.0)
	HD Video	Micro HDMI®
	SD Video	-
POWER	Supplied Battery	LITHIUM ION NP-BG1 3.6V
	Battery Life (Approx.) ⁸	160 minutes
DIMENSIONS	Number of Images (Approx.) ⁸	320
	Dimensions (Approx.)	4 1/4 x 2 1/2 x 1 3/8" (106.6 x 61.9 x 34.6mm)
	Weight (Approx.)	9.0oz (254g)
SOFTWARE	Software for download	PlayMemories Home™ for PC Music Transfer for PC and Mac®
SERVICE & WARRANTY	Limited Term Warranty	Limited 1 year parts and labor
	Battery	LITHIUM ION NP-BG1 3.6V
SUPPLIED ACCESSORIES	Battery Charger	AC Adaptor ACUB10
	A/V Cable	-
	USB Cable	Micro USB Cable
	Multi-Connector Cable (A/V/USB)	-
	Wrist Strap	Yes
	Paint Pen	-

- FOOTNOTES**
- Records in 29 minute segments.
 - Requires 3D HDTV, HDMI cable (at least 10.2 Gbps) and active 3D glasses sold separately.
 - Map service requires PC with internet. Service provided by Google and subject to change without notice.
 - TransferJet™ enabled media (sold separately) and TransferJet technology required in both devices.
 - Actual performance varies based on settings, environmental conditions, and usage. Battery capacity decreases over time and use.



DSC-HX30V

Capture and share all the action with the 20x optical/40x Clear Image zoom DSC-HX30V with high speed AF.

Its advanced 18.2MP sensor records 2D or 3D still photos and Full HD 1080/60p videos, while its 20X optical/40X Clear Image zoom lens features 3-way stabilization for movies. Share images quickly with Wi-Fi®, and wirelessly charge the battery on the included dock.

18.2MP Exmor® R CMOS sensor

The 18.2MP Exmor® R CMOS sensor captures ultra-high definition images that take full advantage of the camera's sharp Sony® G lens. The sensor enables advanced processing that reduces noise levels, resulting in stunning low-light images with incredible details.

Optical SteadyShot™ image stabilization with 3-way Active Mode

Optical SteadyShot™ image stabilization reduces shake and blur by countering camera movements in both horizontal and vertical directions. Active 3-Way stabilization adds digital rolling control that counters clockwise and anti-clockwise rotation, resulting in more stable videos even at long focal lengths.

Full HD 1080/60p

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

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.

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.

GPS and Compass

GPS and compass record location data and camera direction as you shoot movies and photos. GPS Log lets users track a photographic journey and later view the path and images on a map. Map View in PlayMemories Home™ software, allows users to view images on a map showing where they were taken. The logged path and images can also be displayed on Google Earth.⁴

Capture the decisive moment with up to 10fps

Capture full 18.2 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.



High-speed AF

To improve focusing speed and sensitivity, the Exmor® R sensor uses its rapid throughput to deliver high-quality image signals to the camera's BIONZ® processor.



20x Optical Zoom plus 40x Clear Image Zoom

The processor compares patterns found in adjacent pixels and digitally creates new pixels to match selected patterns, resulting in more realistic, higher-quality images.



Wi-Fi® Sharing and Wireless Battery Charging

Lets you quickly upload photos and videos directly to social media sites, back them up on a network-connected PC, or view them on a large screen TV.⁶



DSC-HX30V Video Tour

Scan QR code with your smartphone to view an DSC-HX30V video tour.

