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Notes: Functions vary depending on model. Please refer to the websites for specific camera models for more details.  
Some images on this website have been edited.



# Basic digital camera terms

An introduction to basic digital camera terminology

CCD	CMOS	Pixel (count)	Effective pixels	Resolution	Optical zoom
Digital zoom	Aperture	Focal length	Depth of field	Shutter speed	White balance
Dynamic range	JPEG	GIF	TIFF	MPEG	LCD
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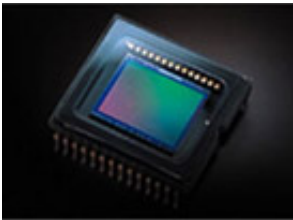
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## CCD

A CCD (Charge-Coupled Device) is an electronic image sensor that converts light (image) signals to electronic signals using photodiodes that change their electrical charge depending on the light input. These devices are placed at the focal point of digital still cameras, camcorders, and scanners, and function as replacements for daguerreotype film.

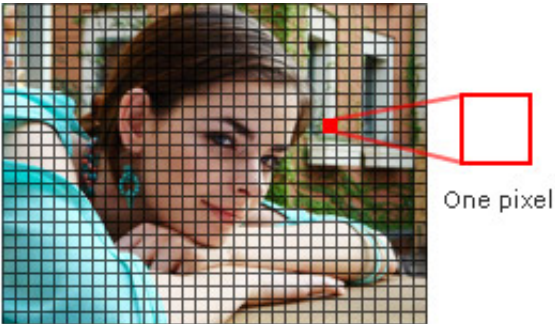


## CMOS

One of two types of image sensors commonly used today (the other type is CCD, or Charge-Coupled Device). CMOS image quality has improved drastically in recent years, and now CMOS sensors are capable of transferring data at high speeds with minimal power usage. For this reason, more and more cameras (from high-end single-lens reflex models to video cameras) are being equipped with high-quality CMOS sensors.

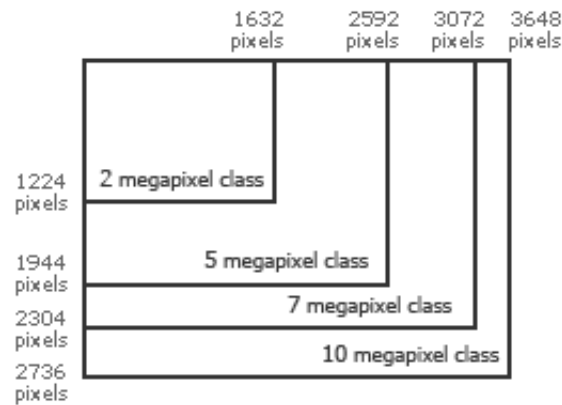
## Pixel (count)

A pixel is the smallest image unit of a CCD or CMOS sensor. As the number of pixels increases, a higher resolution is achieved. "Megapixels" means 1 million pixels.



## Effective pixels

The number of pixels in the CCD/CMOS sensor that are actually used to create an image. When shooting with a digital still camera, not every pixel in the CCD/CMOS is used. The number of pixels used varies depending on the image size and increases in shooting modes that require high pixel values.



## Resolution

The resolution of a digital image is defined as the number of pixels it contains, and this indicates the fineness and smoothness of detail. A larger number means higher resolution. Digital image data is represented by dots.

## Optical zoom

Optical zoom is a function for changing the focal length of a camera lens toward a more telescopic or wide-angle setting. Since the function is optical, image quality isn't affected even when the magnification is increased. Optical zoom is known simply as "zoom" in the film camera industry.



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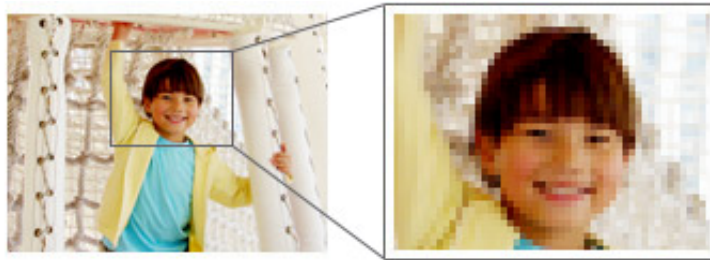
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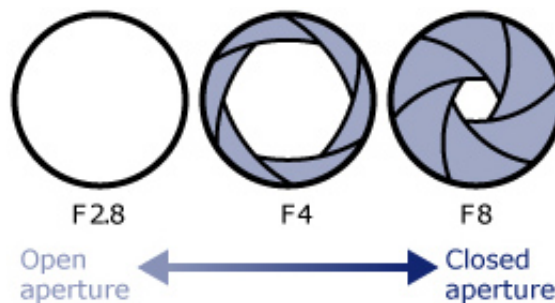
## Digital zoom

Digital zoom is a function that adjusts telescopic/wide angles by digitally processing an image captured by the CCD. Since the image is enlarged without increasing detail, image quality generally deteriorates as digital zooming increases.



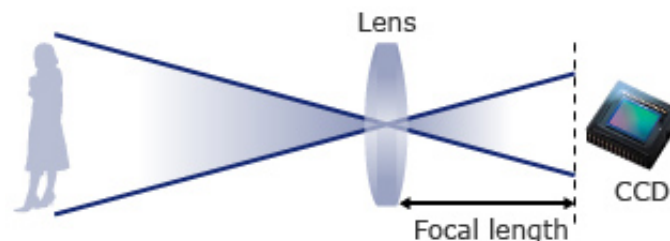
## Aperture

The lens opening. Adjusting its size (F-value) affects the amount of light entering the camera. A lower F-value expands the lens opening while a higher F-value shrinks it.



## Focal length

The focal length (f-value) is the distance, in mm, from the centre of the lens to the focal point where the image is produced. Raising the f value magnifies the subject and shrinks the field of view (telescopic), while lowering the value shrinks the subject and enlarges the field of view (wide). The field of view also varies depending on the size of the film or CCD.



