2012 product guide
Cyber-shot® digital still cameras
Captures life. Complements lifestyle.
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.
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.

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.

**18.2 Megapixels Images**

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.
**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.

**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.

**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.
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!
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.
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 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.

**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.

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

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

**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.
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.

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.

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.

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.

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.

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.

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.
10 Frames Per Second Bursts

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.

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.

Dynamic Range Optimization (DRO) & DRO Plus

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.

High-Speed AF

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.
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.

**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. 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. 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

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!

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.

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.

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.

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

*Buysells 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.

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**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!
Retrace your steps.

GPS & Compass Mapping

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 software, 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.

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.

Plugging in to power.

USB Charging

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

Bringing it Home

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

• Vacationing 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.
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.
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 allows 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 3D — 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.

Photography in fast forward.

Lots of devices will take pictures. But few 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.
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.

T-Series
- DSC-TX20
- DSC-TX66
- DSC-TX200V

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.

H-Series
- 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.
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.
# Specifications

<table>
<thead>
<tr>
<th>GENERAL</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Camera Type</td>
<td>Compact zoom digital camera</td>
</tr>
<tr>
<td>Image Device</td>
<td>1/2.3” Super HAD CCD Sensor</td>
</tr>
<tr>
<td>Effective Pixel Resolution</td>
<td>14.1 MP</td>
</tr>
<tr>
<td>Processor</td>
<td>BIONZ®</td>
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</table>

<table>
<thead>
<tr>
<th>OPTICS &amp; LENS</th>
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<tbody>
<tr>
<td>Lens Type</td>
<td>Sony</td>
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<tr>
<td>Lens Construction</td>
<td>6 elements in 5 groups (including 3 aspherical elements)</td>
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<tr>
<td>Aperture Range</td>
<td>f 2.8-5.9</td>
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<tr>
<td>Focal Length (33mm Equivalency)</td>
<td>Still 16:9: 28–114mm/Still 4:3: 26–105mm/Movie 4:3: 26–105mm</td>
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<tr>
<td>Optical Zoom</td>
<td>4x</td>
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<tr>
<td>Digital Zoom</td>
<td>8x</td>
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<table>
<thead>
<tr>
<th>LCD &amp; VIEWFINDER</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LCD Type</td>
<td>2.7” Clear Photo™ LCD (230K dots)</td>
</tr>
<tr>
<td>Viewfinder</td>
<td>None</td>
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<tr>
<td>Media Slot</td>
<td>MS Duo and SD/SDHC/SDXC Compatible</td>
</tr>
<tr>
<td>Stills Images</td>
<td>16:9 mode: 11M (4,302 x 2,432)/2M (1,920 x 1,080)</td>
</tr>
<tr>
<td></td>
<td>4:3 mode: 14M (4,320 x 3,240)/10M (3,648 x 2,736)/SM (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)</td>
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<tr>
<td>Video</td>
<td>VGA (640 x 480/30fps)/QVGA (320 x 240/30fps)</td>
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<tr>
<td>Microphone/Speaker</td>
<td>Mono/Mono</td>
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<table>
<thead>
<tr>
<th>FOCUS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Focus</td>
<td>Multi Point AF/Center Weighted AF/Spot AF</td>
</tr>
<tr>
<td>Intelligent Auto Focus</td>
<td>–</td>
</tr>
<tr>
<td>Macro Mode</td>
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</tr>
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<table>
<thead>
<tr>
<th>EXPOSURE</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Exposure Metering</td>
<td>Multi Pattern/Center Weighted/Spot</td>
</tr>
<tr>
<td>Exposure Compensation</td>
<td>Plus/Minus 0.2/0.3EV step</td>
</tr>
<tr>
<td>ISO</td>
<td>Auto/80/100/200/400/800/1600/3200</td>
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<tr>
<td>Backlight Correction HDR</td>
<td>Standard/Plus/Off</td>
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<tr>
<td>Dynamic Range Optimizer</td>
<td>Auto (Highlight)/Daylight/Cloudy/Fluorescent 1 (White Fluorescent Lighting)/Fluorescent 2 (Natural White Fluorescent Lighting)/Fluorescent 3 (Day White Fluorescent Lighting)/Incandescent/Flash</td>
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<tr>
<td>White Balance</td>
<td>Auto (Highlight)/Daylight/Cloudy/Fluorescent 1 (White Fluorescent Lighting)/Fluorescent 2 (Natural White Fluorescent Lighting)/Fluorescent 3 (Day White Fluorescent Lighting)/Incandescent/Flash</td>
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<th>SHUTTER</th>
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<tr>
<td>Shutter Speed</td>
<td>iAuto (1/8–1/1,600)/Program Auto (1”–1/1,600)</td>
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<tr>
<td>Burst Mode</td>
<td>Approx 1 fps at 14.1MP (Maximum 100 shots)</td>
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<table>
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<th>FLASH</th>
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</thead>
<tbody>
<tr>
<td>Flash Type</td>
<td>Built-in Flash</td>
</tr>
<tr>
<td>Flash Effective Range</td>
<td>ISO Auto: Approx. 0.3m–3.5m (0.98’–11.48’)(W)/ Approx. 0.6m–1.8m (1’–5.9’)(T), ISO3200: up to Approx. 0.1m (3.23’)(W)/Approx. 0.7m (12.1’)(T)</td>
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<tr>
<td>Flash Mode</td>
<td>Auto/Flash On/Slow Synchro/Flash Off</td>
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<table>
<thead>
<tr>
<th>FEATURES</th>
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<tbody>
<tr>
<td>Scene Modes</td>
<td>High Sensitivity/Soft snap/Landscape/twilight</td>
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<tr>
<td>Image Stabilization</td>
<td>Portrait/Twilight/Gourmet/Beach/Snow/Pet mode</td>
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<td>GPS</td>
<td>SteadyShot® Image Stabilization</td>
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<tr>
<td>Panorama</td>
<td>Sweep Panorama/Sweep Panorama (360°)</td>
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<tr>
<td>Multi-shot layering</td>
<td>–</td>
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<tr>
<td>Intelligent Auto</td>
<td>–</td>
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<tr>
<td>Intelligent Scene Recognition</td>
<td>–</td>
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<tr>
<td>Face Detection</td>
<td>Yes</td>
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<tr>
<td>Blink Detection</td>
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</tr>
<tr>
<td>Smile Shutter® Mode</td>
<td>Yes</td>
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<tr>
<td>Self-timer</td>
<td>Off/10sec./2sec./portrait1/portrait2</td>
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<tr>
<td>In-Camera Editing</td>
<td>Trimming/Red Eye Correction</td>
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<tr>
<td>Transcend® Technology</td>
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<td>Tracking Focus</td>
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<td>USB</td>
<td>Multi (AV/USB), Hi-Speed USB (USB2.0)</td>
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<tr>
<td>Supplied Battery</td>
<td>LITHIUM ION NP-BN 3.6V</td>
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<td>Battery Life (Approx.)</td>
<td>125 minutes</td>
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<tr>
<td>Number of Images (Approx.)*</td>
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<th>DIMENSIONS</th>
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<tr>
<td>Dimensions (Approx.)</td>
<td>3 3/4 x 2 1/8 x 25/32” (92.9 x 52.4 x 19.3mm)</td>
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<td>Weight (Approx.)</td>
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<th>SOFTWARE</th>
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<tr>
<td>Software for download</td>
<td>PlayMemories Home™ for PC</td>
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<tr>
<td>Music Transfer for PC and Mac®</td>
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<th>SERVICE &amp; WARRANTY</th>
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<tr>
<td>Limited Term Warranty</td>
<td>Limited 1 year parts and labor</td>
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<th>SUPPLIED ACCESSORIES</th>
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<td>Battery</td>
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<tr>
<td>Battery Charger</td>
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<td>A/V Cable</td>
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<tr>
<td>USB Cable</td>
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<tr>
<td>Multi-Connector Cable (A/V/USB)</td>
<td>Yes</td>
</tr>
<tr>
<td>Wrist Strap</td>
<td>Yes</td>
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<tr>
<td>Paint Pen</td>
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</tbody>
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**FOOTNOTES**

