



SPECIFICATIONS

FinePix HS20EXR	
Number of effective pixels*1	16.0 million pixels
Image sensor	1/2 -inch EXR CMOS with primary color filter
Storage media	Internal memory (approx.20MB) SD/SDHC/SDXC(UHS-I) memory card *2
File format	still image
	JPEG (Exif Ver 2.3*), RAW (RAF format), RAW+JPEG (Design rule for Camera File system compliant / DPOF-compatible)
Number of recorded pixels	movie
	H.264(MOV)
Number of recorded pixels	sound
	WAVE format, Stereo sound
Number of recorded pixels	Still image L : 4:3 4608x3456 L : 3:2 4608x3072 L : 16:9 4608x2592 Motion 360° Vertical 11520 x 1624 Horizontal 11520 x 1080
	M: 4:3 3264x2448 M: 3:2 3264x2176 M: 16:9 3264x1840 Panorama 180° Vertical 5760 x 1624 Horizontal 5760 x 1080
Number of recorded pixels	S: 4:3 2304x1728 S: 3:2 2304x1536 S: 16:9 1920x1080 120° Vertical 3840 x 1624 Horizontal 3840 x 1080
Lens	Fujinon 30 x optical zoom lens
Lens focal length	ƒ=4.2 - 126mm, equivalent to 24-720mm on a 35mm camera
Lens full-aperture	F2.8 (Wide) - F5.6 (Telephoto)
Lens constitution	11 groups 15 lenses
Aperture	F2.8-F11(Wide) F5.6-F11(Telephoto) 1/3EV step
Focus distance (from lens surface)	Normal : Wide: Approx. 50cm / 1.6ft. to infinity Telephoto: Approx. 3.0m / 9.8ft. to infinity Macro: Wide: Approx. 10cm - 3.0m / 0.3ft. - 9.8ft. Telephoto: Approx. 2.0m - 5.0m / 6.5ft. - 16.4ft. Super Macro: Approx. 1.0cm - 1.0m / 0.4in. - 3.2ft.
Sensitivity	Auto / Equivalent to ISO 100/200/400/800/1600/3200/6400*/12800* (Standard Output Sensitivity) *ISO6400 M mode or lower;ISO12800 S mode
Exposure control	TTL 256-zones metering, Multi, Spot, Average
Exposure mode	Programmed AE, Aperture Priority AE, Shutter Priority AE, Manual
Shooting modes	SP: Natural Light, Natural Light & Flash, Portrait, Portrait Enhancer, Dog, Cat, Landscape, Sport, Night, Night (Tripod), Fireworks, Sunset, Snow, Beach, Party, Flower, Text MODE DIAL : EXR, AUTO, P, S, A, M, C, PANORAMA, SP1, SP2, Adv
Image Stabilizer	CMOS shift type
Face detection	Yes
Exposure compensation	-2.0EV—+2.0EV 1/3EV step
Shutter speed	(Auto mode) 1/4 sec. to 1/4000 sec. , (All other modes) 30 sec. to 1/4000 sec. (combined mechanical and electronic shutter)
Continuous shooting (TOP)	L:TOP- 4/8 frames (3/5/8 frames/sec.) M:TOP- 4/8/16 frames (3/5/8/11 frames/sec.) S:TOP- 4/8/16/32 frames (3/5/8/11 frames/sec.)
(Best Frame Capture)	L: 8 frames (3/5/8frames/sec.) M: 8/16 frames (3/5/8/11 frames/sec.)
Auto bracketing	AE Bracketing : ±1/3EV,±2/3EV,±1EV Film Simulation Bracketing:PROVIA/STD, Velvia/VIVID, ASTIA/SOFT Dynamic Rang Bracketing :100%/200%/400%
Focus	(mode) Single AF/Continuous AF (EXR AUTO, Movie), Manual AF (One-push AF mode included) (type) TTL contrast AF, AF assist illuminator available (AF frame selection) Center,Multi,Area,Tracking

*1: Number of effective pixels: The number of pixels on the image sensor which receive input light through the optical lens, and which are effectively reflected in the final output data of the still image.
*2: Please see the Fujifilm website to check memory card compatibility.
*3: Exif 2.3 is a digital camera file format that contains a variety of shooting information for optimal printing.