Specifications



GENERAL	Camera Type	High Zoom
	Image Device	1/2.3" Exmor® R CMOS Sensor
	Effective Pixel Resolution	18.2MP
	Processor	BIONZ®
	Lens Type	Sony G
OPTICS & LENS	Lens Construction	12 elements in 9 groups (including 4 aspheric elements)
	Aperture Range	f 3.2-5.8
	Focal Length (33mm Equivalency)	Still 16.9: 27.5-550mm/Still 4.3: 25-500mm/Movie 16.9: 27.5-550mm (SteadyShot Standard), 28-784mm (SteadyShot Active)/Movie 4.3: 34-680mm (SteadyShot Standard), 35-980mm (SteadyShot Active)
	Optical Zoom	20x
	Clear Image Zoom	40x
	LCD & VIEWFINDER	LCD Type
Viewfinder		None
RECORDING	Media Slot	MS Duo and SD/SDHC/SDXC Compatible
	Still Images	16:9 mode: 13M (4,896 x 2,752)/2M (1,920 x 1,080); 4:3 mode: 18M (4,896 x 3,672)/10M (3,648 x 2,736)/5M (2,592 x 1,944)/VGA; Panorama mode: 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)
	Video	AVCHD 60i: 28M PS (1,920 x 1,080/60p)/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 480/30ps) ¹
	Microphone/Speaker	Stereo/Mono
	Focus	Multi Point AF/Center Weighted AF/Flexible Spot AF/Manual/Semi Manual/Tracking Focus/Face Tracking Focus
FOCUS	Intelligent Auto Focus	Yes
	Macro Mode	Yes
EXPOSURE	Exposure Metering	Multi Pattern/Center Weighted/Spot
	Exposure Compensation	Plus/Minus 2.0EV, 1/3EV step
	ISO	Auto/100/200/400/800/1600/3200/6400/12800
	Backlight Correction HDR	Yes
	Dynamic Range Optimizer	Standard
SHUTTER	White Balance	-
	Shutter Speed	-
FLASH	Burst Mode	-
	Flash Type	Built-in Flash
	Flash Effective Range	-
	Flash Mode	-

SCENE MODES	Scene Modes	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/Advanced sports shooting
	Image Stabilization	Optical SteadyShot™ image stabilization with 3-way Active Mode
	GPS	Yes
	Panorama	Intelligent Sweep Panorama/3D Sweep Panorama
	Multi-shot layering	Yes
PICTURE EFFECTS	Picture Effects	HDR Painting / Richtone Monochrome / Miniature / Toy camera / Pop Color / Partial Color / Soft High-key / Watercolor / Illustration
	Photo Creativity	Yes
	Intelligent Auto	Yes
	Intelligent Scene Recognition	Yes
	Background Defocus	Yes
FEATURES	Face Detection	8 Faces (Auto/Off/Child Priority/Adult Priority/Key Selected Face Memory/Background Defocus)
	Blink Detection	Yes
	Smile Shutter™ Mode	Yes
	Self-timer	Off/10sec./2sec./portrait1/portrait2
	In-Camera Editing	Trimming/Red Eye Correction/Unsharp Masking
	TransferJet™ Technology ⁷	Send: Yes, Receive: Yes
	Tracking Focus	Off/Auto
	USB	Micro USB, Hi-Speed USB (USB2.0)
	HD Video	Micro HDMI®
	SD Video	-
POWER	Supplied Battery	LITHIUM ION NP-BG1 3.6V
	Battery Life (Approx.) ⁸	160 minutes
	Number of Images (Approx.) ⁸	320
DIMENSIONS	Dimensions (Approx.)	4 1/4 x 2 1/2 x 1 3/8" (106.6 x 61.9 x 34.6mm)
	Weight (Approx.)	9.0oz (254g)
SOFTWARE	Software for download	PlayMemories Home™ for PC Music Transfer for PC and Mac
SERVICE & WARRANTY	Limited Term Warranty	Limited 1 year parts and labor
SUPPLIED ACCESSORIES	Battery	LITHIUM ION NP-BG-1 3.6V
	Battery Charger	AC Adaptor ACUB10
	A/V Cable	-
	USB Cable	Micro USB Cable
	Multi-Connector Cable (A/V/USB)	-
	Wrist Strap	Yes
Paint Pen	-	

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. Map service requires PC with internet. Service provided by Google and subject to change without notice.
 5. Requires an active 802.11 Wi-Fi network (802.11n recommended). Connection to PC or TV also requires one device on network to be set up as a DLNA server.
 6. TransferJet™ enabled media (sold separately) and TransferJet technology required in both devices.
 7. Actual performance varies based on settings, environmental conditions, and usage.
 8. Battery capacity decreases over time and use.

FOOTNOTES



DSC-HX200V

Frame your shots like a pro with the DSC-HX200V.

Its 18MP sensor and 30x optical/60x Clear Image zoom capture breathtaking photos at up to 10fps, plus ultra-stabilized Full HD 1080/60p videos. High Speed Focus improves AF speed and accuracy, while a GPS and compass record location and shot direction so you can share your trips online.

