

DSC-HX99

HX99 Compact Camera with 24-720mm zoom
Powerful zoom and serious performance



Despite its compact size, the HX99 incorporates high-level features and delivers outstanding performance. With 24-720mm zoom, 4K video, Fast Intelligent AF and Eye AF, touch operation, OLED Tru-Finder™ and handy control ring, it's ready for just about anything.

- 18.2 MP Exmor R™ CMOS sensor
- 4K video recording
- Electronic viewfinder and control ring

Technical Summary

Icon Description <ul style="list-style-type: none">• ZEISS® Vario-Sonnar T* 24-720 mm zoom lens• 4K video recording with full pixel readout• Highly accurate Fast Intelligent AF and Eye AF• Clear, high-contrast OLED Tru-Finder and handy control ring• 180° tiltable LCD touch screen for easy framing of selfie shots	Key Technical Specification <ul style="list-style-type: none">• Sensor Type 1/2.3 type (7.82mm) Exmor R CMOS sensor• Number of Pixels (Effective) Approx. 18.2 Megapixels• ISO Sensitivity (Still Image)(Recommended Exposure Index) Auto(ISO80-3200, selectable with upper / lower limit), 80/100/200/400/800/1600/3200(Extendable to ISO6400), Multi-Frame NR:Auto(ISO80-3200 same as selected range in Auto), 100/200/400/800/1600/3200/6400/12800	What's in the box? <ul style="list-style-type: none">• Rechargeable Battery Pack NP-BX1, AC Adaptor, Micro USB cable, Wrist Strap, Instruction Manual
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Specifications