Number of images / recording time

Mode	Still image																		Movie**						
Number of recorded pixels	4608-3456(L 4:3)		4608-3072(L 3:2)		4608-2592(L 16:9)		3264-2448(M 4:3)		3264-2176(M 3:2)		3264-1840(M 16:9)		2304-1728(S 4:3)		2304-1536(S 3:2)		1920-1080(S 16:9)		HD		VGA				
Quality	FINE	NORMAL	FINE	NORMAL	FINE	NORMAL	FINE	NORMAL	FINE	NORMAL	FINE	NORMAL	FINE	NORMAL	FINE	NORMAL	FINE	NORMAL	HD1920**	HD1280**	640**	80fps**	160fps**	320fps**	
Internal memory (approx.20MB)	2	4	3	5	3	6	4	9	5	10	6	12	9	19	10	21	18	28	11sec.	10sec.	32sec.	65sec.	261sec.	261sec.	
SDHC memory card	4GB	630	1000	710	1120	840	1330	990	1960	1120	2210	1330	2630	1990	3870	2210	4270	3750	5630	38min	38min	115min	229min	917min	917min
	8GB	1260	2020	1430	2260	1690	2670	2000	3950	2260	4440	2670	5290	4010	7770	4440	8580	7540	11310	76min	76min	232min	460min	1841min	1841min
	16GB	2520	4010	2830	4490	3360	5310	3980	7840	4490	8820	5310	10510	7960	15440	8820	17030	14970	22450	152min	152min	460min	914min	3656min	3656min

Actual number of frames and recording time vary depending on the types of memory card or shooting conditions.

*1 Individual movie files cannot exceed approx. 29 minutes.
*2 Individual movie files cannot exceed approx. 115 minutes.
*3 Individual movie files cannot exceed approx. 30 sec.
*4 Use a class 4 card or better when shooting HD movie.

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OPTIONAL ACCESSORIES

AC Power Adapter AC-5VX
DC coupler CP-04
Lens hood LH-HS10
Remote release RR80
Shoe Mount Flash EF-42/EF-20

Accessory availability may vary by country.
Please check with your local Fujifilm representative to confirm product availability.

ACCESSORIES INCLUDED

- 4xAA type alkaline batteries
- Shoulder strap
- USB cable
- A/V cable
- Lens cap and Lens cap cord
- CD-ROM
- Owner's manual
- Lens hood

White balance	Automatic scene recognition Preset: Fine, Shade, Fluorescent light (Daylight), Fluorescent light (Warm White), Fluorescent light (Cool White), Incandescent light, Custom
Self-timer	Approx. 10 sec./2 sec. delay
Flash	Auto Flash (super intelligent flash) Effective range: (ISO AUTO): Wide: Approx. 30cm - 7.1m / 1ft. - 23.2ft. Telephoto: Approx. 2.0m - 3.8m / 6.5ft. - 12.4ft. Flash modes: Red-eye removal OFF: Auto, Forced Flash, Suppressed Flash, Slow Synchro. Red-eye removal ON: Red-eye Reduction Auto, Red-eye Reduction & Forced Flash, Suppressed Flash, Red-eye Reduction & Slow Synchro.
Hot shoe	Yes
Electronic Viewfinder	0.2-inch., approx. 200,000 dots, color LCD viewfinder approx. 97% coverage
LCD monitor	3.0-inch, approx. 460,000 dots, TFT color LCD monitor, approx. 100% coverage
Movie recording	1920 x 1080 pixels(30 frames/sec.) / 1280 x 720 pixels(60 frames/sec.) / 640 x 480 pixels (30 frames / sec.) with stereo sound Optical zoom can be used.
Photography functions	EXR mode, Face Detection, Auto red-eye removal, Motion Panorama360, Film simulation, Framing guideline, Frame No. memory, Histogram display, Zoom Bracketing, Best frame capture, Instant Zoom, Face recognition, High Speed Movie (80/160/320 frames/sec), Electronic level, One-touch RAW,Advanced Anti Blur
Playback functions	Face Detection, Auto red-eye removal, Multi-frame playback (with micro thumbnail), Protect, Crop, Resize, Slide show, Image rotate, voice memo, histogram display, exposure warning, Photobook assist, image search, Favorites, Mark for upload, Panorama, Erase selected frames
Other functions	PictBridge, Exif Print, 35 Languages, Time difference, Silent mode
Terminal (Video output) (Digital interface) (HDMI output)	NTSC/PAL selectable with stereo sound USB2.0 High-Speed HDMI Mini connector
Power supply	4xAA type alkaline batteries (included) / 4xAA type Ni-MH rechargeable batteries (sold separately) 4xAA type lithium batteries (sold separately) / CP-94 with AC power adapter AC-5VX(sold separately)
Dimensions	130.6 (W) x 90.7 (H) x 126.0 (D) mm / 5.1 (W) x 3.6 (H) x 5.0 (D) in.
Weight	Approx. 636g / 22.4 oz. (excluding accessories, battery and memory card) Approx. 730g / 25.7oz. (including battery and memory card)
Operating Temperature	0°C—40°C
Operating Humidity	10%-80% (no condensation)
Guide to the number of available frames for battery operation	Alkaline batteries: Approx. 350 frames Ni-MH rechargeable batteries : Approx. 400 frames Lithium batteries : Approx. 700 frames