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.
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
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.
## 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 (35mm 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 1,920/2880 x 720 (1,280 x 720/30fps)/VGA (640 x 480/30fps)/QVGA (320 x 240/30fps)
- **Video**: 1280 x 720 (1,280 × 720/30fps)/VGA (640 x 480/30fps)/QVGA (320 x 240/30fps)
- **Microphone/Speaker**: Mono/Mono

### FOCUS
- **Focus**: Multi Point AF/Center Weighted AF/Tracking Focus/Face Tracking 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**: Standard/Plus/Off
- **Dynamic Range Optimizer**: Auto (Intelligent)/Daylight/Cloudy/Fluorescent 1 (White Fluorescent Lighting)/Fluorescent 2 (Natural White Fluorescent Lighting)/Fluorescent 3 (Day White Fluorescent Lighting)/Incandescent/Flash
- **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
- **Shutter Speed**: iAuto (2” -1/2000)/Program Auto (2” -1/2000)
- **Burst Mode**: Approx 1.1 fps at 14.1MP (Maximum 100 shots)
- **Flash Type**: Built-in Flash
- **Flash Effective Range**: Auto/Flash On/Slow Synchro/Flash Off

### FEATURES
- **Scene Modes**: High Sensitivity/Soft snap/Soft skin/Landscape/Night Portrait/Night Scene/Gourmet/Beach/Snow/Parl 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
- **Smile Detection**: –
- **Self-timer**: Off/10sec./2sec./portrait1/portrait2
- **In-Camera Editing**: Trimming/Red Eye Correction/Unsharp Masking
- **Tracking Focus**: Off/Auto

### INPUTS & OUTPUTS
- **USB**: Multi (AV/USB), Hi-Speed USB (USB2.0)
- **SD Video**: 4:3

### POWER
- **Supplied Battery**: LITHIUM ION NP-BN 3.6V
- **Battery Capacity**: 110 minutes

### DIMENSIONS
- **Weight**: 4.1 oz. (116g)
- **Weight (Approx.)**: 4.1 oz. (116g)

### SOFTWARE
- **Limited Term Warranty**: Limited 1 year parts and labor

### SUPPLIED ACCESSORIES
- **Battery**: LITHIUM ION NP-BN 3.6V (NP-BN)
- **Battery Charger**: Yes
- **A/V Cable**: –
- **USB Cable**: –
- **Multi-Connector Cable (A/V/USB)**: Yes
- **Wrist Strap**: Yes
- **Paint Pen**: –

### FOOTNOTES
1. Recording limited to 29 minute segments
2. Actual performance varies based on settings, environmental conditions, and usage.
3. 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.

Sweep Panorama™ mode
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.
## Specifications

### GENERAL
- **Camera Type:** Compact zoom digital camera
- **Image Device:** 1/2.3” Super HAD CCD Sensor
- **Effective Pixel Resolution:** 16.1MP
- **Processor:** BIONZ®

### OPTICS & LENS
- **Lens Type:** Carl Zeiss® Vario-Tessar®
- **Lens Construction:** 6 elements in 5 groups (including 3 aspherical elements)
- **Aperture Range:** f 2.6-6.3
- **Focal Length (35mm Equivalency):**
  - Still: 28-140mm
  - Movie: 29-145mm (SteadyShot Standard), 30-156mm (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° (11,520×1,080)/Wide (7,152 x 1,080/4,912 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)
- **Microphone/Speaker:** Mono/Mono

### FOCUS
- **Focus:** Multi Point AF/Center Weighted AF/Spot AF/Face Tracking 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:** Standard/Plus/Off
- **Dynamic Range Optimizer:** 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:**
  - 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 1 fps at 16.1MP (Maximum 100 shots)
- **Flash Type:** Built-in Flash
  - 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), 190/3200 up to Approx. 7.3 m (23’ 11 1/2”)(W)/Approx. 3.1m (10’ 2 1/8”)(T)
- **Flash Effective Range:**
  - Auto/Flash On/Slow Sync/Red-Eye Reduction/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:** Yes
- **Blink Detection:** Yes
- **Smile Shutter™ Mode:** Yes
- **Self-timer:** Off/10sec./2sec./portrait1/portrait2
- **In-Camera Editing:** Trimming/Red Eye Correction/Unsharp Masking
- **Translucent™ Technology:** –
- **Tracking Focus:** Off/Auto

### INPUTS & OUTPUTS
- **USB:** –
- **HD Video:** Composite
- **SD Video:** 4:3

### POWER
- **Supplied Battery:** LITHIUM ION NP-BN 3.6V
- **Battery Life (Approx.):** 110 minutes
- **Number of Images (Approx.):** 220

### DIMENSIONS
- **Dimensions (Approx.):** 3.3/4 x 2 1/4 x 3/4” (94 x 56 x 19.1mm)
- **Weight (Approx.):** 4.4 oz. (124g)

### 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:** –
- **USB Cable:** –
- **Multi-Connector Cable (A/V/USB):** –
- **Wrist Strap:** –
- **Paint Pen:** –

### FOOTNOTES
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.
Compact camera with 10x Optical Zoom
Brings distant subjects closer for great outdoors, sports and travel photos.

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. 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.

Sweep Panorama™ mode
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.

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.