Sensor Sensor Type Number of Pixels (Effective)	1/2.3 type (7.82mm) Exmor R CMOS sensor Approx. 18.2 Megapixels	Lens Lens type F-number (Maximum Aperture) Focal length (f=) ANGLE OF VIEW (35MM FORMAT EQUIVALENT) (STILL IMAGE) Focus Range (From the Front of the Lens) Optical Zoom Clear Image Zoom (Still Image) Clear Image Zoom (Movie) Digital Zoom (Still Image) Digital Zoom (Movie)	ZEISS Vario-Sonnar T* Lens, 11 elements in 10 groups (5 aspheric elements) F3.5 (W) - 6.4 (T) f=4.25-118mm 84deg.-3deg.30min.(24-720mm) Auto: AF (W Approx. 5cm (0.16 ft.) to Infinity, T: Approx. 250cm (8.20 ft.) to Infinity) / Program Auto: AF (W Approx. 5cm (0.16 ft.) to Infinity, T: Approx. 250cm (8.20 ft.) to Infinity) 28x 18M Approx.60x / 10M Approx.80x / 5.0M Approx.113x / VGA Approx.459x / 13M(16:9) Approx.60x / 2.1M(16:9) Approx.153x 4KApprox. 45x,HD:Approx. 60x 18M Approx.120x / 10M Approx.161x / 5.0M Approx.226x / VGA Approx.459x / 13M(16:9) Approx.120x / 2.1M(16:9) Approx.306x Approx. 120x
Screen Screen Type Adjustable Angle Display Selector (Finder/Lcd) MF Assist Magnification Touch Panel	7.5cm (3.0type) (4:3) / 921,600 dots / Xtra Fine / TFT LCD Up by approx. 180 degrees Auto/EVF 7.7x, 15.3x Yes	Viewfinder Screen Type/Number of Dots Field Coverage Magnification Eye Point Dioptre Adjustment Brightness Control	0.2-type electronic viewfinder(OLED), 638,400dots 100%, 4K Movie: Approx.97% Approx. 0.5x with 50mm lens at infinity, -1m-1(diopter) (35mm equiv.) Approx.20mm from the eyepiece, 19.2mm from the eyepiece frame at -1m-1(diopter) (CIPA standard) -4.0 to +3.0m-1 Auto, Manual(5steps)
Camera Image Processing Engine Steadyshot Steadyshot (For Movie) Focus Type Focus Mode Focus Area LOCK ON AF Light Metering Mode Exposure Compensation ISO Sensitivity (Still Image)(Recommended Exposure Index) ISO Sensitivity (Movie) Minimum Illumination (Movie) White Balance Modes WB Micro Adjustment Shutter Speed Aperture Image Control Noise Reduction Dynamic Range Functions Shooting Mode Scene Selection Continuous Shooting Speed (maximum) (with max. recording pixels) Self-Timer Drive Modes Panorama (Shooting) Picture Effect Creative Style Number of Recognised Scenes	Yes (BIONZ X) Optical Yes (Intelligent Active Mode, Optical type with electronic compensation, Anti Rolling type) Contrast detection AF Single-shot AF, Continuous AF (Movie Only), DMF, Manual Focus Wide, Center, Flexible Spot (S/M/L), Expanded Flexible Spot yes Multi Pattern, Center Weighted, Spot, Entire Screen Avg, Highlight +/- 3.0 EV, 1/3 EV step Auto(ISO80-3200, selectable with upper / lower limit), 80/100/200/400/800/1600/3200(Extendable to ISO6400), Multi-Frame NR:Auto(ISO80-3200 same as selected range in Auto), 100/200/400/800/1600/3200/6400/12800 Auto(ISO80-3200, selectable with upper / lower limit), 80/100/200/400/800/1600/3200(Extendable to ISO6400) Auto: 9lux (Shutter Speed 1/30) Auto, Daylight, Shade, Cloudy, Incandescent, Fluor.: Warm White, Fluor.: Cool White, Fluor.: Day White, Fluor.: Daylight, Flash, C. Temp./Filter, Custom1, Custom2, Custom3, Custom Setup G7-M7 (57 steps) , A7-B7 (29 steps) iAuto (4" - 1/2000) / Program Auto (1" - 1/2000) / Aperture Priority (8" - 1/2000) / Shutter Priority (30" - 1/2000) / Manual (30" - 1/2000) iAuto(F3.5-F6.3(W) / Program Auto(F3.5-F6.3(W)) / Manual(F3.5-F8.0(W) / Aperture Priority(F3.5-F8.0(W) / Shutter Priority(F3.5-F6.3(W) Contrast, Saturation, Sharpness, Creative Style, Color Space, Quality(RAW / RAW6)/JPG (Extra fine, Fine, Standard) / JPEG (Extra fine, Fine, Standard) high ISO NR:Normal/Low, Multi Frame NR:Auto, ISO100-12800 Off, Dynamic Range Optimizer (Auto/Level 1-5), Auto High Dynamic Range: Off, Auto Exposure Difference, Exposure difference Level (1.0-6.0EV, 1.0EV step) Auto(Intelligent Auto/Superior Auto), Program Auto, Aperture Priority, Shutter Speed Priority, Manual Exposure, MR(Memory Recall) 1, 2, Movie Mode(Program Auto, Aperture Priority, Shutter Speed Priority, Manual Exposure), Sweep Panorama, Scene Selection Portrait, Macro, Landscape, Sunset, Night Scene, Handheld Twilight, Night Portrait, Anti Motion Blur, Pet, Gourmet, Fireworks, High Sensitivity Spd Priority Cont. Approx. 10 fps, Cont. Shooting Approx. 3 fps Off / 10sec. / 5sec. / 2sec. / 3 consecutive shots with 10sec. 5sec. or 2sec. / 5 consecutive shots with 10sec. 5sec. or 2sec. Single, Continuous shooting, Spd Priority Cont, Self-timer, Self-timer(cont.), Cont.