

SONY

DSC-HX300/B

Cyber-shot Digital Camera HX300

See details you never knew existed with an astoundingly clear 50x zoom, making close-ups more interesting. Imagine tight shots of the lead singer in concert, or the expression on your favorite athlete's face at the game. Best of all, the action stays clear and stable even when you're fully zoomed.



Key Features

50x optical zoom plus 100x Clear Image Digital Zoom

Get amazingly close with 50x optical zoom plus 100x Clear Image digital 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 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® image stabilization

Optical SteadyShot® image stabilization reduces shake and blur by countering camera movements in both horizontal and vertical directions.³ 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. The HX300 uses a second lens group shift which moves the lens group farther away from the sensor. This results in an expanded compensation area, allowing for easier framing.

20.4 Megapixel Back-illuminated Exmor® R CMOS Image Sensor

This camera features a 20.4 megapixel Exmor® R CMOS image sensor that brings out the full resolving power of the camera's Carl Zeiss® Vario-Sonnar T* lens to deliver extremely fast speed, high resolution, and stunning low-light sensitivity with improved image clarity and drastically reduced grain. In addition, the combined Exmor® R CMOS sensor and BIONZ® image processor delivers extremely fast up to 10fps, Anti Motion Blur, Hand-held Twilight and 1080p movie modes.

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 HD TV.² With dual record of stills and movies, you can shoot both at the same time.

3.0" tiltable LCD (921K dots) with high resolution viewing

The 3.0-inch Xtra Fine LCD™ LCD has 921K dots for superb resolution. The LCD is tiltable making it easy to frame shots above a crowd, or even down low to the ground.

Capture the decisive moment with up to 10fps

Capture full 20.4 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.

Picture Effects

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. There are nine different effects such as partial color to make your focal point stand out, or watercolor which looks like a painting.

Intelligent Sweep Panorama™ mode-up to 360°

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. Simply press the shutter button and sweep the camera in the desired direction and the camera continuously shoots at a high speed, then seamlessly stitches the images together with automatic position adjustment to create one stunning panoramic image. Available in wide and up to 360° full circle, the camera can take a variety of panoramic shots.

Enhanced Superior Auto

Enhanced Superior Auto supports scenes with dynamic motion to provide beautiful results even in dark situations. The result is clearer images with less blur.

Advanced Flash illuminates distant subjects for beautifully lit photos



Advanced Flash allows you to shoot bright, beautifully lit photos even when zooming. The built in flash reaches farther resulting in brighter subjects in dimly lit rooms or outdoors in the evening.

Specifications

Camera	
Camera Type	High zoom
Imaging Sensor	
Imaging Sensor	1/2.3" Exmor R® CMOS sensor
Pixel Gross	21.1 MP
Effective Picture Resolution	20.4 MP
Color Filter System	RGB primary color filters
Recording	
Media Type	optional "Memory Stick Duo" (No movie recording), optional "Memory Stick PRO Duo" (Mark 2 only for movie recording), optional "Memory Stick PRO-HG Duo", optional SD Memory Card (Class 4 or higher), optional SDHC Memory Card (Class 4 or higher), optional SDXC Memory Card (Class 4 or higher)
Color Space	RGB
Still Image Max Effective Resolution	Approx. 20.4 Megapixels
Still Image Size 16:9	16:9 mode: 15M (5,184 x 2,920) / 2M (1,920 x 1,080)
Still Image Size 4:3	4:3 mode: 20M (5,184 x 3,888) / 10M (3,648 x 2,736) / 5M (2,592 x 1,944) / VGA
Panorama Still Image Size	Sweep Panorama: 360 (11,520 x 1,080) / 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 Format	AVCHD Ver2.0 / MP4
Video Mode	AVCHD 60i/60p: 28M PS (1,920x1,080/60p) / 24M FX / 17M FH (1,920x1,080/60i) / 9M HQ (1,440x1,080/60i), MP4: 12M (1,440x1,080/30fps) / 6M (1,280x720/30fps) / 3M VGA (640x480/30fps)
Dual Record	Yes
Audio Format	AC3 (Stereo)
Microphone/Speaker	Stereo / mono
Wind Noise Reduction	Off / On
Optics/Lens	
Lens Type	Carl Zeiss® Vario Sonnar T®
Optical Zoom	50x
Focal Length (35mm equivalent)	Still 4:3: 24-1200mm / Movie 4:3: 32.5-1625mm (SteadyShot Standard) 34.5-2300 (SteadyShot Active) / Still 16:9: 26-1300mm / Movie 16:9: 26.5-1325mm (SteadyShot Standard) 28-1850mm (SteadyShot Active)
Lens Construction	15 elements in 10 groups (including 1 superED glass element, 2 ED glass elements, and 3 aspheric elements)
Minimum Focus Distance	iAuto: AF (W: Approx. 1cm (0.03 ft.) to Infinity, T: Approx. 240cm (7.87 ft.) to Infinity) / Program Auto: AF (W: Approx. 1cm (0.03 ft.) to Infinity, T: Approx. 240cm (7.87 ft.) to Infinity)
Steady Shot Mode:Active	Yes
Viewfinder	
Type	None
LCD Display	
LCD Type	3.0" Xtra Fine™ LCD (921K dots) - tiltable
Brightness Control	5 (Bright) / 4 / 3 / 2 / 1 (Dark)
Histogram	Yes (On/Off)
Grid Display	Yes
Focus Control	
AF Modes	Multi Point AF / Center Weighted AF / Spot AF / Flexible Spot AF / Manual / Face Tracking Focus
AF Illuminator	Auto / Off