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

### General
- **Camera Type**: Compact zoom digital camera
- **Image Device**: 1/2.3" Super HAD CCD Sensor
- **Effective Pixel Resolution**: 16.1MP
- **Processor**: BIONZ®

### Optics & Lens
- **Lens Type**: Sony G
- **Lens Construction**: 9 elements in 7 groups (including 4 aspherical elements)
- **Aperture Range**: f 3.3-5.9
- **Focal Length (35mm 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
- **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: 7,152 x 1,080 (235deg)/4,912 x 1,080 (161deg)/4,912 x 1,920 (161deg)/3,424 x 1,920 (112deg)
- **Video**
  - 1280 x 720 (Fine)(1,280 x 720/30fps)
  - 1280 x 720 (Standard )(1,280 x 720/30fps)/VGA (640 x 480/30fps)
- **Microphone/Speaker**: Mono/Mono
- **Focus**
  - Multi Point AF/Central Weighted AF/Spot AF/Tracking Focus/Face Tracking Focus
  - Intelligent Auto Focus
  - Macro Mode
- **Exposure Metering**
  - Multi Pattern/Center Weighted/Spot
- **Exposure Compensation**
  - ISO
  - Backlight Correction HDR
  - Dynamic Range Optimizer
- **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/On-Push

### Shutter
- **Shutter Speed**
  - Burst Mode: Auto (2-3/16000)/Program Auto (1”-1/16000)
  - Approx 1 fps at 16.1MP (Maximum 100 shots)
- **Flash Type**: Built-in Flash
- **Flash Effective Range**
  - ISO Auto: Approx. 0.2–Approx. 3.7m (Approx. 0.66–Approx. 12”) (W)/Approx. 1.0–Approx. 13m (Approx. 3.2’–Approx. 4.29’), ISO3200: Up to Approx. 7.3m (Approx. 24’)(W)/up to Approx. 3.1m (Approx. 10.2’) (T)
  - Flash Mode: Auto/Flash Off/Slow Synchro/Flash Off
  - **FLASH**

### Features
- **Scene Modes**
- **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
  - Intelligent Scene Recognition
- **Face Detection**
  - 8 Faces (Auto/Off/Child Priority/Adult Priority/Key Selected Face Memory)
  - Blink Detection
  - Smile Shutter™ Mode
- **Self-timer**
  - Off/10sec./2sec./portrait1/portrait2
  - In-Camera Editing
  - Trimming/Red Eye Correction/Unsharp Masking
  - Tracking Focus
  - Off/Auto

### Inputs & Outputs
- **USB**
  - Multi (AV/USB), Hi-Speed USB (USB2.0)
- **HD Video**
  - Composite
  - SD Video
  - 4:3

### Power
- **Supplied Battery**: LITHIUM ION NP-BN 3.6V
- **Battery Life (Approx.)**: 110 minutes
- **Number of Images (Approx.)**: 220
- **Dimensions (Approx.)**: 3.3/4 x 2 1/4 x 7/8” (94.3 x 56.1 x 21.7mm)
- **Weight (Approx.)**: 5.0 oz (142g)

### Software
- **Supplied Software for download**: PlayMemories Home™ for PC/Music Transfer for PC and Mac®

### Service & Warranty
- **Limited Term Warranty**: Limited 1 year parts and labor

### Supported Accessories
- **Battery**: LITHIUM ION NP-BN 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
2. Actual performance varies based on settings, environmental conditions, and usage.
3. Battery capacity decreases over time and use.
Expanding 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. 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.

**Low-light Demo**
Scan QR code with your smartphone to view Low-light video.
## Specifications

### GENERAL

<table>
<thead>
<tr>
<th>Feature</th>
<th>Black/White</th>
</tr>
</thead>
<tbody>
<tr>
<td>Camera Type</td>
<td>Compact zoom</td>
</tr>
<tr>
<td>Image Device</td>
<td>1/2.3” Exmor® R CMOS Sensor</td>
</tr>
<tr>
<td>Effective Pixel Resolution</td>
<td>16.2MP</td>
</tr>
<tr>
<td>Processor</td>
<td>BIONZ®</td>
</tr>
</tbody>
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### OPTICS & LENS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Black/White</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lens Type</td>
<td>Carl Zeiss® Vario-Tessar®</td>
</tr>
<tr>
<td>Lens Construction</td>
<td>6 elements in 5 groups</td>
</tr>
<tr>
<td>Aperture Range</td>
<td>f 2.6-6.3</td>
</tr>
<tr>
<td>Focal Length (35mm Equivalency)</td>
<td>30.150mm (Optical SteadyShot Active)</td>
</tr>
<tr>
<td>Optical Zoom</td>
<td>5x</td>
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<tr>
<td>Digital Zoom</td>
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### LCD & VIEWFINDER

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<tr>
<th>Feature</th>
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<tbody>
<tr>
<td>LCD Type</td>
<td>2.7” Clear Photo™ LCD (460K dots)</td>
</tr>
<tr>
<td>Viewfinder</td>
<td>None</td>
</tr>
<tr>
<td>Media Slot</td>
<td>MS Duo and SD/SDHC/SDXC Compatible</td>
</tr>
<tr>
<td>Still Images</td>
<td>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 (3,248 x 2,376)/8M (2,592 x 1,944)/VGA; Panorama modes: HR (10,480 x 4,096)/Wide (7,680 x 1,080)/4:3 (6,400 x 4,800)/Standard (4,912 x 1,080)/3,240 x 2,432</td>
</tr>
<tr>
<td>Video</td>
<td>AVC HD: 24M FX/ 17M FH: 29.1 x 1,080/19M HQ: 1,440 x 1,080/MP4: 12M (1,280 x 720/30fps)/ 3M VGA: 640 x 480</td>
</tr>
<tr>
<td>Microphone/Speaker</td>
<td>Stereo/Mono</td>
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### FOCUS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Black/White</th>
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</thead>
<tbody>
<tr>
<td>Focus</td>
<td>Multi Point AF/Center Weighted AF/Spot AF/Face Tracking Focus</td>
</tr>
<tr>
<td>Intelligent Auto Focus</td>
<td>Yes/No</td>
</tr>
<tr>
<td>Macro Mode</td>
<td>Yes/No</td>
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### EXPOSURE

<table>
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<tr>
<th>Feature</th>
<th>Black/White</th>
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<tbody>
<tr>
<td>Exposure Metering</td>
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<tr>
<td>Exposure Compensation</td>
<td>Plus/Minus 2.0EV (1/3EV step)</td>
</tr>
<tr>
<td>ISO</td>
<td>Auto/100/200/400/800/1600/3200/6400/12800</td>
</tr>
<tr>
<td>Backlight Correction HDR</td>
<td>Standard</td>
</tr>
<tr>
<td>Dynamic Range Optimizer</td>
<td>Auto (Intelligent)/Daylight/Cloudy/Fluorescent 1 (White Fluorescent Lighting)/Fluorescent 2 (Natural White Fluorescent Lighting)/Fluorescent 3 (Day White Fluorescent Lighting)/Fluorescent 4 (Cloudy White Fluorescent Lighting)/Fluorescent 5 (Flash One Push, One Push Set)/Underwater</td>
</tr>
<tr>
<td>White Balance</td>
<td>Yes/No</td>
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### SHUTTER