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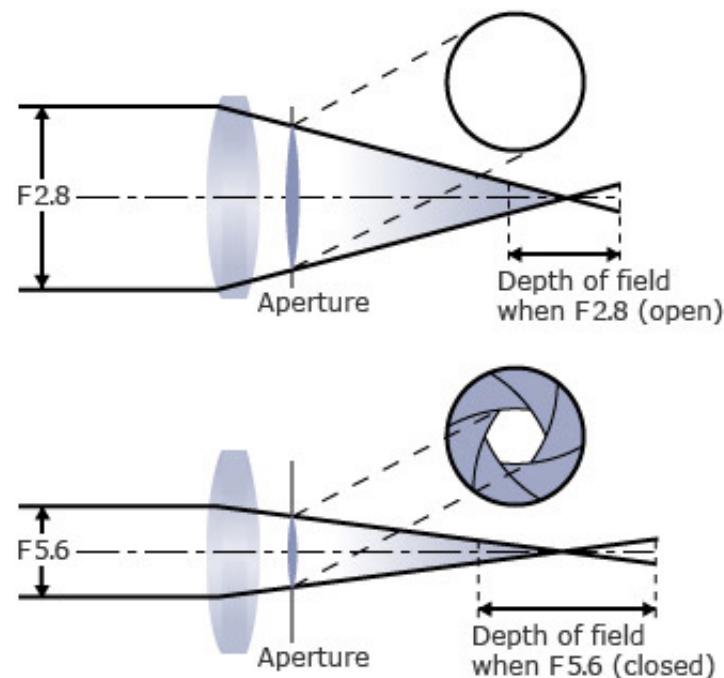
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# Depth of field

The area from near to far that appears to be in focus. Depth of field is shallow with a large focal length (telescopic) and deep with a small focal length (wide). It becomes deeper as the aperture widens (larger F-value) and shallower as the aperture shrinks.



# Shutter speed

The length of time the shutter stays open while taking a photo. Shooting with a high shutter speed captures the image in a shorter period of time and prevents blur when shooting fast-moving subjects.



Slow shutter speed



Fast shutter speed



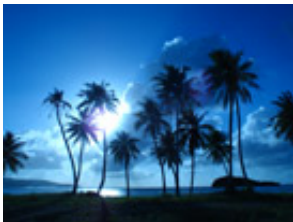
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# White balance

A function that adjusts the colour balance, depending on lighting conditions, to reproduce colours accurately. Colour balance is set to reproduce white as pure white so that other colours are accurately reproduced as well. Users can also choose to adjust white balance settings to achieve more reddish or bluish images.



↑ Incandescent setting



↑ Fluorescent setting



↑ Daylight setting

# Dynamic range

The maximum reproducible range of sound intensity in audio playback and brightness in image reproduction. A wider dynamic range enables smoother gradations in images, especially in the bright and dark areas.

# JPEG

An image file format employing a compression standard jointly defined by the ISO (International Organization for Standardization) and CCITT (Comite Consultatif International Telegraphique et Telephonique, now known as the ITU-T). Capable of handling up to 16.77 million colours, this format is suitable for compressing photo images and is commonly used by digital cameras.

# GIF

The Graphics Interchange Format (GIF) is a highly compressed image format that significantly reduces file size. Its narrow colour range (up to 256 colours) makes it unsuitable for photographs but ideal for illustrations and logos. Variations of GIF include transmission GIF for reproducing transparency, interlaced GIF for displaying images with gradually increasing resolution and animated GIF.

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# TIFF

The Tagged Image File Format (TIFF), widely supported by computer applications, is an image file format for high-density bitmapped images. TIFF is compatible with many other file formats and easily converts to different formats, but the size of the file becomes larger.

# MPEG

The Moving Picture Expert Group (MPEG) is an organisation that developed various world-standard encoding formats for digital movies and audio, such as MPEG1, MPEG2 and MPEG4. Many digital cameras use the MPEG1 and MPEG4 formats.

# LCD

A Liquid Crystal Display (LCD) is a type of monitor for displaying images. Images are created by applying voltage to liquid crystal molecules suspended between panels of glass. The molecules twist in response, affecting the amount of light striking filters that create the image.

# Exif

The Exchangeable Image File Format (Exif) is a specification standardised by JEIDA (Japanese Electronic Industry Development Association) for use by digital cameras. It adds information such as shooting date, shutter speed, F-value, and ISO sensitivity to image files of various formats, such as JPEG and TIFF, allowing users to view the images and information with standard Exif-compatible image editing software. If the image is edited, the Exif data is lost.

# Thumbnail

A small, reduced version of a high-resolution image used for easy previewing on screen. For example, thumbnails representing the first frames of various scenes in a movie can be displayed in a list for easy searching.



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## High-quality image recording technology

Lens, CCD, and image processor technology for high-resolution, high-quality images

Large CMOS Sensor  
Clear RAW NR

14-bit DXP  
Noise Reduction

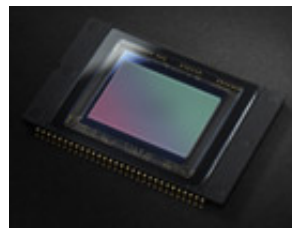
SRC Technology  
AGCS Technology

## Cyber-shot core technology



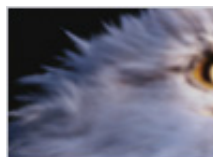
## Large CMOS Sensor

Most digital cameras use a CMOS or CCD as the image sensor. CMOS image sensors maximise overall camera performance by sharply increasing the number of pixels and data transmission speed, while reducing power consumption. The large CMOS sensor in Cyber-shot offers high sensitivity, a wide dynamic range, minimal noise and flares, and images that are smooth with fine detail thanks to their larger cell pitch.

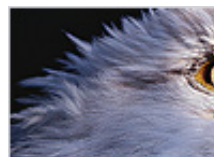


## 14-bit DXP

DXP (Digital Extended Processor) is an A/D (Analog-to-digital) signal converter that converts image signals from an image sensor into 14-bit digital signals. Compared to 10-bit A/D converters, 14-bit DXP produces digital signals with 16 times more information. This means a wider range of colour tones are accurately reproduced for more true-to-life digital photos.