Full HD 1080/60p

Record crystal clear movies at the highest resolution available with capabilities for 60p in 1080.¹ This provides stunning, fast motion video with less distortion for playback on your HDTV.² With dual record of stills and movies, you can shoot both at the same time.

Optical SteadyShot™ image stabilization with 3-way Active Mode

Optical SteadyShot™ image stabilization reduces shake and blur by countering camera movements in both horizontal and vertical directions. Active 3-Way stabilization adds digital rolling control that counters clockwise and anti-clockwise rotation, resulting in more stable videos even at long focal lengths.

GPS and Compass

GPS and compass record location data and camera

direction as you shoot movies and photos. GPS Log lets users track a photographic journey and later view the path and images on a map. Map View in PlayMemories Home™ software, allows users to view images on a map showing where they were taken. The logged path and images can also be displayed on Google Earth.⁴

Capture the decisive moment with up to 10fps

Capture full 18.2 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.

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.

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. Select camera models have up to nine different 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.



18.2MP Exmor® R CMOS sensor

Enables advanced processing that reduces noise levels, resulting in stunning low-light images with incredible details.



High-speed AF

To improve focusing speed and sensitivity, the Exmor® R sensor uses its rapid throughput to deliver high-quality image signals to the camera's BIONZ® processor.



30x Optical Zoom plus 60x Clear Image Zoom

The processor compares patterns found in adjacent pixels and digitally creates new pixels to match selected patterns, resulting in more realistic, higher-quality images.



Photo Creativity Demo

Scan QR code with your smartphone to view Photo Creativity video.

Specifications



GENERAL	Camera Type	High Zoom
	Image Device	1/2.3" Exmor® R CMOS Sensor
	Effective Pixel Resolution	18.2MP
	Processor	BIONZ®
OPTICS & LENS	Lens Type	Carl Zeiss® Vario-Tessar®
	Lens Construction	11 elements in 10 groups (including 1 ED glass element and 1 aspheric element)
	Aperture Range	f 2.8-5.6
	Focal Length (33mm Equivalency)	Still 16:9: 29-870mm/Still 4:3: 27-810mm/Movie 16:9: 29-870mm (SteadyShot Standard), 36-1080mm (SteadyShot Active)/Movie 4:3: 36-1080mm (SteadyShot Standard), 36-1080mm (SteadyShot Active)
	Optical Zoom	30x
	Clear Image Zoom	60x
LCD & VIEWFINDER	LCD Type	3.0" Xtra Fine LCD™ TruBlack™ display (921K dots)
	Viewfinder	Optical (0.2 type), 201K dots equivalent)
RECORDING	Media Slot	MS Duo and SD/SDHC/SDXC Compatible
	Still Images	16:9 mode: 13M(4896 x 2.752)/2M (1,920 x 1,080); 4:3 mode: 18M (4,896 x 3,672)/10M (3,648 x 2,736)/5M (2,592 x 1,944)/VGA; Panorama mode: 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)
	Video	AVCHD 60i:28M PS (1,920 x 1,080/60p)/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) ¹
	Microphone/Speaker	Stereo/Mono
	Focus	Multi Point AF/Center Weighted AF/Flexible Spot AF/Manual/Tracking Focus/Face Tracking Focus
FOCUS	Intelligent Auto Focus	Yes
	Macro Mode	Yes
EXPOSURE	Exposure Metering	Multi Pattern/Center Weighted/Spot
	Exposure Compensation	Plus/Minus 2.0EV, 1/3EV step
	ISO	Auto/100/125/160/200/250/320/400/500/640/800/1000/1250/1600/2000/2500/3200/4000/5000/6400/8000/10000/12800
	Backlight Correction HDR	Yes
	Dynamic Range Optimizer	Standard
	White Balance	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 shift
SHUTTER	Shutter Speed	iAuto (4 ^s -1/4000)/Program Auto (1 ^s -1/4000)/Shutter Priority (30 ^s -1/4000)/Aperture Priority (8 ^s -1/2000)/Manual (30 ^s -1/4000)
	Burst Mode	Approx 10 fps at 18.2MP (Maximum 10 shots)
	Flash Type	Built-in Flash
FLASH	Flash Effective Range	ISO Auto: Approx. 0.3m-12.4m (3 1/4"-14' 1 3/8") (W)/Approx. 2.0m-5.9 m (1' 11 5/8"-10' 10") (T), ISO3200: up to Approx. 17.5 m (20' 1/4") (W)/Approx. 8.4 m (15' 1 1/8") (T)
	Flash Mode	Auto/Flash On/Slow Synchro/Rear Slow Synchro/Flash Off