-bracketing, Single-bracketing, White balance bracketing, DRO bracketing Sweep Panorama [Still Image]: Toy camera, Pop Color, Posterization, Retro Photo, Soft High-key, Partial Color, High Contrast Mono., Soft Focus, HDR Painting, Richstone Monochrome, Miniature, Watercolor, Illustration, [Movie]: Toy camera, Pop Color, Posterization, Retro Photo, Soft High-key, Partial Color, High Contrast Mono. Standard, Vivid, Portrait, Landscape, Sunset, Black & White, Sepia [Still Image]: Superior Auto: 44 / iAuto: 33; [Movie]: 44	Flash Flash Mode Flash Type AF Illuminator Bracketing Flash Range	Flash Off / Autoflash / Fill Flash / Slow Sync. / Rear Sync. Built-in, manual pop-up Auto / Off Yes ISO Auto: Approx.0.3m to 5.4m(11 13/16 inches to 17 feet 8 19/32 inches)(W) / Approx.2.5m to 3.0 m(8 feet 2 27/64 inches to 9 feet 10 7/64 inches)(T)
Recording Compatible Recording Media Recording Format Recording Format (Movie Audio) Colour Space (Still) DCF/DPOF DCF/DPOF/EXIF/MPF Still Image Number of recorded pixels (Image Size) Movie Recording Mode (NTSC) Movie Recording Mode (PAL) Proxy Recording	Memory Stick Micro, Memory Stick Micro (Mark2), microSD Memory Card, microSDHC Memory Card, microSDXC Memory Card [Still Image]: JPEG(DCF Ver.2.0, Exif Ver.2.31, MPF Baseline compliant), RAW (Sony ARW2.3 format), [Movie]: XAVC S, [AVCHD format Ver.2.0 compatible] XAVC S: LPCM 2ch, AVCHD: Dolby Digital (AC-3) 2ch (Dolby Digital Stereo Creator) sRGB, Adobe RGB DCF, DPOF, EXIF, MPF 3:2mode: 16M(4,896×3,264)/8.9M(3,648×2,432)/4.5M(2,592×1,728)/4.3mode: 18M(4,896×3,672)/10M(3,648×2,736)/5M(2,592×1,944)/VGA(640×480), 16:9mode: 13M(4,896×2,752)/7.5M(3,648×2,056)/2.1M(1,920×1,080), 1:1mode: 13M(3,664×3,664)/7.5M(2,736×2,736)/3.7M(1,920×1,920), Sweep Panorama: Wide(12,416×1,856/5,536×2,160), Standard(8,192×1,856/3,872×2,160) PAL/NTSC Selector: [NTSC] AVCHD: 24M FX(1,920x1,080/60i)/ 17M FH(1,920x1,080/60i), XAVC S 4K: 30p 100M(3,840x2,160/30p)/ 30p 60M(3,840x2,160/30p)/ 24p 100M(3,840x2,160/24p)/ 24p 60M(3,840x2,160/24p), XAVC S HD: 60p 50M(1,920x1,080/60p)/ 60p 25M(1,920x1,080/60p)/ 30p 50M(1,920x1,080/30p)/ 30p 16M(1,920x1,080/30p)/ 24p 50M(1,920x1,080/24p)/ 120p 100M(1,920x1,080/120p)/120p 60M(1,920x1,080/120p) PAL/NTSC Selector: [PAL] AVCHD: 24M FX(1,920x1,080/50i)/ 17M FH(1,920x1,080/50i), XAVC S 4K: 25p 100M(3,840x2,160/25p)/ 25p 60M(3,840x2,160/25p)/ XAVC S HD: 50p 50M(1,920x1,080/50p)/ 50p 25M(1,920x1,080/50p)/ 25p 50M(1,920x1,080/25p)/ 25p 16M(1,920x1,080/25p)/ 100p 100M(1,920x1,080/100p)/ 100p 60M(1,920x1,080/100p) Yes	Interface Input and Output Terminals NFC Wi-Fi Bluetooth	Multi/Micro USB Terminal, Hi-Speed USB (USB2.0), Micro HDMI NFC forum Type 3 Tag compatible, One-touch remote, One-touch sharing Yes(IEEE802.11b/g/n(2.4GHz band)) Yes(Ver.4.1) Yes
Power Power Source Battery System Power Consumption (Camera Mode) USB Charge/USB Power Supply BATTERY LIFE(STILL IMAGES)(CIPA) BATTERY LIFE(MOVIES ACTUAL SHOOTING)(CIPA) BATTERY LIFE(MOVIES CONTINUOUS SHOOTING)(CIPA)	DC3.6V(supplied battery)/ DC5.0V(supplied AC adaptor) NP-BX1 Approx. 1.5W with LCD monitor and approx. 1.8W with viewfinder(CIPA standard) Yes (with supplied AC Adaptor and supplied Battery) Monitor: Approx. 370 / Approx. 185min., Monitor (When Auto Monitor off is set to 2sec.): Approx. 460 / Approx. 230min., ViewFinder: Approx. 300 / Approx. 150min. Monitor: Approx. 55min., ViewFinder: Approx. 55min. Monitor: Approx. 95min., ViewFinder: Approx. 100min.	Others Shooting Functions Playback Functions TRILUMINOS Color 4K image output Operating Temperature	Eye AF, Face Detection, Face Registration, Smile Shutter, Grid Line, Step Zoom/Quick Zoom, Digital Level Gauge, WB Bracketing, DRO Bracketing, MF Assist, Peaking, Zebra, Marker Display, Micref Level, Zoom Assist, My Menu Setting, Self-portrait timer BRAVA Sync (Control for HDMI), 9/25-frame index view, Auto Orientation, Slide Show, Forward/Rewind (Movie), Delete, Protect, Motion Shot Video, Automatic Image Rotation, Cont Shoot Grouping Yes Yes 0 degrees C. - +40 degrees C. / 32 degrees F. - 104 degrees F.
Print Print	Exif Print, PRINT Image Matching (PIM3)	Size & Weight DIMENSIONS (W X H X D) (APPROX.) WEIGHT (CIPA COMPLIANT)	102.0mm x 58.1mm x 35.5mm(4 1/8 in. x 2 3/8 in. x 1 7/16 in.) Approx. 242g (8.6oz) (Battery and Memory Card are included)/Approx. 216g (7.7oz) (Body Only)