FUJIFILM

FINEPIX HS20EXR

30x

Manual Barrel Zoom



Zoom in 30x closer to real life.

EXR
CMOS



Specifications are subject to change without notice.
All sample photos are simulated images.

For more information, please visit our Website:
http://www.fujifilm.com/products/digital_cameras/index.html

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| 16 Megapixel EXR CMOS Sensor | Fujinon 30x Optical Zoom (24mm-720mm) | Image Stabilization (CMOS Shift + High ISO) |

FUJIFILM FinePix. More than you imagined.

FULL HD
MOVIE & PHOTO

Close up, long distance, and everything in between...



VERSATILITY 24mm-720mm Wide-Tele Zoom with Manual Zoom and Super Macro Mode

With just a twist of the lens barrel, the manual zoom instantly takes you from 24mm wide-angle landscapes to super 30x telephoto close-ups of distant wildlife. Select the remarkable 1cm Super Macro Mode and ordinary subjects like flowers or even a raindrop become extraordinary photos. No bulky lenses to carry around and you don't need to worry about getting dust on the lens or sensor. With the sealed integrated lens design, you enjoy "all in one" convenience and breathtaking Fujinon optical quality across the entire zoom range!



Super Macro Mode



RESPONSE High-speed AF, Fast start-up and Manual barrel zoom

You can seize the moment with your HS20EXR. With the quick ON function, the camera wakes from standby mode about a second faster than starting up from a power OFF state. With the twist-barrel Manual Zoom, you swiftly achieve the perfect zoom setting, and in as little as 0.160 seconds*, ultra-fast AF brings your subject into razor sharp focus. Speedy shooting performance powered by the super-fast 16-megapixel EXR CMOS is your key to capturing every amazing moment perfectly.

*Fujifilm research

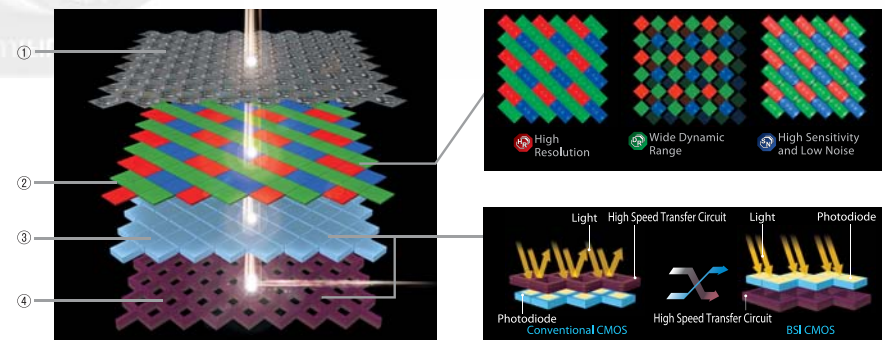
Cutting-edge technology from Fujifilm



SPEED NEW 16 Megapixel BSI EXR CMOS Sensor

Advanced image quality, improved low-light sensitivity and faster performance! The new BSI (Back Side Illuminated) EXR CMOS sensor can capture not only incredible detail with a 16 megapixel resolution, but also up to 1600% wider dynamic range and ISO 12800 sensitivity. High-speed response and output lets you photograph action that even your eyes can't see with high-speed continuous shooting at 8fps at full 16MP resolution even at 30x zoom! This technology also allows for exciting new features such as improved Pro Low-light mode with advanced anti-blur correction, high-speed video shooting at up to 320fps and Full HD 1080p movie capture at 30fps.