↑ 10-bit conversion



↑ 14-bit conversion

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# SRC Technology

SRC (Super Resolution Converter) is Sony's original digital signal processing technology. It calibrates original data from the high-resolution CCD/CMOS sensor before applying JPEG compression, and allows images to be reproduced vividly regardless of their image size.

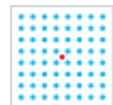


↑ Conventional calibration technology

↑ Super Resolution Converter



Because the calibration uses information from just 4 pixels, the image shows more noise.



Because the calibration is carried out using nearly 16 times more data, the image appears more vivid with less noise.

# Clear RAW NR

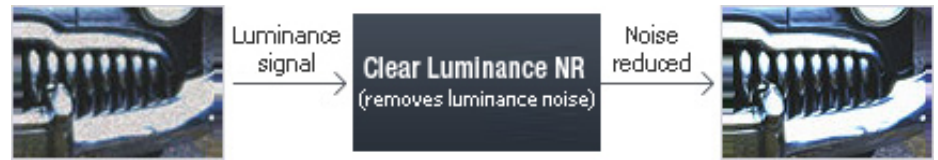
Sony's original Clear RAW NR noise reduction algorithm suppresses colour noise and luminance noise by applying noise reduction directly to RAW image data before it is processed. This enables clear natural images with minimal noise even when shooting in low light conditions such as indoors or outdoors at twilight with a high sensitivity setting. In fact, because it allows the data to retain a high S/N (Signal to noise) ratio, Clear RAW NR's effectiveness is more pronounced when images are shot at high-sensitivity settings.



# Noise Reduction

## Clear Luminance NR

This noise reduction feature removes luminance noise while maintaining sharp edges and high resolution. It is especially effective for capturing the textures of metallic mechanisms at high resolution.



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## Clear colour NR

This feature detects areas filled with flat colours, such as skies, and removes noise from them to achieve natural colour tones.



## Clear Luminance NR + Clear Colour NR

To prevent noise in flat colours, while maintaining clear edges and high image resolution, two types of noise reduction operate simultaneously. The result is more natural, crisp images.

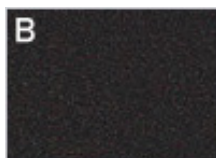


## NR Slow shutter

With this feature, users can achieve excellent low-noise results even at long exposures. The original image (A) taken at a slow shutter speed has its noise (B) extracted to achieve a clear image (C).\*



↑ Regular image taken at a slow shutter speed



↑ Image noise only (shot with shutter closed at same settings as A)



↑ Final clear image created by extracting B from A

\* NR slow shutter shooting take twice as long as conventional slow-shutter shooting because it requires steps A through C. This mode is automatically activated at 1/6 sec. shutter speeds (or 1/25 sec.) and slower shutter speeds.

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# AGCS Technology

Using automatic image contrast adjustment to correct washed-out and blacked-out spots in backlit photos often dulls overall colours. But AGCS (Advanced Gradation Control System) adjusts the overall contrast while maintaining the colour balance, reproducing colours brilliantly even if the photo was shot against the light or the overall image has low contrast. It is also effective for adjusting the contrast of photos taken on cloudy days.

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# Functions for matching shooting conditions

A variety of AF and exposure control functions to match the subject and scene

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MF Peaking	Single AF	Monitoring AF
Continuous AF	Optical Image Stabiliser Super SteadyShot	Multi-Pattern Metering
Centre Weighted Metering	Spot Metering	ISO Sensitivity
White Balance SettingsF	Macro mode	Magnifying Glass mode
Scene Selection modes	Manual Shooting Functions	EV Compensation (Image Brightness Adjustment)
AE Lock	Histogram Display	Zebra Pattern
Auto Daylight Synchro	Image Quality Settings	Front Curtain Synchro
Rear Curtain Synchro	TIME Mode	Self-timer

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## Multi-Point AF

The Multi-point AF function focuses on the subject quickly and highly accurately by automatically detecting the subject within the preset focusing zones. Because autofocus is achieved even when the subject is not at the centre of the frame, the function is useful in composition-oriented shooting that doesn't require setting the focus lock in advance.



Metering zones and other screen displays vary depending on the model

## Spot AF

The Spot AF function narrows down the focusing range to about 1/4 the size of the centre-weighted AF area to boost autofocusing accuracy.



↑ (Centre weighted AF)

The green leaf near the camera is in focus despite the photographer's intentions to focus on the red fruit.

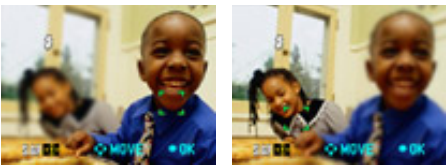
↑ (Spot AF)

Because the focusing area is smaller, the red fruit is accurately focused.

# Flexible Spot AF

The Flexible Spot AF function allows flexible movement of a focusing area about 1/4 the size of the normal AF area\*. This enables photos to be taken with exactly the framing desired even when the subject is outside the normal AF focus area.

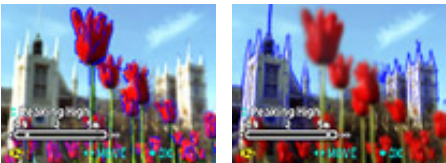
\* The focusing area can be moved anywhere within a central region of the image covering 81% of its width and 75% of its height. The range of movement of the focusing area with in the LCD varies depending on the model.



The focus can be shifted to the boy, girl, or almost any part of the image.

# MF Peaking

Manual focusing is simplified by an MF Peaking function that highlights the focused area of the subject in blue on the LCD screen.



Blue highlighting indicates whether the castle or flowers are in focus.

# Single AF

This basic autofocus function is ideal for shooting snapshots, as well as landscapes and other stationary subjects. Autofocusing is automatically adjusted when the shutter button is halfway pressed.

# Monitoring AF

When the Monitoring AF function is selected, the camera automatically and constantly adjusts the focus until the shutter button is pressed halfway. Because the subject is already in focus when the framing is selected, focusing time is shortened.