Features

The world's smallest camera with wide zoom range

Covering the range from wide-angle 24mm to telephoto 720mm, the HX99 is the perfect camera for everything from memorable travel photos to everyday snapshots. The ZEISS® Vario-Sonnar T* lens delivers superb image quality all across the zoom range, and the Clear Image Zoom feature allows further magnification of the subject (up to 1440mm) while preserving high resolution. [1] 24mm [2] 720mm [3] 1440mm

4K movies recorded with full pixel readout

The HX99 is the first in the HX-series to record 4K video (QFHD, 3840 x 2160 pixels). High-quality 4K video is achieved with a full sensor pixel readout, and no pixel binning - collecting approximately 1.6x as much information as is required. This oversampling effect results in images of outstanding resolution with reduced moiré and jaggies.

Exmor R™ and BIONZ X™ deliver superb image quality

The HX99's image sensor — an 18.2 megapixel (effective) back-illuminated CMOS sensor — works with the advanced BIONZ X image-processing system to deliver superb image quality, even for fine textures and details. With a range of ISO80-6400 (expanded), even dimly lit scenes can be beautifully shot, while colour-reproduction improvements produce natural-looking skin tones.

Fast Intelligent AF to capture decisive moments

The camera adopts Fast Intelligent AF using highly accurate contrast-detection autofocus with 0.09-second response. It achieves focus by minimising wasted lens motion, predicting AF range and accelerating the lens drive, improving response so you can capture even more fleeting moments.

Eye AF feature for perfect portrait shots

The camera's sophisticated Eye AF feature can be activated to automatically detect and focus on the eyes of the main subjects in your shots. It rapidly and accurately detects eyes even under difficult conditions, such as when the subject is looking downward or when faces are backlit or dimly lit.

Image stabilisation with Optical SteadyShot™

Designed for handheld shooting and when shooting at telephoto zoom settings, even with high magnification, the camera's Optical SteadyShot feature stabilises the image and effectively reduces camera shake by relying on a high-performance gyro-sensor and a specialised algorithm. Because this is an optical function, image stabilisation is performed without lowering resolution. [1] SteadyShot OFF [2] SteadyShot ON

Control ring for advanced photography

The convenient lens-mounted control ring allows you to operate pro-style manual controls such as selecting shutter speed, aperture, and more for added creative control — so there's no need to compromise your vision because of the camera's compact size.

Touch Pad AF

When using the viewfinder, use Touch Pad AF to shift focus smoothly and easily, simply by sliding your finger across the LCD screen.

Zoom Assist

If you lose track of a moving subject while framing with zoom, the Zoom Assist function makes it easy to find it again. Program it to the C (custom) button, then simply push and hold it to automatically zoom out, find and frame your subject again, then release the button. The camera quickly zooms back to the original focal length, so you can resume shooting the subject.

High-frame rate HD video recording of fast-moving subjects

When you're shooting moves you can capture fast-moving subjects with high-frame rate HD recording at up to 120p (NTSC) or 100p (PAL). This allows you to produce impressive slow-motion sequences during editing. The high bitrate, up to 100Mbps, also ensures detailed images.

Lock-on AF for enhanced photo opportunities

Lock-on AF captures and continues tracking moving subjects. It automatically adjusts the AF target frame size to match the subject size, improves tracking performance, and helps you take full advantage of every photo opportunity.

Internal pop-up flash

The camera's built-in, manual pop-up flash feature enables various modes of flash photography. Slow Sync is useful for shooting atmospheric night portraits, Rear Sync lets you creatively express motion, and the Autoflash setting automatically determines whether the flash is necessary.