EXR Pixel Array & Color Array – Only available on FinePix Cameras. Rotated 45 degrees, the unique EXR pixel array packs the pixels in close together for an improved light gathering capacity. The Fujifilm color filter array of diagonally aligned paired pixels is the key to EXR's SN mode for low light photography and accurate color expression.



BSI (Back Side Illuminated) CMOS
Moving the wiring from the centre layer, where it blocks incoming light, to the reverse of the sensor, vastly improves sensitivity and reduces noise.

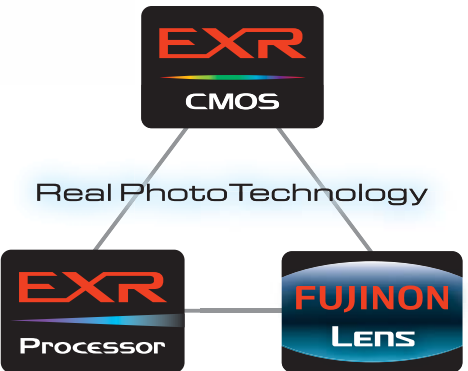
VISION Fujinon Lens Excellence

Fujinon is the "World's Most Trusted Lens" for professionals in the TV and film industries, medical care, satellite imaging and, of course, photographic. This same uncompromising commitment to optical excellence has equipped the FinePix HS20EXR with the best 30x optical zoom in its class.



POWER EXR Processor

Harnessing the high-speed output performance of the BSI EXR CMOS sensor, the Dual CPU, EXR Core and Reconfigurable Processor power a host of functions including high-sensitivity HD movies and continuous shooting as well as expanded scene recognition and Pro Modes while the new Vector Graphics Accelerator drives the enhanced image quality of the rich GUI.



Never miss a moment with High Speed Continuous Performance

The combination of EXR CMOS brings speed and high resolution performance together, meaning you not only capture every second of the action, but also have the ability to crop and/or enlarge your best images to A3 size, without compromising on image quality.



Extraordinary low-light photography

In dim lighting, SN mode doubles the size of the pixels and guarantees low noise levels to produce true to life colors and excellent accuracy.



Conventional digital camera



FinePix HS20EXR

Confidence in every scene

STABILITY High-quality blur-free images even at 30x zoom

Long telephoto shots usually suffer from camera shake and subject movement which can ruin photos by producing blurred results. The HS20EXR's highly effective CMOS-shift and high ISO image stabilisation ensures that your shots stay extra-crisp and clear, even at the full 30x zoom.

【Advanced Anti Blur】

When shooting dark scenes or when using the zoom in EXR Auto mode, Advanced Anti Blur adds the power of EXR CMOS and Multi Frame technology to combine 4 frames into a single, sharp blur-free image with remarkably low noise.



Conventional digital camera

FinePix HS20EXR

30x

ACCELERATED EXPRESSION EXR high-speed performance

【High Speed Continuous Shooting】

Capture the action at 8fps at the full 16 megapixel resolution (max. 8 frames) or shoot at 11 fps at 8-megapixel resolution (max. 16 frames). Later you can preview individual frames on the large 3.0" LCD screen, or check the auto playback of the entire burst sequence in a mini window.



【High Speed Auto Focus】

Bringing the subject into focus in as little as 0.160 seconds*, High Speed Auto Focus ensures that each frame in your burst sequence is captured in sharp clarity.

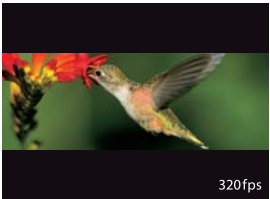
*Fujifilm research



【Super High Speed Movie】

The drama of sports and other action is multiplied when viewed in slow motion. Super High Speed Movie lets you capture the scene at up to 320 fps and see each step in vivid detail.

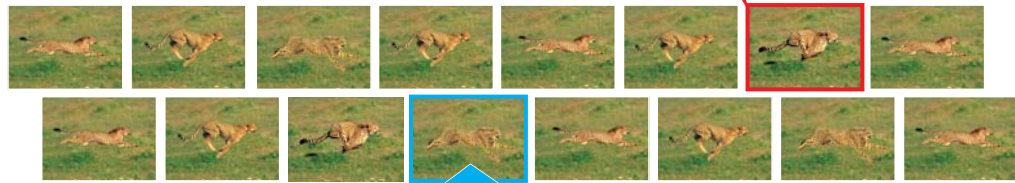
* Super High Speed Movie can be recorded at the following speeds and sizes: 320 fps (320x112 pixels), 160 fps (320 x 240 pixels), 80 fps (VGA 640 x 480 pixels).