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# Continuous AF

Continuous AF adjusts the focus before the shutter button is pressed halfway, and then continues to adjust the focus even after AF lock is completed. This mode allows moving subjects to be captured with accurate focus.

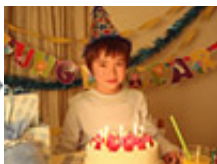


# Optical Image Stabiliser “Super SteadyShot”

The “Super SteadyShot” function prevents blur by flexibly shifting the lens itself and bending the light axis whenever the built-in sensor detects camera shake. The function, which is available for shooting both still images and movie\*, particularly comes in handy when shooting at a telephoto setting or in a low-light environment.



↑ Super SteadyShot  
OFF



↑ Super SteadyShot  
ON

\* This function can be used for movie recording only when the picture mode is set to Continuous.

# Multi-Pattern Metering

Using Sony’s original method, the Multi-Pattern Metering function divides the frame into 49 (7 x 7) zones and analyses the exposure using metering data taken from every zone. In this way, it accurately calculates a well-balanced exposure even under difficult lighting conditions, such as when shooting against the light or when a section of the frame is overly bright.



The exposure level of the entire image is not affected if strong light enters part of the image.

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## Centre Weighted Metering

Centre Weighted Metering measures the brightness at the centre of the frame, as well as around the centre, to calculate the correct exposure. This makes it possible to capture the image with the right exposure even when the subject at the centre is bright and the background is dark.



## Spot Metering

Spot Metering measures a narrow zone at the centre to determine the exposure level. This is useful for highlighting the subject and enhancing the visual impact, and also for capturing the details in a highlighted section.



## ISO Sensitivity

The ISO number indicates the camera sensor's sensitivity to light. The higher the sensitivity, the less light is needed to make an exposure. So cameras with high sensitivity can take brighter pictures even indoors in low-light conditions and outdoors on gloomy days.

\* ISO number settings vary depending on the model.



↑ ISO 100



↑ ISO 200



↑ ISO 400



↑ ISO 800

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# White Balance Settings

The Automatic White Balance mode selects the ideal white balance to faithfully reproduce the subject's colour tones depending on light conditions. Alternatively, users can manually select the white balance from the Daylight, Cloudy, Fluorescent and Incandescent settings to intentionally match lighting conditions with shooting intentions.

\* White Balance settings vary depending on the model.



↑ Auto



↑ Daylight



↑ Cloudy



↑ Fluorescent



↑ Incandescent



↑ Flash

# Macro mode

The Macro mode\* enables autofocusing from as close as 2cm\* away and is useful for taking close-ups of flowers, insects and other small subjects.



↑ Normal telephoto shot



↑ Macro shot

\* This feature varies depending on the model.

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# Magnifying Glass mode

Models equipped with Magnifying Glass mode\* allow autofocusing from as close as 1cm from the subject for super close-ups that would normally require special lenses.



\* This feature varies depending on the model.

# Scene Selection modes

Simply select the appropriate mode\* for the scene at hand and the camera automatically chooses the optimal settings.



↑ Twilight  
For shooting low light scenes without a flash



↑ Twilight Portrait  
For shooting portraits in low light with a flash



↑ Landscape  
For shooting landscapes with distant focus



↑ Snow  
For shooting whitish scenes brightly



↑ Beach  
For shooting waterside scenes with rich blue colour



↑ High-speed shutter  
For shooting fast-moving subjects outdoors

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↑ Fireworks  
For shooting fireworks in all their splendour



↑ Soft Snap  
For shooting subjects with a soft background



↑ Portrait mode  
For shooting portraits with sharply focused subjects



↑ Magnifying Glass mode  
For shooting subjects as close as 1cm from the camera



↑ Candle mode  
For shooting candlelit scenes with a warm atmosphere



↑ High Sensitivity mode  
For shooting a subject and background without a flash for reduced noise and natural results

\* Avoid extremely hot and cold shooting conditions.  
Operating temperature: 0 to 40 degrees Celsius.  
Scene Selection mode varies depending on model.

## Manual Shooting Functions

The aperture and shutter speed can be adjusted manually to suit shooting intentions. For example, the shutter speed can be increased to clearly capture a fast-moving subject, or a slower shutter speed can be used to emphasise the motion of a stream. The aperture setting can also be adjusted to render the subject with an impressive effect. You can capture various creative images by setting the exposure control to match the shooting situation.



A slow shutter speed helps emphasise the motion of a stream.



Aperture control was adjusted to keep the background out of focus and emphasise the subject.

\* Shutter speed and aperture settings vary depending on the model.

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# EV Compensation (Image Brightness Adjustment)

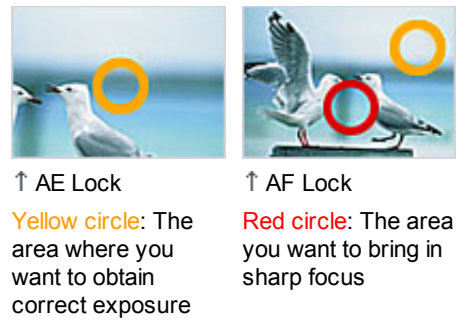
When the subject in your photo is too bright or dim, you can adjust the image brightness by setting the exposure to any value between -2.0 and +2.0 in 1/3 EV steps.



\* On-screen display of EV compensation varies depending on model.

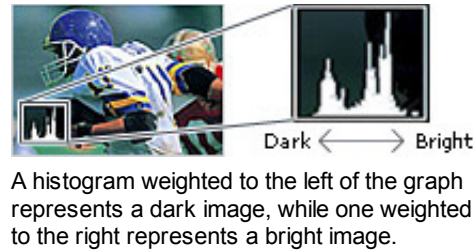
## AE Lock

The AE Lock function allows users to meter the brightness of an arbitrary position and lock in on the exposure setting based on metering results. This is convenient when the contrast is too strong between the subject and background, or when shooting a backlit subject.