FEATURES	Scene Modes	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/Advanced sports shooting
	Image Stabilization	Optical SteadyShot™ image stabilization with 3-way Active Mode
	GPS	Yes
	Panorama	Intelligent Sweep Panorama/3D Sweep Panorama
INPUTS & OUTPUTS	Multi-shot layering	Yes
	Picture Effects	HDR Painting / Richtone Monochrome / Miniature / Toy camera / Pop Color / Partial Color / Soft High-key / Watercolor / Illustration
	Photo Creativity	Yes
	Intelligent Auto	Yes
	Intelligent Scene Recognition	Yes
	Background Defocus	Yes
	Face Detection	8 Faces (Auto/Off/Child Priority/Adult Priority/Key Selected Face Memory)
	Blink Detection	Yes
	Smile Shutter™ Mode	Yes
	Self-timer	Off/10sec./2sec./portrait1/portrait2
POWER	In-Camera Editing	Trimming/Red Eye Correction/Unsharp Masking
	TransferJet™ Technology ⁷	Send: Yes, Receive: Yes
DIMENSIONS	Tracking Focus	Off/Auto
	USB	Micro USB, Hi-Speed USB (USB2.0)
	HD Video	Micro HDMI®
SOFTWARE	SD Video	-
	Supplied Battery	LITHIUM ION NP-FH50 6.8V
	Battery Life (Approx.) ⁸	225 minutes
SERVICE & WARRANTY	Number of Images (Approx.) ⁸	450
	Dimensions (Approx.)	4 7/8 x 3 1/2 x 3 3/4" (121.6 x 86.6 x 93.3mm)
SUPPLIED ACCESSORIES	Weight (Approx.)	1 lb 4.6oz (583g)
	Software for download	PlayMemories Home™ for PC Music Transfer for PC and Mac®
FOOTNOTES	Limited Term Warranty	Limited 1 year parts and labor
	Battery	LITHIUM ION NP-FH50 6.8V
	Battery Charger	AC Adaptor ACL200
	A/V Cable	-
	USB Cable	Micro USB Cable
	Multi-Connector Cable (A/V/USB)	-
	Wrist Strap	-
Shoulder Strap	Yes	
Lens Cap	Yes	
Lens Cap Strap	Yes	
Paint Pen	-	

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. Map service requires PC with internet. Service provided by Google and subject to change without notice.

7. TransferJet™ enabled media (sold separately) and TransferJet technology required in both devices.

8. Actual performance varies based on settings, environmental conditions, and usage.

Battery capacity decreases over time and use.



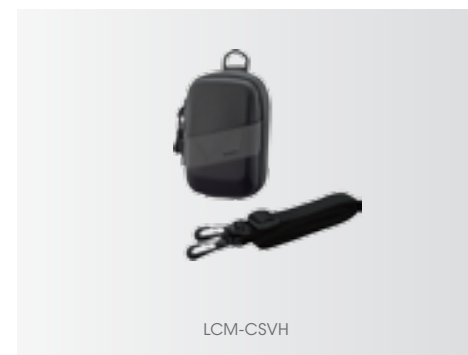
Accessories

Complete the picture with genuine Sony® Accessories.

Protect your investment with our camera cases, ideal for dangling from your wrist or slipping into a purse or pocket.

Put your memories on display at your office or kitchen counter with a Sony S-Frame® display. Our digital picture frames are a smart, fashionable way to show off your favorite pictures. Sony® accessories prove that little things mean a lot.

Cases



Digital Photo Frames



DPF-WA700

- Playback photos and videos on the 7.0" WVGA LCD (16:9)
- Easy Touch-screen operation
- Transfer videos and photos wirelessly*
- Download photos* from Facebook® and PlayMemories Online™ service
- Enjoy Internet Radio and Weather**
- Stream Photos, Video, Music via Home Network***

* Requires devices connected to the same wireless home network.