Exposure System	
Metering Modes	Multi Pattern / Center Weighted / Spot
Exposure Compensation	Plus / Minus 2.0EV, 1 / 3EV step
Scene Mode(s)	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
ISO	Auto / 80 / 100 / 125 / 160 / 200 / 250 / 320 / 400 / 500 / 640 / 800 / 1000 / 1250 / 1600 / 2000 / 2500 / 3200 / 4000*4 / 5000*4 / 6400*4 / 8000*4 / 10000*4 / 12800*4
White Balance Mode	Auto / 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
Drive System	
Self-timer	Off / 10sec. / 2sec. / portrait1 / portrait2
Shutter Speeds	iAuto (4 - 1/4000) / Program Auto (1 - 1/4000) / Aperture Priority (8 - 1/2000) / Shutter Priority (30 - 1/4000) / Manual (30 - 1/4000)
Burst Mode	Approx 10 fps at 20.4MP (Maximum 10 shots)
Flash	
Flash Modes	Auto / Flash On / Slow Synchro / Rear Slow Synchro / Flash Off / Advanced Flash
Flash Coverage	ISO Auto: Approx. 0.5m to 8.5m (1.64 ft. to 27.89 ft.) (W) / Approx. 2.4m to 3.5m (7.87 ft. to 11.48 ft.) (T), ISO3200: up to Approx. 12.0m (39.37 ft.) (W) / Approx. 5.1m (16.73 ft.) (T)
Convenience Features	
Red-Eye Reduction	Auto / On / Off
Erase/Protect	Erase: Single / Select / Date / Folder / AVCHD Protect: Single / Select / Date / Folder / AVCHD
Power Save Mode	Standard / Max / Off
Advanced Features	
Anti Motion Blur	Yes
Sweep Panorama	Intelligent Sweep Panorama (360)
Face Detection	8 faces
Smile Shutter™ technology	Yes
Image Stabilization	Optical SteadyShot™ Image Stabilization with 3-way Active mode
In-Camera Editing	Retouch / Trimming / Red Eye Correction / Unsharp Masking / Date View
Intelligent Auto	Yes
Background Defocus	Yes
Superior Auto	Yes
Tracking Focus	Off / Auto
Blink Detection	Yes
Interface	
Memory Card Slot	MS Duo and SD/SDHC compatible
HD Output	Micro HDMI
USB Port(s)	Multi (AV/USB), Hi-Speed USB (USB2.0)
Weights and Measurements	
Dimensions (Approx.)	W x H x D: 5 1/8" x 3 3/4" x 4 1/8" (129.6 x 93.2 x 103.2mm)
Weight (Approx.)	1lb 6.9oz (650g)
Weight(Approx) (Main unit only)	1lb 6.0oz (623g)
Power	
Battery Type	LITHIUM ION NP-BX1 3.6V
Battery Capacity	4.5Wh (1240mAh)
Power Consumption (In Operation)	Approx. 1.3W (EVF: Approx. 1.1W)
Power Requirements	AC 100V to 240V, 50/60 Hz, 70mA
Accessories	



Supplied Accessories

- Rechargeable Battery Pack NP-BX1
- AC AdaptorAC-UB10
- Micro USB cable
- Shoulder Strap
- Lens Cap
- Instruction Manual

1. Records in 29 minute segments
2. Requires HDTV and HDMI cable sold separately
3. Combined with electronic stabilization
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