<table>
<thead>
<tr>
<th>Feature</th>
<th>Black/White</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shutter Speed</td>
<td>Auto (1/3-1/6000)/Program Auto (1/3-1/6000)</td>
</tr>
<tr>
<td>Burst Mode</td>
<td>Approx. 10 fps at 16.2MP (Maximum 10 shots)</td>
</tr>
<tr>
<td>Flash Type</td>
<td>Built-in Flash</td>
</tr>
<tr>
<td>Flash Effective Range</td>
<td>ISO Auto: Approx. 0.2m-3.3m (7 7/8”-11” 4/3”) (W)/Approx. 10m-2.2m (3 3/8”-7 5/8”) (T) ISO3200: up to Approx. 7.5m (24’ 7 3/8”) (W)/Approx. 3.2m (10’ 4”)</td>
</tr>
<tr>
<td>Flash Mode</td>
<td>Auto/Flash On/Slow Syncro/Flash Off</td>
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### INPUTS & OUTPUTS

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<tr>
<th>Feature</th>
<th>Black/White</th>
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</thead>
<tbody>
<tr>
<td>Supplied Battery</td>
<td>LITHIUM ION NP-BN 3.6V</td>
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<tr>
<td>Battery Life (Approx.)</td>
<td>120 minutes</td>
</tr>
<tr>
<td>Number of Images (Approx.)</td>
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### POWER

<table>
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<tr>
<th>Feature</th>
<th>Black/White</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (Approx.)</td>
<td>3.3/4 x 2 1/8 x 25/32” (92.2 x 52.0 x 19.1mm)</td>
</tr>
<tr>
<td>Weight (Approx.)</td>
<td>4.1 oz. (117g)</td>
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### SOFTWARE

<table>
<thead>
<tr>
<th>Feature</th>
<th>Black/White</th>
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</thead>
<tbody>
<tr>
<td>Software for download</td>
<td>PlayMemories Home™ for PC</td>
</tr>
<tr>
<td>Music Transfer for PC and Mac®</td>
<td>Music Transfer for PC and Mac®</td>
</tr>
</tbody>
</table>

### SERVICE & WARRANTY

<table>
<thead>
<tr>
<th>Feature</th>
<th>Black/White</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limited Term Warranty</td>
<td>Limited 1 year parts and labor</td>
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</table>

### SUPPLIED ACCESSORIES

<table>
<thead>
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<th>Feature</th>
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</thead>
<tbody>
<tr>
<td>Battery Charger</td>
<td>AC Adaptor AC-UB10</td>
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<tr>
<td>A/V Cable</td>
<td>-</td>
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<tr>
<td>USB Cable</td>
<td>-</td>
</tr>
<tr>
<td>Multi-Connector Cable (A/V/USB)</td>
<td>-</td>
</tr>
<tr>
<td>Wrist Strap</td>
<td>Yes/No</td>
</tr>
<tr>
<td>Paint Pen</td>
<td>-</td>
</tr>
</tbody>
</table>

### FOOTNOTES

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

**3.0" LCD touch-screen**
The 3.0" Xtra Fine LCD™ (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.

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

**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.

**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.

**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.

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.
# Specifications

**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**: –
- **Focal Length (33mm Equivalency)**:
  - 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)
- **Optical Zoom**: 5x
- **Digital Zoom**: 10x

**LCD & Viewfinder**
- **LCD Type**: 3.0” Xtra Fine LCD™ Touch-screen display (921K dots)
- **Viewfinder**: None

**Recording**
- **Media Slot**: MS Duo and SD/SDHC/SDXC Compatible
- **Still Images**:
  - 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: HR (10,480 x 4,096), Wide (7,152 x 1,080), Standard (4,912 x 1,080)
- **Video**:
  - AVCHD 60i: 24M FX/17M FH (1,920 x 1,080/60i), 9M HQ (1,440 x 1,080/30fps)
  - 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**
- **Focus**: Multi Point AF/Center Weighted AF/Spot AF/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/100/200/400/800/1600/3200/6400/12800
- **Dynamic Range Optimizer**: Standard
- **Backlight Correction HDR**: Auto (Intelligent)/Daylight/Cloudy/Fluorescent 1 (White Fluorescent Lighting)/Fluorescent 2 (Natural White Fluorescent Lighting)/Fluorescent 3 (Day White Fluorescent Lighting)/In-cabinet/Flash/White Balance
- **One Push, One Push Set, Underwater

**Shutter**
- **Shutter Speed**: iAuto (4”–1/1600), Program Auto (1”–1/1600)
- **Burst Mode**: Approx. 10 shots at 16.2MP (Maximum 10 shots)
- **Flash Type**: Built-in Flash
- **Flash Effective Range**: ISO Auto: Approx. 0.2m–5.3m (7 7/8”–17’ 4 3/4”), ISO2000: up–Approx. 1.0m (3’ 3 3/8”)
- **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
- **GPS**: Optical SteadyShot™ image stabilization with Active Mode
- **Panorama**: Intelligent Sweep Panorama, 3D Sweep Panorama
- **Picture Effects**: HDR Painting, Richtone Monochrome, Miniature, Toy camera, Pop Color, Partial Color, Soft High-key, Watercolor, Illustration

**Inputs & Outputs**
- **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.)**: 120 minutes
- **Number of Images (Approx.)**: 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 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

**Footnotes**
1. Records in 9 minute segments.
2. Requires HDV and HDMI cable sold separately.
3. Requires 3D HDTV, HDMI cable (least 10.2 Gbps) and active 3D glasses sold separately.
5. 1GB equals 1 billion bytes, a portion of which is used for data management functions.
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.
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.

18.2MP Exmor® R CMOS sensor
Enables advanced processing that reduces noise levels, resulting in stunning low-light images with incredible details.

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.

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.

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.

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
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.
### Specifications

#### GENERAL
- **Camera Type**: Compact 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**: 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 16:9: 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
- **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 × 3,672)/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)
- **Microphone/Speaker**: Stereo/Mono

#### FOCUS
- **Focus**: Multi Point AF/Center Weighted AF/Spot AF/Tracking Focus/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/100/200/400/800/1600/3200/6400/12800
- **Backlight Correction HDR**: Standard
- **Dynamic Range Optimizer**: Off/On
- **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 (4”–1/160 0)/Program Auto (1”–1/1600)
- **Burst Mode**: Approx 10 fps at 18.2MP (Maximum 10 shots)
- **Flash Type**: Built-in Flash
- **Flash Effective Range**: ISO Auto: Approx. 0.2m-3.7m (7 7/8”-12 1/4”) (W)/Approx. 1.6m-2.2 m (6’1”-7 2/5”) (T), ISO1600: up to Approx. 0.9m (3’1”)/ISO 3200: up to Approx. 0.5m (1’10”)
- **Flash Mode**: Auto/Flash/Off 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)
- **Image Stabilization**: Optical SteadyShot™ image stabilization with Active Mode
- **GPS**: Intelligent Sweep Panorama/3D Sweep Panorama/Underwater Sweep Panorama (when used with underwater housing)
- **Panorama**: HDR Painting /Rich Tone Monochrome /Miniature /Toy camera /Pop Color /Partial Color /Soft High-key /Watercolor /Illustration
- **Picture Effects**: 
  - Photo Creativity
  - Multi-shot layering
  - Intelligent Auto
  - Intelligent Scene Recognition
  - Face Detection
  - Blink Detection
  - Smile Shutter® Mode