** Internet connection required.

*** Requires 802.11 home network and content stored on a DLNA® compliant device.



DPF-HD1000



DPF-HD800



DPF-HD700

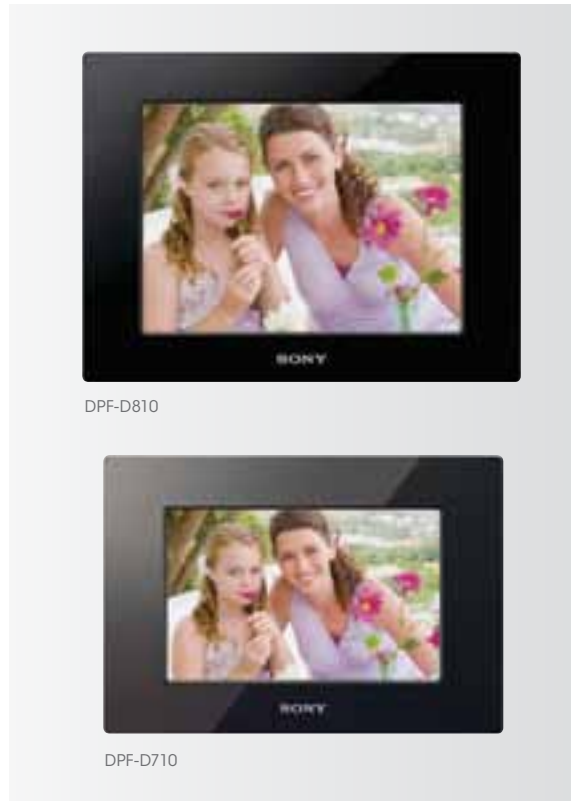
DPF-HD1000, DPF-HD800, DPF-HD700

- Display your photos and videos on the 10.1", 8", or 7" WVGA LCD (16:10)
- View HD movie/motion jpeg/MP4 home videos in living color
- 2GB internal memory (save up to 4000 2MP photos)⁵
- Play background music along with your photos and slideshows
- Multi card/USB slots (MS Duo, MS Pro Duo, SD, SDHC, SDXC)



DPF-D1010

- Display your photos on the 10" WVGA LCD (16:10)
- Remote control
- LED backlight screen
- 128 MB internal memory (save up to 200 2MP photos)⁵
- USB mini B for PC connection and transfers⁷



DPF-D810

DPF-D710

DPF-D810, DPF-710

- Display your photos on the 8" SVGA LCD (16:10) or 7" WVGA LCD (16:10)
- Remote control
- LED backlight screen
- Variety of slide shows with your choice of transitions
- Multi card/USB slots (MS, MS Duo, SD, SDHC)



DPF-XR100

- Display your photos on the 10.2" WSVGA LCD (16:10)
- TruBlack™ Technology adds more contrast to photos and reduces reflections
- Wide view angle
- View AVCHD™/MP4 home videos
- 2GB internal memory (save up to 4000 2MP photos)⁵

Accessories

ACCESSORY	W610	W620	W650	W690	WX50	WX70	WX150
Spare Battery Pack	NP-BN1	NP-BN1	NP-BN1	NP-BN1	NP-BN1	NP-BN1	NP-BN1
Travel Charger	BC-TRN2	BC-TRN2	BC-TRN2	BC-TRN2	BC-TRN2	BC-TRN2	BC-TRN2
Accessory Kit	ACC-CSBN	ACC-CSBN	ACC-CSBN	ACC-CSBN	ACC-CSBN	ACC-CSBN	ACC-CSBN
Carrying Case	LCS-CSZ (4 colors) LCS-CSW (3 colors)	LCS-CSU (4 colors) LCS-CSW (3 colors)	LCS-CSVH LCS-CSU (4 colors)	LCS-CS1 LCS-CS2	LCS-CSVH LCS-CSU (4 colors)	LCS-CSW (3 colors) LCS-CSU (4 colors)	LCS-CS1 LCS-CS2
Marine Pack	-	-	-	-	MPK-WH	MPK-WH	-
Memory Stick PRO Duo™ media	MS-HX32B	MS-HX32B	MS-HX32B	MS-HX32B	MS-HX32B	MS-HX32B	MS-HX32B
Secure Digital media	SF32N4/TQ	SF32N4/TQ	SF32N4/TQ	SF32N4/TQ	SF32NX/TQ	SF32NX/TQ	SF32NX/TQ
Memory Stick with TransferJet™	-	-	-	-	MS-JX8G	MS-JX8G	MS-JX8G
TransferJet Station	-	-	-	-	TJS-1	TJS-1	TJS-1
HDMI® Cable	-	-	-	-	DLC-HEM30 DLC-HEM15	DLC-HEM30 DLC-HEM15	DLC-HEM30 DLC-HEM15
Tripod	VCT-R100	VCT-R100	VCT-R100	VCT-R100	VCT-R100	VCT-R100	VCT-R100