## Histogram Display

The Histogram Display graphically represents the brightness distribution of the image on the LCD screen. This helps the user check the brightness distribution for correct exposure control. The histogram can be displayed in PLAY mode as well, allowing you to check the brightness distribution or correct the exposure value of the image even after shooting.



\* Depending on the model, the Histogram Display function is not available in 3:2 screen mode.

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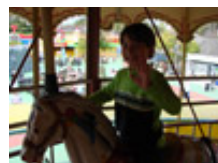
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# Zebra Pattern

Diagonal black and white stripes indicate an area that is too bright (overexposed) and will appear washed-out in the photo. The exposure can then be adjusted accordingly. This feature helps you shoot without failure even outdoors on sunny days.

# Auto Daylight Synchro

The Auto Daylight Synchro function automatically fires the flash when shooting a subject in shadows against a bright background, allowing the subject to be captured vividly even when shooting in backlit conditions.



↑ No automatic flash



↑ Auto Daylight Synchro (Automatic flash)

# Image Quality Settings

A variety of image quality settings are available. You can adjust sharpness, saturation, contrast and more to achieve expressive results according to shooting intentions, etc.

\* Image Quality Setting menus vary depending on the model.

## Sharpness



↑ Low



↑ Normal



↑ High

## Colour Saturation



↑ Low



↑ Normal



↑ High

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## Contrast



↑ Low



↑ Normal



↑ High

## Front Curtain Synchro

With normal flash photography, the flash fires the instant the shutter button is pressed, and the shutter closes after remaining open for a certain period of time. When objects with lights are shot using this “Front Curtain Synchro” flash, trails of light appear to move ahead of the objects.



## Rear Curtain Synchro

In this mode, the flash fires when the second curtain starts to move across the frame. Rear-Curtain Synchro creates a trail of light behind the subject that looks more natural than the light streaks created by Front Curtain Synchro in front of the subject. Rear-Curtain Synchro gives you the flexibility to express subject motion when using a flash.



## TIME Mode

The TIME Mode allows long exposures between 1 and 180 seconds (3 minutes) to create fantastic light trail effects such as from car headlights on a road at night, fireworks, etc.

## Self-timer

A built-in self-timer provides two selectable modes (2sec. and 10sec.) for automatic shutter release. During flash photography, camera shake can be prevented by placing the camera on a stable surface and using the 2-Second Timer mode. When a user wants to appear with friends in a group picture, the 10-second setting can be used.

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# Long-lasting power for extended, worry-free shooting

High-capacity media and long battery life for enhanced shooting stamina

InfoLITHIUM Battery      Nickel-Hydrogen Rechargeable Battery      Internal Memory  
Memory Stick Pro/Memory Stick Pro Duo

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## InfoLITHIUM Battery

The compact InfoLITHIUM Battery delivers high performance and long-lasting stamina. Its InfoLITHIUM function, which communicates with the camera to display the remaining power in minutes, provides peace of mind to users when shooting outdoors or during trips.

\* Different models use different types of batteries.



↑ NP-FR1



↑ NP-FT1



↑ NP-FM50



↑ NP-FE1



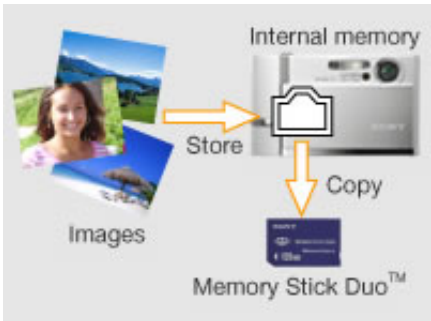
Remaining  
battery level is  
displayed

## Nickel-Hydrogen Rechargeable Battery

This new AA-type nickel-hydrogen rechargeable battery features a higher capacity than conventional products to enable longer shooting during events and holiday trips.

# Internal Memory

The internal memory lets users take advantage of great photo opportunities by storing image data in the camera even when the Memory Stick is full or not inserted.



Recorded images can easily be copied to a Memory Stick

# Memory Stick Pro/Memory Stick Pro Duo

Memory Stick Pro and Memory Stick Pro Duo media offer high-capacity data storage and are available at various capacities.

\*Memory Stick compatibility varies depending on the model. Some models may require a Memory Stick Duo adaptor to handle Memory Stick Pro Duo.

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# Powerful zooming brings subjects closer

Zooming functions for capturing faraway details at high resolution

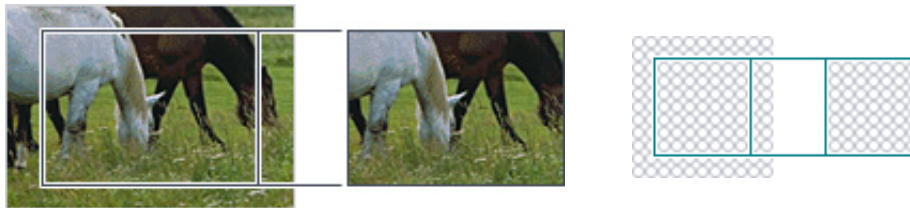
Smart Zoom

Precision Digital Zoom

## Smart Zoom

The Smart Zoom function crops a portion of a photo taken at the maximum image size to obtain a zoomed image. When compared with normal digital zoom functions that directly enlarge the image data, Smart Zoom provides better image quality by cropping the data, not enlarging it. Automatic switchover from optical zoom to Smart Zoom as magnification increases is seamless, requiring no attention from the user.

\* The zoom magnification varies depending on the model.



↑ Smart Zoom: High image quality is retained because the zoom effect is achieved by cropping a section of an image shot at the maximum image size.



↑ Normal Digital Zoom: Image quality deteriorates because a section of image data is simply enlarged according to the zoom magnification.

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# Precision Digital Zoom

The Precision Digital Zoom function enlarges photos while leaving details faithfully intact by applying sophisticated image compensation based on Sony's proprietary SRC signal processing technology. This function can double the image size regardless of the image's original size. It delivers less image deterioration than conventional digital zoom, and smoother continuous digital zooming is possible all the way from wide-angle to telephoto.