#### INPUTS & OUTPUTS
- **USB**: Micro USB, Hi-Speed USB (USB2.0)
- **HD Video**: Mini HDMI®
- **Supplied Battery**: LITHIUM ION NP-BN 3.6V
- **Battery Life (Approx.)**: 120 minutes
- **Number of Images (Approx.)**: 24D

#### DIMENSIONS
- **Dimensions**: 3.3/4 x 2 1/4 x 7/8” (94.7 x 56.4 x 21.6mm )
- **Weight (Approx.)**: 4.7 oz. (133g)

#### SERVICE & WARRANTY
- **Limited Term Warranty**: Limited 1 year parts and labor

#### SOFTWARE
- **Software for download**: PlayMemories Home™ for PC
- **Music Transfer**: for PC and Mac®

#### FOOTNOTES
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

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. 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.

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

**Low-light Demo**
Scan QR code with your smartphone to view Low-light video.
## Specifications

### 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)/AMR:12M (1,440 x 1,080/30fps)/6M (1,280 x 720/30fps)/3M VGA (640 x 480/30fps)
  - Microphone/Speaker: Stereo/Mono

### Focus
- **Focus**: Multi Point AF/Center Weighted AF/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/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 Set/Underwater

### Shutter
- **Shutter Speed**: iAuto (0.8"-1/16000)/Program Auto (1"-1/16000)
- **Burst Mode**: Approx 10 fps at 16.2MP (Maximum 10 shots)
- **Flash Type**: Built-in Flash
  - ISO Auto: Approx. 0.08m-3.7m (3.14' x 12' 3/4") (W)/Approx. 0.5m-2.7m (7' 4" x 8' 10") (T)
  - ISO3200: up to Approx. 9.2m (30' 3")/Approx. 3.8m (12' 5"/9' 11")
- **Flash Effective Range**: 
- **Flash Mode**: Auto/Flash On/Slow Sync/Flash Off

### Features
- **Scene Modes**: High Sensitivity/Soft Snap/Soft Skin/Landscape/Handheld Twilight/Gourmet/Beach/Snow/Fireworks/Art/Pint Mode/Anti-Motion blur/Backlight Correction HDR/Hi-speed Shutter/Underwater
- **Image Stabilization**: Optical SteadyShot® image stabilization with Active Mode
- **GPS**: Intelligent Sweep Panorama/3D Sweep Panorama/Underwater Sweep Panorama
- **Multi-shot layering**: –
- **Picture Effects**: HDR Painting / Richtone Monochrome / Miniature / Toy camera / Pop Color / Partial Color / Soft High-key
- **Waterproof/Dustproof/Shockproof**: Yes / Yes / Yes
- **Photo Creativity**: Yes
- **Intelligent Auto**: Background Defocus
- **Intelligent Scene Recognition**: Yes
- **Face Detection**: 8 Faces (Auto/Off/Child Priority/Adult Priority/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
- **Interleaved Technology**: Send: Yes, Receive: Yes
- **Tracking Focus**: Off/Auto

### Inputs & Outputs
- **USB**: Multi Type3b (AV/USB/DC In), Hi-Speed SB (USB2.0)
- **HD Video**: Micro HDMI®
- **SD Video**: –

### Power
- **Supplied Battery**: LITHIUM ION NP-BN 3.6V
- **Battery Life (Approx.)**: 125 minutes
- **Number of Images (Approx.)**: 350

### Dimensions
- Dimensions (Approx.): 3.7/8 x 2 x 1.43/4" (95.9 x 56.2 x 17.9mm)
- **Weight (Approx.)**: 4.7 oz (133g)

### 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**: –
- **Multi-Connector Cable (A/V/USB)**: Yes
- **Wrist Strap**: Yes
- **Paint Pen**: Yes
- **CD ROM**: –

### Footnotes
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 kit separately and TransferJet technology required in both devices.
8. Actual performance varies based on settings, environmental conditions, and usage.
10. Waterproof certified to IEC60529 IPX8 standard, shock-proof certified to IEC60529 IP65 standard.
11. Battery capacity decreases over time and use.
12. Waterproof certified to IEC60529 IPX8 standard, shock-proof certified to IEC60529 IP65 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.² 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

#### 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 (35mm Equivalency)**:
  - Still: 16:9: 28-140mm/Still 4:3: 25-130mm (SteadyShot Standard), 30-150mm (SteadyShot Active)
  - Movie 16:9: 28-140mm (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 × 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
- **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
  - Macro Mode

#### EXPOSURE
- **Exposure Metering**: Multi Pattern/Center Weighted/Spot
- **Exposure Compensation**: Plus/Minus 2.0EV, 1/3EV step
- **ISO**: Auto/80/100/200/400/600/1600/3200/6400/12800
- **Backlight Correction HDR**: Standard
- **Dynamic Range Optimizer**: 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**: Auto

#### SHUTTER
- **Shutter Speed**:
  - Burst Mode: Approx 10 fps at 18.2MP (Maximum 10 shots)
- **Flash Type**: Built-in Flash
- **Flash Effective Range**:
  - ISO Auto: Approx. 0.08m–3.7m (3 1/4”–12 1/4”)
  - (W)/Approx. 0.6m–2.6m (11 5/8”–8 3/4” (T)), ISO3200: up to Approx. 5.2m (17 3/4” (W)/Approx. 3.7m (12 1/2” (T))
- **Flash Mode**: Auto/Flash On/Slow Synchro/Flash Off

#### INPUTS & OUTPUTS
- **USB**: Multi Type3b (AV/USB/DC IN), Hi-Speed USB (USB2.0)
- **HD Video**: Micro HDMI®

#### POWER
- **Supplied Battery**: LITHIUM ION NP-BN 3.6V
- **Battery Life (Approx.)**: 125 minutes
- **Number of Images (Approx.)**: 250

#### DIMENSIONS
- **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
- **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
- **Wrist Strap**: Yes
- **Paint Pen**: Yes

#### SOFTWARE
- **System Software for download**: PlayMemories Home™ for PC

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

#### NOTES
- Battery capacity decreases over time and use.
- Supplied with Micro HDMI®.
- HDTV and HDMI cable sold separately.
- 3D HDTV, HDMI cable, and active 3D glasses sold separately.
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 1080. This provides stunning, fast motion video with less distortion for playback on your HDTV. 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.