ACCESSORY	TX20	TX66	TX200V	H90	HX10V	HX20V	HX30V	HX200V
Spare Battery Pack	NP-BN1	NP-BN1	NP-BN1	NP-FG1	NP-FG1	NP-FG1	NP-FG1	NP-FH50 NP-FV50
Travel Charger	BC-TRN2	BC-TRN2	BC-TRN2	BC-TRN2	BC-TRN2	BC-TRN2	BC-TRN2	BC-TRV
Accessory Kit	ACC-CTBN	ACC-CTBN	ACC-CTBN	ACC-HDCSG	ACC-HDCSG	ACC-HDCSG	ACC-HDCSG	-
Carrying Case	LCS-THU (5 colors) LCS-WM (3 colors)	LCS-THT TWM (4 colors)	LCS-WM (3 colors) LCS-THT	LCJ-HK LCS-CS2	LCJ-HK LCS-CS2	LCJ-HK LCM-CSVH	LCJ-HK LCM-CSVH	LCJ-HJ LCS-U20
Marine Pack	MPK-THK	-	-	-	-	-	-	-
Memory Stick PRO Duo media	MS-HX32B	-	-	MS-HX32B-	MS-HX32B	MS-HX32B	MS-HX32B	MS-HX32B
Secure Digital media	SF32NX/TQ	-	-	SF32N4/TQ	SF32NX/TQ	SF32NX/TQ	SF32NX/TQ	SF32NX/TQ
Micro SD media	-	SR8A4	SR8A4	-	-	-	-	-
Memory Stick micro	-	MSA-4G	MSA-4G	-	-	-	-	-
Memory Stick with TransferJet	MS-JX8G	-	-	-	MS-JX8G	MS-JX8G	MS-JX8G	MS-JX8G
TransferJet Station	TJS-1	-	-	-	TJS-1	TJS-1	TJS-1	TJS-1
HDMI Cable	DLC-HEM30 DLC-HEM15	DLC-HEM30 DLC-HEM15	DLC-HEM30 DLC-HEM15	-	DLC-HEM30 DLC-HEM15	DLC-HEM30 DLC-HEM15	DLC-HEM30 DLC-HEM15	DLC-HEM30 DLC-HEM15
Tripod	VCT-R100	VCT-R100	VCT-R100	VCT-R100	VCT-R100	VCT-R100	VCT-R100	VCT-R100

STILL IMAGE STORAGE CAPACITY ⁵						
Megapixel	Image size	2GB	4GB	8GB	16GB	32GB
18MP	4,896 x 3,672	295	590	1200	2400	4800
10MP	3,648 x 2,736	390	780	1550	3150	6300
5MP	2,592 x 1,944	670	1300	2700	5400	10500
VGA	640 x 480	6400	12500	25500	40000	40000
16:9 (13M)	4,896 x 2,752	330	660	1300	2650	5300
16:9 (2M)	1,920 x 1,080	1150	2350	4750	9500	19000
Panorama WIDE	7,152 x 1,080	570	1150	2300	4650	9400
Panorama STD	4,912 x 1,080	760	1500	3050	6100	12000
Panorama WIDE	4,912 x 1,920	450	900	1800	3650	7300
Panorama STD	3,424 x 1,920	560	1100	2250	4550	9200
Panorama HR	10,480 x 4,096	130	265	540	1050	2150
3D WIDE	7,152 x 1,080	190	385	780	1550	3100
3D STD	4,912 x 1,080	250	500	1000	2050	4100
3D STD	4,912 x 1,920	145	300	600	1200	2400
3D STD	3,424 x 1,920	185	375	760	1500	3050
3D 16:9	1,920 x 1,080	770	1500	3100	6200	12000
Multi Angle	1,920 x 1,080	120	245	495	990	1950
3D Still Image 18M	4,896 x 3,672	99	195	400	800	1600
3D Still Image 13M	4,896 x 2,752	105	220	445	890	1750