↑ Wide-end shot



↑ Precision Digital Zoom (Approx. 6x: 3x optical zoom x approx. 2x digital zoom)

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# Vivid shooting in dark environments

Shooting functions for clear images even in low-light conditions

Slow Synchro Mode

AF Illuminator

[High-performance built-in flash with preflash function](#)

## Slow Synchro Mode

The Slow Synchro mode combines a slow shutter speed with flash and is effective for brightly and vividly capturing both the subject and background in low light conditions.



↑ Normal flash



↑ Slow Synchro Mode

## AF Illuminator

The AF Illuminator emits from a high-luminance red LED to light up the subject. Focusing on the subject with the AF illuminator on can improve the focusing accuracy of flash photos.



↑ AF Illuminator beaming and autofocusing



↑ Recorded image

## High-performance built-in flash with preflash function

The high-performance built-in flash can enhance the exposure accuracy of flash photos by employing preflash TTL metering and determining the appropriate exposure level before firing the flash.

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## Movie and continuous shooting functions

Functions for easily taking movies and multiple images with excellent results

MPEG Movie VX

MPEG Movie 4TV

Video Mail

Hybrid REC

5 Second REC

Burst Mode

Exposure Bracket Mode (Auto Bracket)

Multi-Burst Mode/Frame-by-Frame Playback

Auto Review Cancel

### MPEG Movie VX

**MPEGMOVIE VX**

MPEG Movie VX records VGA-sized (640 x 480 pixels) movies that are four times larger than movies recorded using conventional digital cameras. When the Standard mode is selected, movies of up to roughly 44 minutes and 22 seconds can be recorded on a 1GB Memory Stick. When movies are recorded in the Fine mode, which captures images at approximately 30 frames per second, the images appear fine and smooth, making them ideal for full-screen viewing on a TV.

AV connecting cable



Cyber-shot



TV

**Movie recording time by mode** (with optional 1GB Memory Stick PRO)

Recording mode	Recording time
Standard (640 x 480, approx. 16.6fps)	Max. 44 min. 20 sec.
Fine (640 x 480, approx. 30fps)	Max. 12 min. 20 sec.

### MPEG Movie 4TV

**MPEGMOVIE 4TV**

MPEG Movie4TV records high-quality movies at 640 x 480 VGA resolution and approx. 30 frames per second, which is ideal for viewing on a TV screen. Since the MPEG4 compression format records high-quality movies at small file sizes, this feature enables extended movie shooting.\*



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\* Up to 90 minutes of continuous movie recording with optional 2GB Memory Stick PRO



# Video Mail

The Video Mail mode enables users to record movies on a Memory Stick at a smaller size (160 x 112 pixels) that is perfect for sending by e-mail. Uses the MPEG 1 movie compression method. It also allows users to record movies until a Memory Stick is full, then delete unwanted sections with the file split function.

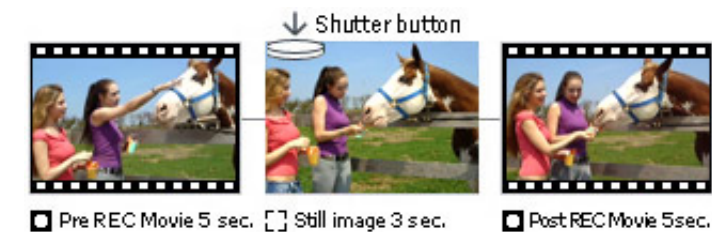
## Movie recording time by mode (with optional 1GB Memory Stick)

Recording mode	Recording time
Video mail (160 x 112)	Max. approx. 91 min. 30 sec.
Video Mail (160 x 112, 8.3fps)	Max. approx. 11 hour 44 min. 20 sec.
VX Standard (640 x 480, 16.6fps)	Max. approx. 44 min. 20 sec.
VX Fine (640 x 480, 30fps)	Max. approx. 12 min. 20 sec.

# Hybrid REC

With the Hybrid REC mode, one press of the shutter button produces one still image and movies\* spanning from 5 seconds before to 3 seconds after the shutter button was pressed. This is a unique way of capturing the atmosphere surrounding the moment.

\* Movies are saved at QVA size (320 x 240 pixels) at roughly 15 frames per second.



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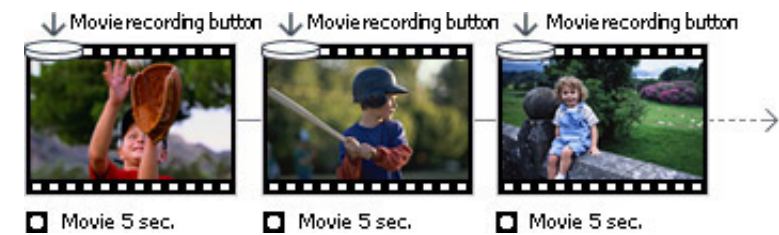
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# 5sec. Recording

The 5sec. Recording mode lets users record video images for 5 seconds by simply pressing the Movie button once. When a longer video image is desired, pressing the button again extends the recording time. It's a great way to collect snappy movie clips that need no editing. The clips can be played back in sequence by selecting the Slideshow Playback function.



# Burst Mode

Burst mode\* records the maximum possible number of images in succession when you press and hold down the shutter button.

\* Burst modes vary in type and number of frames depending on model.



# Exposure Bracket Mode (Auto Bracket)

With a single press, Exposure Bracket mode\* records a series of 3 images with the exposure valued automatically shifted for each. When it's difficult to determine the proper exposure setting for your subject, simply use this mode and select the image with the best results after shooting.

\* Some models may not have this feature. Bracket Step Value varies depending on model.



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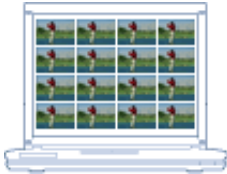
# Multi-Burst Mode/Frame-by-Frame Playback

The Multi-Burst Continuous Shooting function\* captures 16 continuous images\*\* at 1,280 x 960 pixels with a single press of the shutter button. Shooting intervals can be selected from 1/30, 1/15 and 1/7.5 second settings, making this function ideal for detailed analysis of continuous motions such as tennis strokes, golf swings and other sports moves. The images can be played back frame-by-frame with pauses to examine particular shots.