【Best Frame Capture】

Timing your shot is ever so easy with Best Frame Capture. Half-press the shutter and the HS20EXR starts recording photos at 11fps at 8 megapixel resolution. When the moment happens, fully press the shutter button and the camera captures up to 16 frames giving you the opportunity to select the best shot.

Half Depressed Shutter Button



Fully Depressed Shutter Button

EXR AUTO 27 scene mode EXR Auto

Fujifilm's Intelligent Scene Recognition technology instantly identifies 10 types of basic scene, and calculates whether or not a person is present and how much light is available. The HS20EXR selects from 27 different scene types and optimizes white balance, focus, exposure and other settings accordingly.

Stunning shots, first time, every time with EXR Auto.



☁ Sky



🌿 Greenery

	Auto	Land scape	Night	Macro	Beach	Sunset	Snow	Sky	Greenery	Sky & Greenery
Portrait	1	2	3		4	5	6	7	8	9
Backlight Portrait	10	11			12	13	14	15	16	17
No Person	18	19	20	21	22	23	24	25	26	27

Full 1080p HD movies and photos

The HS20EXR not only lets you shoot Full HD movies, but also expands enjoyment with a variety of powerful features.

- **HD Movie + EXR High Sensitivity**
Shoot stunning movies in challenging lighting conditions. Capture vibrant night-time cityscapes and dull weather days in bright 1080p HD detail.
- **HD Movie + Film Simulation**
Enhance your movie with your choice of 3 film types (Standard/B&W/Sepia) and add a classic touch to your cinematic creation.
- **HD Movie + 30x Zoom**
Use the full power of the best-in-class zoom lens when shooting. Set the scene with a 24mm wide angle shot and then zoom in for an amazing close-up!
- **HD Movie + HDMI port**
Share your movie and photos with friends and family with plug-and-play ease. Using the built-in HDMI port, just plug the HS20EXR directly into any HDTV and let the show begin!
*HD cable required (sold separately).

EXR EXR-Mode

The uniqueness of an EXR sensor is its ability to adapt its settings to the demands of the shot. With three modes that you can manually select, it is unlike any other sensor on the market and is only available on Fujifilm cameras. HR High Resolution is perfect for well lit conditions and uses all 16 million pixels. SN High Sensitivity Low Noise mode is designed for use at night or in dark conditions and it halves the number of pixels to create 8 million superpixels which are extra sensitive to light. DR Dynamic Range mode is suited to high-contrast conditions where you have both bright sunlight and dark shadows present. It works by combining one high-exposure and one low-exposure shot to create an 8 megapixel image with detail in both the highlights and in the shadows.



FS Film Simulation

Give your photos the distinctive look of 5 classic film emulsions loved by professionals. That special quality that could only be captured on film is now available digitally at the touch of a button.

- Velvia/Vivid Mode
- PROVIA/Standard Mode
- ASTIA/Soft Mode
- Black & White Mode
- Sepia Mode



360° Motion Panorama 360

Capture full 360 degree panoramic photos without having to do any in-camera editing. Hold the camera vertically or horizontally and sweep the camera to the right or left, up or down. The EXR processor then stitches the images into a seamless panoramic shot.



Extreme quality is easy with EXR

Bracketing Functions

【Film Simulation Bracketing】

With a single shutter release, the HS20EXR produces three images of the same scene in Velvia, PROVIA and ASTIA. Later you can decide which film quality best expresses the moment.



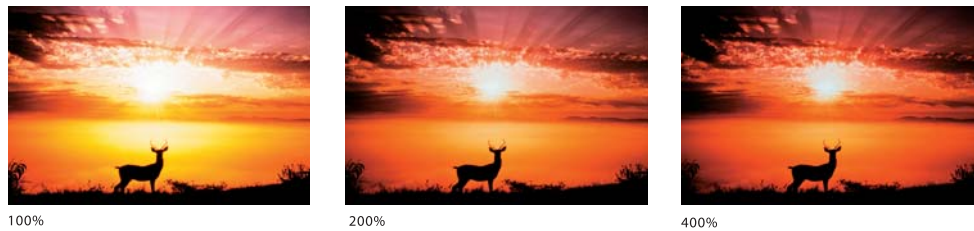
【AE Bracketing Mode】

When professionals want to be sure of the right exposure in challenging lighting situations, they select AE Bracketing. The HS20EXR will take 3 shots of the scene: one with the ideal aperture and shutter speed for the metered conditions plus one under-exposed and another over-exposed in a range up to $\pm 1.0\text{EV}$.