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.
## 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: 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)
- **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)
- **Microphone/Speaker**: Stereo/Mono

### Focus
- **Focus**: Multi Point AF/Center Weighted AF/Spot AF/Tracking Focus/Tracking Focus (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/64/100/200/400/800/1600/3200/6400/12800
- **Backlight Correction HDR**: Standard
- **Dynamic Range Optimizer**: 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”–1/160 s)/Program Auto (1”–1/1600)
- **Burst Mode**: Approx. 10 fps at 18.2MP (Maximum 10 shots)
- **Flash Type**: Built-in Flash
- **ISO**: Auto: Approx. 0.08s-3.1m (3 1/4"–10 2 1/8"
  - W/Approx. 0.6m-2.3m (11 5/8"–7 6 5/8") (T), ISO200: up to Approx. 6.1m (20 1/4"
  - W/Approx. 4.6m (15 1/8") (T)
- **Flash Effective Range**: –
- **Flash Mode**: Auto/Flash On/Slow Synchro/Flash Off

### Flash
- **Effective Flash Range**:

### Software
- **Supplied Software for download**: PlayMemories Home™ for PC and Mac®
- **SD Card**: Micro USB, Hi-Speed USB (USB2.0)
- **SD Video**: Micro HDMI®
- **USB**: Micro HDMI®
- **Inputs & Outputs**: Micro USB, Hi-Speed USB (USB2.0)
- **HD Video**: Micro HDMI®
- **Power**: LITHIUM ION NP-BN 3.6V
- **Battery Life (Approx.)**: 110 minutes
- **Number of Images (Approx.)**: 220
- **Dimensions (Approx.)**: 3 7/8 x 2 3/8 x 2 1/32" (95.5 x 58.3 x 16.0mm)
- **Weight (Approx.)**: 4.6 oz. (129g)
- **Limited Term Warranty**: Limited 1 year parts and labor

### Battery
- **Battery**: LITHIUM ION NP-BN 3.6V (NP-BN)
- **Battery Charger**: Yes, AC Adaptor AC-UB10
- **A/V Cable**: –
- **USB Cable**: Micro USB Cable

### Accessory
- **Multi Connector Cable (A/V/USB)**: –
- **Wrist Strap**: Yes
- **Paint Pen**: Yes
- **Cleaning Cloth**: Yes

### Accessories
- **Footnotes**:
  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.
  4. 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.

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
(upto 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.

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.
### 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®

**OPTICS & LENS**
- **Lens Type**: Sony G
- **Lens Construction**: 10 elements in 7 groups (including 4 aspherical elements)
- **Aperture Range**: 3.3-5.9
- **Focal Length (23mm 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: 31–486mm (SteadyShot Standard), 32–470mm (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
- **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:
    - Sweep Panorama: 360° (11,520 x 1,080)/Wide (7,152 x 1,080)/1,120 x 1,920/Standard (4,912 x 1,080)
- **Video**:
  - 1280x720 (Fine)(1,280 x 720/30fps)/ 1280 x 720(Standard )(1,280 x 720/30fps)/ VGA (640 x 480/30fps)
- **Microphone/Speaker**: Mono/Mono

**FOCUS**
- **Focus**: Multi Point AF/Center Weighted AF/Spot AF/ Tracking Focus/Face Tracking 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**: Standard/Plus/Off
- **Dynamic Range Optimizer**: Auto (Intelligent)/Daylight/Cloudy/Fluorescent 1 (White Fluorescent Lighting)/Fluorescent 2 (Natural White Fluorescent Lighting)/Fluorescent 3 (Day White Fluorescent Lighting)/Incandescent/Flash/ One-Flash, One-Flash Set
- **White Balance**: –

**SHUTTER**
- **Shutter Speed**: iAuto (2"–1/1600)/Program Auto (1"–1/1600)
- **Burst Mode**: Approx 1 fps at 16.1MP (Maximum 100 shots)

**FLASH**
- **Flash Type**: Built-in Flash
- **Flash Effective Range**: 0.3m–3.7m (11.8"–12’ 1 3/4") (W)/Approx. 1m–2.1m (3’ 11 1/4"–6’ 10 3/4") (T), ISO3200 up to Approx. 7.3m (23’ 1 1/2") (W)/ Approx. 4.5m (15’ 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/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
- **Self-Timer**: Off/10sec./2sec./portrait/Portrait2
- **In-Camera Editing**: Trimming/Red Eye Correction/Unsharp Masking
- **Transfersk™ Technology**: –
- **Tracking Focus**: Off/Auto

**INPUTS & OUTPUTS**
- **USB**: Multi (AV/USB), Hi-Speed USB (USB2.0)
- **SD Video**: Composite
- **3.3V**: 4.3

**POWER**
- **Supplied Battery**: LITHIUM ION NP-BG1 3.6V
- **Battery Life**: (Approx.) 145 minutes
- **Number of Images (Approx.)***: 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
- **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. 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

**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**: 10 elements in 7 groups
- **Aperture Range**: f 3.3-5.9
- **Focal Length (35mm Equivalency)**:
  - Still 16:9: 26-416mm
  - Still 4:3: 25-400mm
  - Movie 16:9: 25-400mm (SteadyShot Standard), 26-546mm (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 × 2,752)/2M (1,920 x 1,080)
  - 4:3 mode: 18M (4,896 × 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
- **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
- **Microphone/Speaker**: Stereo/Mono

**FOCUS**
- **Focus**: Multi Point AF/Center Weighted AF/Spot AF/Tracking Focus/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/100/200/400/800/1600/3200/6400/12800
- **Backlight Correction HDR**: Standard
- **Dynamic Range Optimizer**: Auto (Intelligent)/Daylight/Cloudy/Fluorescent 1 (White Fluorescent Lighting)/Fluorescent 2 (Natural White Fluorescent Lighting)/Fluorescent 3 (Day Light)/White Fluorescent Lighting/Incandescent/On Push, One Push Set
- **White Balance**: Auto

**SHUTTER**
- **Shutter Speed**: (Auto: 8”-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 Effective Range**: ISO Auto: Approx. 0.25m-5.1m (9.7”-17” 4.3/4” (W)/Approx. 1.2m-9m (11’1”-29’11” 4.1/4”(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/Auto motion blur/Backlight Correction HDR/Advanced sports shooting/Optical SteadyShot® image stabilization with Active Mode
- **Image Stabilization**: Yes
- **GPS**: Yes
- **Panorama**: Intelligent Sweep Panorama/3D Sweep Panorama
- **Multi-shot layering**: Yes
- **Picture Effects**: HDR Painting/Richtone Monochrome/Mitzy/Tonemapped Pop/Color/Partial Color/Soft High-key/Watercolor/Illustration
- **Video**: Auto/Flash On/Slow Synchro/Flash Off
- **Auto Tracking Focus**: Off/Auto

**INPUTS & OUTPUTS**
- **USB**: Micro USB, Hi-Speed USB (USB2.0)
- **HD Video**: Mini HDMI™
- **SD Video**: –

**POWER**
- **Supplied Battery**: LITHIUM ION NP-BG1 3.6V
- **Battery Life (Approx.)**: 170 minutes
- **Number of Images (Approx.)**: –

**DIMENSIONS**
- **Dimensions (Approx.)**: 4 1/8 x 2 3/4 x 1 1/8” (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

**SUPPLIED ACCESSORIES**
- **Battery**: LITHIUM ION NP-BG1 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**: –

**FOOTNOTES**
1. Records in 29 minute segments.
2. Requires HD-KDV1 HDMI cable (at least 10.2 Gbps) and active 3D glasses sold separately.
3. TransferJet™ enabled media sold separately and TransferJet Technology required in both devices.
4. Actual performance varies based on settings, environmental conditions and usage.
5. Battery capacity decreases over time and use.