Convenient on-location rating and sorting

Rate and protect your images in the field, with a convenient custom button assignment. Ratings, from 1 to 5 stars, can be reviewed when images are imported to your PC using PlayMemories Home™ or the new Sony Imaging Edge software, for fast sorting of even large image libraries.

One-touch remote and sharing

With one-touch remote, a smartphone or tablet can function as a monitor and remote control. One-touch sharing allows easy transfers of photos or videos to an NFC™-enabled Android™ device for easy uploading and sharing. Just install the PlayMemories Mobile™ app from your device's app store, then touch the device to the camera to connect them. QR code compatibility allows connection with non-NFC devices.

Imaging Edge software suite from Sony

The Imaging Edge software suite can maximise image quality, improve production efficiency, and help you finely adjust RAW-based images. Use its "Remote" to remotely control shooting while monitoring scenes via live-view PC screen; "Edit" to develop RAW data into high-quality photos; and "Viewer" to view, rate, and select photos from a list of shots.

Continuous shooting at up to 10 frames per second

It's possible to perform high-speed continuous shooting at up to 10 frames per second for up to 155 shots. Even when image brightness changes during continuous shooting, the camera automatically adjusts to provide optimal exposure. Continuous-shot images can also be displayed, deleted and protected in groups.

Clear, easy-to-operate OLED Tru-Finder™

The high-contrast OLED Tru-Finder is far brighter than conventional electronic viewfinders. It displays real-time preview and shooting information, so what you see on-screen is exactly what you get in your shot. The viewfinder is easily retractable, for portability, safety, and convenience.

Touch Focus and Shutter

With Touch Focus you can simply touch the LCD at the point of the image you want to focus on, for both still and video capture, so you can intuitively focus on subjects even at the edge of the frame without reframing. The shutter can also be operated by touching the LCD screen.

180° tiltable LCD screen for flexible composition

The high-resolution 3.0-inch type screen with tilt capability is perfect for taking selfies and framing low-angle shots. You can use it in various shooting positions for greater flexibility in capturing creative compositions.

RAW format recording

In order to give users far greater control over the final appearance of their photos, the HX99 provides RAW-format image recording as an option. With this format all the data from the sensor is preserved, so exposure, brightness, white balance and other aspects of the image can be easily adjusted using image-editing software.

Proxy data recording for easier, faster editing and sharing

While recording full-resolution 4K video, the camera can also capture a low-bitrate proxy file that's lighter and easier to handle. This makes it easy to upload and share the images soon after shooting them, enabling easier online collaboration.

A firmer grip for steadier shots

The camera's grip is designed to better fit your hand, making it easier to hold in order to provide stability, despite the camera's compact size. It provides more stable framing of handheld shots and reduced camera shake, for steady shots even when held in one hand.

My Menu your way

With My Menu, you can register menu items for instant recall, and create custom menus. The menu screen has been redesigned, and you can make function assignments for up to 30 items to retol the camera interface according to your shooting preferences.

New LCD power-saving mode

With the camera body power switched ON, the LCD screen can be automatically switched OFF (either 2, 5 or 10 seconds after its last operation) to save power.

Geo-tag your images via Bluetooth®

With the Bluetooth® Location Information Link you can easily geo-tag your images - perfect when travelling. Simply pair your camera to a compatible smartphone with the PlayMemories Mobile app and your location data can be recorded together with each photo. The PlayMemories Home app can also be used on your PC to organise imported still images on a map.

Optional Accessories

LCJ-HWA LCJ-HWA Jacket Case For Cyber-shot® HX90/WX500	LCS-U11 More ways to carry your camera or camcorder	LCS-U21 Carry your camera or camcorder and all your kit	NP-BX1 Shoot for longer battery life	RMT-VP1K Remote Commander and IR Receiver Kit.	RM-VPR1 Easily control a camera's shutter release, video record and zoom	VCT-P300 Shoot steady with a stronger, lighter tripod
VCT-R640 Keep your camera steady with a durable, easy to use tripod	VCT-SGR1 Compact shooting grip with mini-tripod and remote	VCT-VPR1 Steady shooting with easy control	VCT-AMP1 Put yourself back in the picture with this quick expansion Monopod	VCT-VPR10 Steady shooting with precision control		