【Dynamic Range Bracketing】

Let the HS20EXR capture three images with Dynamic Range settings of 100%, 200% and 400%, leaving you free to concentrate on composing the perfect shot.



Pro Low-Light Mode

In low light situations, Pro Low-light mode uses multi-image capture technology and the enhanced sensitivity, speed and resolution of the new EXR BSI CMOS sensor to capture breathtaking photos with minimal noise. The high-speed sensor captures 4 exposures of the same low-light scene and combines them into a single 8-megapixel image with amazing brightness and clarity and less noise than ever before.



Tracking Auto Focus

Keeping a moving subject in focus is easy with Tracking Auto Focus. Select TRACKING with the AF mode button. When you are ready to start tracking the subject, position the subject in the focus target and press the left Selector button. When you press the shutter, you can be confident that your subject is captured in sharp, clear detail no matter how fast it is moving. This feature is ideal for shooting long zoom shots.



Functions & Features

■ TTL Flash Ready

The perfect fill-in flashes when shooting outdoors or for portraits. Shown here are the ultracompact flash, which has a bounce function of up to 90 degrees, and the lightweight EF-42, which is capable of swiveling 90 degrees up, 180 degrees left and 120 degrees right.



■ Shutter Button

Durable shutter button (with optional remote shutter release).

■ Rubber Coating

Featuring a sure-grip rubber coating usually found on high-end D-SLRs.

■ Long Life Battery

Powered by 4 x AA batteries, the HS20EXR is perfect for travellers and will be ready for the action even if you are in the jungle or on safari for days on end with no electricity to hand.

■ Direct Shooting Command Buttons

Quickly access and adjust camera settings and controls with direct shooting command buttons conveniently located to the left of the LCD.

ISO ISO Button

Adjust the ISO sensitivity for exceptional low-light performance with minimal noise.

AE AE Button

One touch switches the camera from Multi AE to Spot AE for ideal subject exposure.

AF AF Button

Instantly switch to AF and let the camera keep your subject in perfect focus.

AF C/S/M Button

Switch between Single Auto Focus, Continuous and Manual at the touch of a button.

WB WB Button

Choose Auto WB and let the HS20EXR optimize the white balance for you or select a preset according to your requirements.



■ Histogram Display

Enthusiasts will appreciate this real-time assistance for setting the exposure before shooting.



■ Super Intelligent Flash

Take flash-assisted shots without flash washout. Integrated in the AUTO mode, this next generation flash system makes it easy to capture subjects and background in bright, clear and natural detail over the full flash range including ultra close-ups.



■ Easy Access Memory Slot

Flip-open compartment for the SD / SDHC/SDXC card slot on the right side of the body facilitates easy access when mounted on a tripod.



■ Lens Hood

The HS20EXR comes with a lens hood and is compatible with commercially available filters.



■ Micro Thumbnail View

Up to 100 pictures can be viewed at a time in a 10x10 array of micro thumbnails.

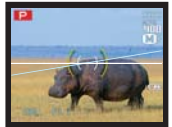


■ Focal Length Guide

When the lens is extended, markings on the barrel and lens ring let you know the focal length.

■ Electronic Viewfinder (EVF) with "Eye Sensor" & Horizon Level

Put your eye to the EVF and "the eye sensor" automatically switches display from the LCD to the highly responsive viewfinder. Aligning the image with the true horizon while framing the shot is easy with the level line display in the viewfinder.



■ Slant Mode and Command Dial

Fingers naturally find their way to the ergonomically slanted mode and command controls.

■ Movie REC Button

No menu hunting. One touch lets you capture all the action in full 1080p HD at 30 fps with stereo audio.

■ One-touch RAW Button

You can preset to record images in JPEG, RAW or both formats as default. But if you only select one format, you can record in both when necessary just by pressing this button.

■ "Tilting" 3.0-inch, 460,000-dot LCD Screen

The tiltable screen provides a flexible viewing angle both vertically and horizontally to ensure that you can always capture that shot - however awkward your position. Plus with its high-contrast, high resolution screen you'll be able to see the images even in bright sunlight.