\* Some models may not have this feature.  
\*\*The data is recorded as a single JPEG file.



↑ (Shooting/Playback)  
Continuous images are shot with one extended press of the shutter button. Images can be played back automatically at certain intervals or frame by frame.



↑ (Playback on PC)  
Continuously shot images can be shown on a PC screen as indexed thumbnails in a single 1,280 x 960 pixel image.

## Auto Review Cancel

The Auto Review function normally shows the picture just taken for about 2 seconds on the LCD monitor. But the Auto Review Cancel function allows reviewing to be skipped by pressing the shutter button halfway. The camera is thus ready to take another shot without delay if a photo opportunity arises.

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# Easy-to-view LCD display

User-friendly operation, easy checking of images, and fun viewing outdoors

Clear Photo LCD	Clear Photo LCD Plus	TFT (Thin-Film Transistor) LCD
AR Coat	LR Coat	Touch Screen
Enlarged Icons	Playback Zoom	Function Guide (Icon Guidance)
Function Guide (Mode Guidance)	Function Guide (Image Size)	

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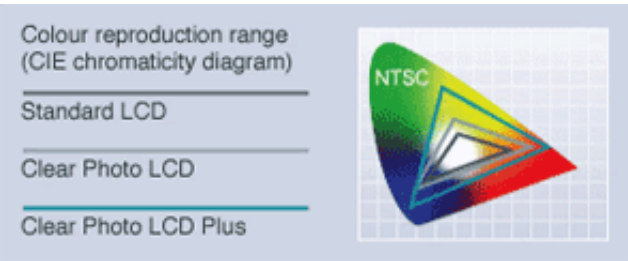
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## Clear Photo LCD

Clear Photo LCD delivers better visibility both indoors and outdoors, higher screen resolution, sharper contrast and more accurate colour reproduction than conventional hybrid LCD screens. Even under bright sunshine, the image does not wash out and users can check the framing and subject colour tones in detail.

## Clear Photo LCD Plus

Clear Photo LCD Plus, an improved version of Clear Photo LCD, allows users to check the composition and subject colours clearly even outdoors. Clear Photo LCD Plus features the same 230,000-pixel screen resolution as Clear Photo LCD, but offers roughly 1.6 times better colour reproduction. Now users can check the framing and focus more clearly even when shooting in bright outdoor conditions.

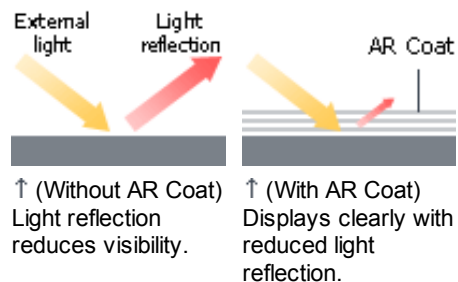


## TFT (Thin-Film Transistor) LCD

TFT LCD screens display images with fine detail and high-contrast, thanks to minute transistors placed at each pixel. Its wide viewing angle and fast response time contribute to smooth shooting performance.

## AR Coat

AR Coat is a multi-layer coating technology that reduces light reflection on LCD screens. An LCD screen with AR Coat produces crisper, more vivid images with sharper blacks even when viewed in bright sunshine.



## LR Coat

LR Coat is a single-layer, low-reflection coating technology that reduces light reflection on LCD screens. Since light reflection is minimised, users can check images clearly even outdoors.

## Touch Screen

Sony's Touch Screen LCD lets users configure camera settings just by directly touching menus on the screen with their fingers. Users can more easily operate the camera during the night, at sunset and in other dark conditions thanks to the LCD's bright screen.



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# Enlarged Icons

When a user selects the Super SteadyShot ON/OFF, Macro, Flash or Self-Timer setting, the icon temporarily enlarges on the LCD screen for a few seconds to clearly indicate the selected mode and help prevent setting mistakes.



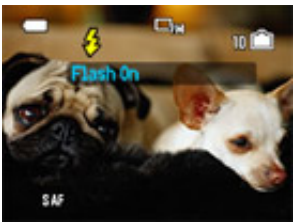
↑ The mode icon temporarily enlarges when selecting a mode. Then the display returns to its standard appearance.

# Playback Zoom

With the Playback Zoom function, users can zoom up the still image being displayed on the LCD screen and more accurately analyze its focus.

# Function Guide (Icon Guidance\*)

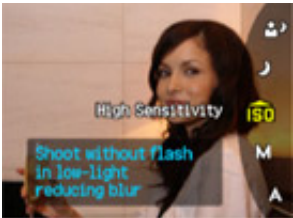
A pop-up guidance explains the meaning of on-screen function icons (such as flash, macro, self-timer settings, etc.) when changing settings. This contributes to easy configuration of camera settings according to shooting conditions and needs.



\* Modes and functions vary depending on the model. Some models may not have this feature.

# Function Guide (Mode Guidance\*)

When using the mode dial, enlarged icons and explanations of each mode selected are displayed on the LCD screen. This helps users choose the most suitable mode for each subject.



\* Some models may not have this feature.

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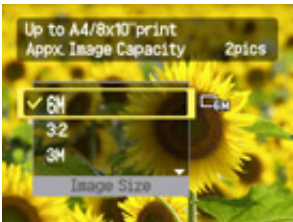
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# Function Guide (Image Size\*)

Recommended print size and available storage capacity, in terms of number of remaining images, is displayed based on the currently selected image size. This guidance helps to choose the best image size according to Memory Stick Capacity and the optimum print size.



\* Modes and functions vary depending on the model. Some models may not have this feature.

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# Enhanced enjoyment of captured images

Various functions and software for enjoying captured images

Pocket Album	Slide Show with Music	RAW Data Recording	TIFF Data Recording
Image Resize	Trimming	Picture Package	Cyber-shot Viewer
Picture Motion Browser	Nero Vision Express 3	Image Data Converter SR	PictBridge
Exif Print	PRINT Image Matching		

## Pocket Album

The Pocket Album function automatically stores photos and movies in the camera's internal memory. The images are stored separately from their original image data: a maximum of 500 to 1,100 images\* when saved at VGA size. So users can keep several dozen albums worth of photos in the camera even without using a Memory Stick. And they can show them to friends and family members whenever they want.