Battery Stamina when Shooting Still Images ⁸	Battery Type	Approximate Number of Minutes	Approximate Number of Still Images
DSC-W610	NP-BN	125	250
DSC-W620	NP-BN	110	220
DSC-W650	NP-BN	110	220
DSC-W690	NP-BN	110	220
DSC-WX50	NP-BN	120	240
DSC-WX70	NP-BN	120	240
DSC-WX150	NP-BN	120	240
DSC-TX20	NP-BN	125	250
DSC-TX66	NP-BN	125	250
DSC-TX200V	NP-BN	110	220
DSC-H90	NP-BG1	145	290
DSC-HX10V	NP-BG1	170	340
DSC-HX20V	NP-BG1	160	320
DSC-HX30V	NP-BG1	160	320
DSC-HX200V	NP-FH50	225	450

RECORDING CAPACITY (APPROXIMATE) ⁵						
Video Format	Resolution	2GB	4GB	8GB	16GB	32GB
AVCHD™ 28M FS	1920 x 1080 / 60p	9 min	15 min	35 min	1 hr 15 min	2 hr 30 min
AVCHD 24M FX	1920 x 1080 / 60i	10 min	20 min	40 min	1 hr 30 min	3 hr 0 min
AVCHD 17M FH	1920 x 1080 / 60i	10 min	30 min	1 hr 0 min	2 hr 0 min	4 hr 5 min
AVCHD 9M HQ	1440 x 1080 / 60i	25 min	50 min	1 hr 45 min	3 hr 35 min	7 hr 20 min
MP4 12M	1440 x 1080 / 30p	15 min	40 min	1 hr 20 min	2 hr 45 min	5 hr 30 min
MP4 6M	1280 x 720 / 30p	35 min	1 hr 15 min	2 hr 40 min	5 hr 20 min	10 hr 50 min
MP4 3M	640 x 480 / 30p	1 hr 10 min	2 hr 25 min	4 hr 55 min	9 hr 55 min	20 hr 0 min

8. Actual performance varies based on settings, environmental conditions, and usage. Battery capacity decreases over time and use.

5. 1GB equals 1 billion bytes, a portion of which is used for data management functions. Capacity will vary based on image recorded.

Main Features



	W610	W620	W650	W690	WX50	WX70	WX150	TX20	TX66	TX200V	H90	HX10V	HX20V	HX30V	HX200V
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IMAGING SENSOR

Super HAD™ CCD = CCD	CCD	CCD	CCD	CCD	-	-	-	-	-	-	CCD	-	-	-	-
Exmor® R CMOS = CMOS	-	-	-	-	CMOS	CMOS	CMOS	CMOS	CMOS	CMOS	-	CMOS	CMOS	CMOS	CMOS
Resolution	14.1	14.1	16.1	16.1	16.2	16.2	18.2	16.2	18.2	18.2	16.1	18.2	18.2	18.2	18.2

OPTICS

Lens	Sony	Sony	Zeiss	G Lens	Zeiss	Zeiss	G Lens	Zeiss	Zeiss	Zeiss	G Lens	G Lens	G Lens	G Lens	Zeiss
Optical Zoom	4x	5x	5x	10x	5x	5x	10x	4x	5x	5x	16x	16X	20X	20X	30X
Clear Image Zoom	-	-	-	-	10x	10x	20x	8x	10x	10x	-	32X	40X	40X	60X
Focal Length (35mm equivalent)	26-105mm	28-140mm	25-125mm	25-250mm	28-140mm	28-140mm	25-250mm	25-100mm	26-130mm	26-130mm	26-384mm	26-384mm	25-500mm	25-500mm	27-810mm

LCD DISPLAY

LCD Type	2.7" Clear Photo™	2.7" Clear Photo™	3.0" Clear Photo™	3.0" Clear Photo™	2.7" Clear Photo™	3.0" XtraFine LCD™	3.0" Clear Photo™	3.0" XtraFine LCD™	3.3" XtraFine LCD™ OLED	3.3" XtraFine LCD™ OLED w/TruBlack™	3.0" Clear Photo™	3.0" XtraFine LCD™	3.0" XtraFine LCD™ w/TruBlack™	3.0" XtraFine LCD™ w/TruBlack™	3.0" XtraFine LCD™ w/TruBlack™
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DRIVE SYSTEM