**Black**

**Silver**

**Red**

**White**
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.3

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 (35mm 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 × 2,752)/2M (1,920 x 1,080); 4:3 mode: 18M (4,896 × 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 × 1,080/60p)/24M FX/17M FH (1,920 x 1,080)/5M FH (1,440 x 1,080)/MP4:12M (1,440 × 1,080/30fps)/6M (1280 × 720/30fps)/3M VGA (640 × 480/30fps)
- **Microphone/Speaker**: Stereo/Mono

### FOCUS
- **Focus**: Multi Point AF/Center Weighted AF/Flexible Spot AF/Manual/Semi Manual/Tracking Focus/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**: Standard
- **Dynamic Range Optimizer**: 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
- **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 Effective Range**: ISO Auto: Approx. 0.4m-7.1m (1'' 3 3/4"–23 3 5/8") (W)/Approx. 1.7m-3.9m (5 7/16"–12 9 5/8") (T), ISO300: up to Approx. 10m (32 9 5/8") (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
- **Face Detection**: 8 Faces (Auto/Off/Child Priority/Adult Priority/Kay 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
- **Tracking Focus**: Off/Auto

### INPUTS & OUTPUTS
- **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.)**: 160 minutes
- **Number of Images (Approx.)***: 320

### DIMENSIONS
- **Weight (Approx.)**: 9.0oz (254g)
- **Dimensions (Approx.)***: 4 1/4 x 2 1/2 x 1 3/8" (106.6 x 61.9 x 34.6mm)

### 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
- **USB Cable**: Micro USB Cable
- **A/V Cable**: –
- **Multi Connector Cable (A/V/USB)**: –
- **Wrist Strap**: Yes
- **Paint Pen**: –

### FOOTNOTES
1. Records in 29 minute segments.
2. Requires 3D HDTV, HDMI cable (at least 10.2 Gbps) and active 3D glasses (sold separately).
3. Map service requires PC with internet. Service provided by Google and subject to change without notice.
4. “Translucent” enabled media (sold separately) and translucent technology required in both devices.
5. Battery capacity decreases over time and use.

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**DSC-HX20V**

H-Series
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.⁵

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®

### OPTICS & LENS
- **Lens Type**: Sony G
- **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), 34-680mm (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 × 2,752)/2M (1,920 x 1,080)
  - 4:3 mode: 18M (4,896 × 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 1,900) (Standard), (4,912 x 1,080/3,404 x 1,903)
- **Video**:
  - AVCHD 60i: 28M PS (1,920 × 1,080/60p)/24M FX/17M FH (1,920 × 1,080/60i)/9M HQ (1,440 × 1,080/60i)
  - MP4: 12M (1,440 × 1,080/30fps)/6M (1,280 × 720/30fps)/3M VGA (640 x 480/30fps)
- **Microphone/Speaker**: Stereo/Mono

### FOCUS
- **Focus**:
  - Multi Point AF, Center Weighted AF, Flexible Spot AF, Manual, Semi Manual, Tracking Focus, Face Tracking Focus
- **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
- **Dynamic Range Optimizer**: Standard
- **White Balance**: –

### SHUTTER
- **Shutter Speed**: –
- **Burst Mode**: –

### FLASH
- **Flash Type**: Built-in Flash
- **Effective Flash Range**: –
- **Flash Mode**: –

### FEATURES
- **Scene Modes**:
  - High Sensitivity, Soft Snap, Soft Skin, Landscape, Sports, 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

### INPUTS & OUTPUTS
- **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.)**: 160 minutes
- **Number of Images (Approx.)**: 320

### DIMENSIONS
- **Weight (Approx.)**: 9.0oz (254g)

### SOFTWARE
- **Software for download**: PlayMemories Home™ for PC

### SERVICE & WARRANTY
- **Limited Term Warranty**: Limited 1 year parts and labor

### SUPPLIED ACCESSORIES
- **USB Cable**: Micro USB Cable
- **Multi-Connector Cable (A/V/USB)**: –
- **Wrist Strap**: Yes
- **Paint Pen**: –

### FOOTNOTES
1. Records in 25 minute segments.
2. Requires HDV and HDMI cable sold separately.
3. Requires HDV and HDMI cable (at least 3Gbps) 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 setup as a DLNA server.
6. TransferJet® enabled media (sold separately) and TransferJet technology required in both devices.
7. Battery capacity decreases over time and use.
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

3D Still Image and 3D Sweep Panorama™ mode
Produce awe-inspiring images with 3D still image and 3D Sweep Panorama™ capabilities.2 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

**Camera Type**: High Zoom

**Image Device**: 1/2.3" Exmor® R CMOS Sensor

**Effective Pixel Resolution**: 18.2 MP

**Processor**: BIONZ®

### 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

**Shutter Speed**: 1/4000 to 30s

**Focal Length (35mm Equivalency)**: 24-1008mm

**Latitude**: 48° 54’ N to 84° 4’ S

### Recording

**Media Slot**: MS Duo and SD/SDHC/SDXC Compatible

**Still Images**: 16:9 mode: 13M (4,896 x 2,752)/10M (4,096 x 2,256)/8M (2,592 x 1,440)/7M (2,048 x 1,152)/6M (1,600 x 900)/5M (1,280 x 720)/3M (640 x 480)

**Video**: FHD (1,920 x 1,080), HD (1,280 x 720), 29-870mm (SteadyShot Standard), 36-1080mm (SteadyShot Active), 36-1080mm (SteadyShot Active)

**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/On-Cool/On-Cool/Sun/White balance shift

**ISO**: Auto (Intelligent)/Auto (Full)/Auto (Manual)/Auto (Silent)/Auto (Program Auto)/Auto (Flexible Spot AF)/Auto (One Push Set)/One Push Set

**Backlight Correction HDR**: Yes

**Scene Modes**: Scene Mode: Auto/Intelligent Scene Recognition/Advanced sports shooting/High Sensitivity/Soft Snap/Soft Skin/Landscape/Portrait/Handheld Twilight/Gourmet/Beach/Snow/Fireworks/Pot mode/Anti-motion blur/Backlight Correction HDR/Enhanced sports shooting/Evening/Fireworks/Photography/Program Auto/One Push Set