\* Number of stored images varies depending on model.



## Slide Show with Music

The camera can automatically create slideshows of stored images with music playing in the background. The user simply chooses one of four provided songs (or any song imported from a PC via bundled Music Transfer software), a playback tempo, and a sound effect\*. It's the easy way to enjoy tailored playback of images with favourite tunes.

\* Available sound effects vary depending on the model.



### Music Transfer

'Music Transfer' lets you change the preset music file for "Slide Show with Music" with one of your favourites via a PC. You can add up to 4 music files\* and delete them, too.

\* Max. 180 sec. per file. Preset melodies will be recovered by choosing 'Format Music'



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# RAW Data Recording

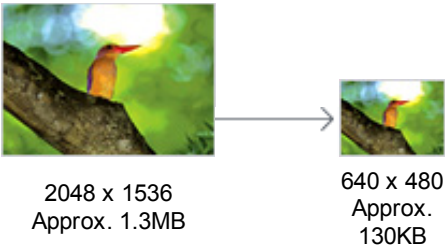
The RAW Data Recording mode saves each image as two files: a JPEG image file and RAW data from the CCD. The JPEG file allows viewing of the image on the LCD right after shooting, while the RAW data offers the highest possible image quality and can be edited with ease (exposure, white balance, etc.) on a computer using special editing software bundled with the camera.

# TIFF Data Recording

Uncompressed RGB-TIFF files are convenient when images will be processed with conventional image editing software for use in DTP or digital art.

# Image Resize

The Image Resize function lets users create reduced-size versions of images already captured. This feature is convenient when small images are required for e-mail attachments and other purposes.



# Trimming

Working in tandem with Sony's proprietary SRC technology, the Trimming function lets users crop an image without sacrificing image quality. In this way, the composition of the image can be altered. \*



\* The size of a trimmed image that can be saved varies depending on the camera.

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# Picture Package

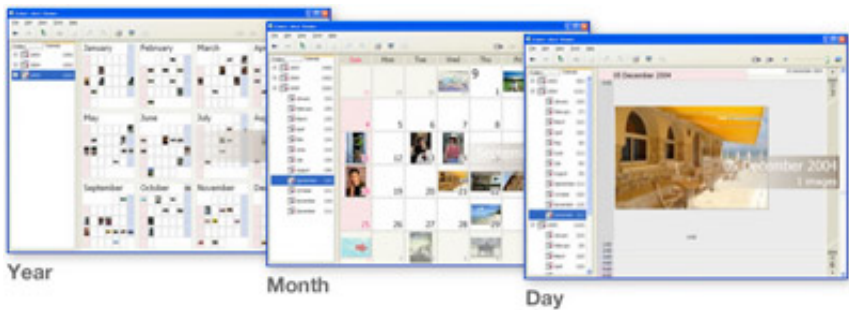
Picture Package software\* allows easy image editing. It can also automatically create original slideshows with background music and effects, order prints via the Internet, and display image thumbnails for easy photo management.



\* The software is not compatible with Mac OS.

# Cyber-shot Viewer

Cyber-shot Viewer image management software allows easy viewing and management of images on a PC. Since photos are organised by the date they were taken, finding images is especially easy. The software can even line up a day's photos in the order they were taken, or provide a thumbnail view of photos by year. In addition to serving as a flexible photo album, Cyber-shot Viewer can be used to smoothly transmit image data to PCs.



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## Picture Motion Browser

Picture Motion Browser image management software is bundled with the DSC-T10 for use on your PC. Once installed, it lets you easily upload images from your Cyber-shot and automatically organises the images by date in a calendar format to make images easy to find. This new application also offers a revolutionary “map view function” that enables you to organise your pictures by location and display it on a world map by using the optional GPS unit. This unique feature provides a new way to share fun memories with your family and friends.



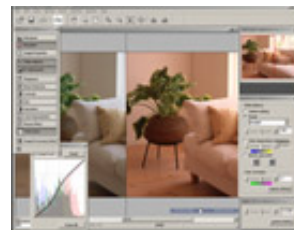
## Nero Vision Express 3

Nero Vision Express 3 is editing software for MPEG4 movie files. It lets users transfer recorded movie images to PCs for editing or adding special effects. Edited movie images can then be saved on DVDs by following simple steps. The software is ideal for editing original movie images to be uploaded on blogs.



## Image Data Converter SR

Image Data Converter SR is easy-to-use RAW data development software offering accelerated image display and development, as well as various editing features. Highly accurate adjustment of image parameters such as white balance and exposure is possible, using independent parameter windows. Vivid and other colour reproduction modes are provided. And image settings can be perfected on a PC using the histogram along with other features such as “before” and “after” windows for comparison. Highly flexible, the software creates files that are compatible with Adobe Photoshop.



Basic digital camera terms

High-quality image recording technology

Functions for matching shooting conditions

Long-lasting power for extended, worry-free shooting

Powerful zooming brings subjects closer

Vivid shooting in dark environments

Movie and continuous shooting functions

Easy-to-view LCD display

Enhanced enjoyment of captured images

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# PictBridge™



PictBridge™ is a printing standard that allows digital photos to be printed directly from cameras without using PCs. Once the camera and a compatible printer are connected via USB cable, the user simply selects the desired photo on the camera's LCD screen and prints. By eliminating the need to transfer image data to PCs, PictBridge™ makes printing quicker and easier.



## Exif Print

Exif Print is a digital camera standard that enables more faithful printing of images by supplying the compatible printer with information on the shooting conditions and camera settings used for each shot. When the camera and printer support Exif Print, no manual adjustments are necessary to obtain optimum printing results.

## PRINT Image Matching

PRINT Image Matching is a feature that makes it possible for compatible printers to print out images that faithfully reflect the shooting conditions and photographers' intentions.

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