Burst Mode at Full Res	1 fps	1 fps	1 fps	1 fps	10 fps	10 fps	10 fps	10 fps	10 fps	10 fps	10 fps	10 fps	10 fps	10 fps	10 fps
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ADVANCED FEATURES

Embedded GPS	-	-	-	-	-	-	-	-	-	-	Yes	-	Yes	Yes	Yes
High-speed AF	-	-	-	-	-	-	Yes	-	Yes	Yes	-	Yes	Yes	Yes	Yes
Sweep Panorama™ 360	Yes	Yes	Yes	Yes	-	-	-	-	-	-	Yes	-	-	-	-
Intelligent Sweep Panorama HR	-	-	-	-	Yes	Yes	Yes	Yes	Yes	Yes	-	Yes	Yes	Yes	Yes
3D Sweep Panorama	-	-	-	-	Yes	Yes	Yes	Yes	Yes	Yes	-	Yes	Yes	Yes	Yes
3D Still Image	-	-	-	-	Yes	Yes	Yes	Yes	Yes	Yes	-	Yes	Yes	Yes	Yes
Image Stabilization SteadyShot™ (SS), Optical SteadyShot™ (OSS)	SS	SS	OSS	OSS	OSS w/ 2-way Active	OSS w/ 2-way Active	OSS w/ 2-way Active	OSS w/ 2-way Active	OSS w/ 2-way Active	OSS w/ 2-way Active	OSS w/ 2-way Active	OSS w/ 2-way Active	OSS w/ 2-way Active	OSS w/ 3-way Active	OSS w/ 3-way Active
Picture Effects	-	4 effects	4 effects	9 effects	9 effects	9 effects	9 effects	7 effects	9 effects	9 effects	4 effects	9 effects	9 effects	9 effects	9 effects
Background Defocus	-	-	-	-	Yes	Yes	Yes	Yes	Yes	Yes	-	Yes	Yes	Yes	Yes
Superior Auto	-	-	-	-	Yes	Yes	Yes	Yes	Yes	Yes	-	Yes	Yes	Yes	Yes
Tracking Focus	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

RECORDING

Video Format	640 x 480	1280 x 720	1280 x 720	1280 x 720	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1280 x 720	1920 x 1080	1920 x 1080	1920 x 1080
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INTERFACE

USB Charging	-	-	-	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	Yes	Yes	Yes
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Please visit the online training guide at
www.cyberscholar.com

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. Map service requires PC with internet. Service provided by Google and subject to change without notice.
5. 1GB equals 1 billion bytes, a portion of which is used for data management functions.
6. Requires an active 802.11 Wi-Fi network (802.11n recommended). Connection to PC or TV also requires one device on network to be setup as a DLNA server.
7. TransferJet™ enabled media (sold separately) and TransferJet technology required in both devices.
8. Actual performance varies based on settings, environmental conditions, and usage. Battery capacity decreases over time and use.
9. PlayMemories Software

Windows®

PlayMemories Home™ requires Windows® XP SP3* / Windows Vista SP2*** / Windows7 SP1

Available via download. Standard installation is required

* 64-bit editions and Starter (Edition) are not supported. The Windows Image Mastering API (IMAPI) Ver.2.0 or later is required to use the disc creation function.

*** Starter (Edition) is not supported.

Operation is not assured if the above OS has been upgraded or in a multi-boot environment.

Mac OS

PlayMemories Home™ is not supported by Mac OS

Music Transfer is compatible with Mac OS X**(v10.4-v10.7).

PlayMemories Online™ Uploader is compatible with Mac OS X**(v10.5-v10.7).

Available via download. Standard installation is required.

** Equipped with Intel processor

10. 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.
11. DVD media containing AVCHD™ footage may be played on a compatible Blu-Ray Disc™ player, PC with supplied software or Playstation® 3 devices. AVCHD media should not be used with standard DVD based players because it may fail to eject the disc and may erase its contents without warning.
12. When using TransferJet™ to transfer files to TV or digital photo frame TransferJet Station is required.

All TV reception, monitor pictures and print pictures are simulated.

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