### Exposure

**Exposure Metering**: Multi Pattern/Average/Auto/Auto/Auto

**Exposure Compensation**: ± 3.0 stops (1/3 EV increments)

**Max. ISO**: 12800

**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/Sun/White balance shift

**Backlight Correction HDR**: Yes

### Focus

**Focus**: Multi Point AF/Multi Point/Center Weighted/Spot AF/Multi/Manual/Tracking Focus/Face Tracking Focus

**Focus Mode**: Yes

**Macro Mode**: Yes

**Zoom**: Optical Zoom 30x

**Clear Image Zoom**: 60x

**Still Images**: 16:9 mode: 13M (4,896 x 2,752)/10M (4,096 x 2,256)/8M (2,592 x 1,440)/7M (2,048 x 1,152)/6M (1,600 x 900)/5M (1,280 x 720)/3M (640 x 480)

**Video**: FHD (1,920 x 1,080), HD (1,280 x 720), 29-870mm (SteadyShot Standard), 36-1080mm (SteadyShot Active)

**Still 4:3**: 27-810mm/Still 16:9: 13M (4,896 x 2,752)/2M (1,920 x 1,080)/5M (2,592 x 1,440)/1M (1,024 x 768)/VGA

**Still 16:9**: 13M (4,896 x 2,752)/2M (1,920 x 1,080)/5M (2,592 x 1,440)/1M (1,024 x 768)/VGA

**Panorama**: 13M (4,896 x 2,752)/2M (1,920 x 1,080)/5M (2,592 x 1,440)/1M (1,024 x 768)/VGA

**Video**: FHD (1,920 x 1,080), HD (1,280 x 720), 29-870mm (SteadyShot Standard), 36-1080mm (SteadyShot Active)

**Microphone/Speaker**: Stereo/Mono

**Music Transfer**: Yes

**Playback**: Yes

**Supplied Battery**: LITHIUM ION NP-FH50 6.8V

**Battery Life**: 225 minutes

**USB**: USB Micro USB, Hi-Speed USB (USB2.0)

**HD Video**: Micro HDMI®

**Software for download**: PlayMemories Home™ for PC

**Input**: SD Video – Micro USB Cable

**Output**: HD Video Micro HDMI®, USB Micro USB, Hi-Speed USB (USB2.0)

**Dimensions**: 4.78 x 3.1 x 2.55 (121.6 x 86.6 x 93.3mm)

**Weight**: 1 lb 4.6oz (583g)

**Limited Term Warranty**: Limited 1 year parts and labor

**Battery**: LITHIUM ION NP-FH50 6.8V

**Battery Charger**: AC Adaptor AC-L100

**SD Video**: –

**Battery Cable**: Micro USB Cable

**Multi-Connector Cable (A/V/USB)**: –

**USB Cable**: Micro USB Cable

**Wrist Strap**: –

**Shoulder Strap**: –

**Lens Cap**: –

**Lens Cap Strap**: –

**Paint Pen**: –

1. Records in 29 minute segments.
2. Requires HDV/HD cable (sold separately).
3. Requires SD-HDV/HD cable (sold separately).
4. Map service requires PC with internet. Service provided by Google and subject to change without notice.
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.
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.
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
- Display your photos and videos on the 10.1", 8", or 7" WVGA LCD (16:10)
- View HD movie/motion jpg/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)³
- USB mini B for PC connection and transfers⁷

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

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### STILL IMAGE STORAGE CAPACITY

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<td>7,152 x 1,080</td>
<td>570</td>
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<td>4,912 x 1,080</td>
<td>760</td>
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### Battery Stamina when Shooting Still Images

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<th>Model</th>
<th>Battery Type</th>
<th>Approximate Number of Minutes</th>
<th>Approximate Number of Still Images</th>
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<td>NP-BN</td>
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<td>250</td>
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<tr>
<td>DSC-W620</td>
<td>NP-BN</td>
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<td>DSC-W650</td>
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<td>DSC-W690</td>
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<td>DSC-WX50</td>
<td>NP-BN</td>
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<td>DSC-WX70</td>
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<td>DSC-WX150</td>
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<td>DSC-TX66</td>
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<td>NP-FH50</td>
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### RECORDING CAPACITY (APPROXIMATE)

#### Video Format

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<tr>
<th>Resolution</th>
<th>2GB</th>
<th>4GB</th>
<th>8GB</th>
<th>16GB</th>
<th>32GB</th>
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<tbody>
<tr>
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<td>9 min</td>
<td>15 min</td>
<td>35 min</td>
<td>1 hr 15 min</td>
<td>2 hr 30 min</td>
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<tr>
<td>AVCHD 24M FX</td>
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<td>20 min</td>
<td>40 min</td>
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<td>AVCHD 17M FH</td>
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<td>MP4 12M</td>
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<td>15 min</td>
<td>40 min</td>
<td>1 hr 20 min</td>
<td>2 hr 45 min</td>
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<td>MP4 6M</td>
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<td>1 hr 15 min</td>
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<td>5 hr 20 min</td>
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<td>MP4 3M</td>
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<td>1 hr 10 min</td>
<td>2 hr 25 min</td>
<td>4 hr 55 min</td>
<td>9 hr 55 min</td>
</tr>
</tbody>
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*Actual performance varies based on settings, environmental conditions, and usage. Battery capacity decreases over time and usage.*

**1 GB = 1 billion bytes, a portion of which is used for data management functions. Capacity will vary based on image recorded.*
Main Features

<table>
<thead>
<tr>
<th>Model</th>
<th>IMAGING SENSOR</th>
<th>Resolution</th>
<th>OPTICS</th>
<th>Lens</th>
<th>Optical Zoom</th>
<th>Focal Length (35mm equivalent)</th>
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<tbody>
<tr>
<td>W610</td>
<td>Super HAD™ CCD</td>
<td>14.1</td>
<td>Sony</td>
<td>Sony</td>
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<tr>
<td>W650</td>
<td>Super HAD™ CCD</td>
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<td>Zeiss G Lens</td>
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<td>Super HAD™ CCD</td>
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<td>10x</td>
<td>25-250mm</td>
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<tr>
<td>WX50</td>
<td>Exmor® R CMOS</td>
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<td>Zeiss G Lens</td>
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<tr>
<th>MODEL</th>
<th>LCD DISPLAY</th>
<th>DRIVE SYSTEM</th>
<th>ADVANCED FEATURES</th>
<th>RECORDING</th>
<th>INTERFACE</th>
<th>ADVANCED FEATURES</th>
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<td>LCD Type</td>
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<td>Embedded GPS</td>
<td>High-speed AF</td>
<td>Video Format</td>
<td>USB Charging</td>
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<td>10 fps</td>
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<td>1280 x 720</td>
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<td>3.0&quot; Clear Photo™</td>
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<table>
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<th>ADVANCED FEATURES</th>
<th>RECORDING</th>
<th>INTERFACE</th>
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<td>Embedded GPS</td>
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<td>Background Silhouette</td>
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<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Reference Charts
Please visit the online training guide at www.cyberscholar.com

1. Records in 29 minute segments.
2. Requires HD TV 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 DUNA 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†‡/ Windows 7 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.
     - PlayMemories Online™ uploader is compatible with Mac OS X™ v10.4-v10.7.
   - Mac OS
     - 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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