DSC-HX7V

16.2MP | 10x OPTICAL ZOOM | 3.0" LCD

Sony® DSC-HX7V gets up close with 10x optical zoom. Whether you're capturing crystal clear video with full HD 1080i, framing that perfect shot with the background defocus, or taking great shots in low light, you'll find that each moment you capture will be one that you'll want to hold onto forever.

H-Series

3.0" (921K dots) Xtra Fine LCD™ display

3.0" (921K dots) Xtra Fine LCD display with TruBlack™ technology gives you brilliant-quality still images and movies with easy focus.

AVCHD™ 1080/60i

Record movies in Full HD high definition 1080/60i.[4] This provides stunning, smooth motion video with less distortion for playback on your Blu-ray Disc™ players, Sony® PlayStation®3 systems and compatible PCs and HDTVs.[7]

Sony® G Lens with 10x optical zoom

The Sony® 10x optical zoom G lens brings distant subjects super close for great outdoors, sports, and travel photos. The compact size makes it easy to take with you in a pocket, purse, or backpack.

16.2 Megapixel Back-illuminated "Exmor R" CMOS Image Sensor

The DSC-HX7V features a 16.2 megapixel "Exmor R" CMOS image sensor that brings out the full resolving power of the camera's Sony® G 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 shooting up to 10fps, Anti-Motion Blur, Hand-held Twilight and 1080i movie modes.

Background Defocus

DSLR photographs are often beautiful because they blur the background, putting the emphasis on your subject. Now our point-and-shoot cameras can deliver this signature DSLR benefit. The system takes two shots, identifies the background and applies a defocused background keeping the subject crisp and clear.

3D Still Image and 3D Sweep Panorama™ mode

Produce awe-inspiring images with 3D still image and 3D Sweep Panorama™ capabilities.[5] Photos will take on a new dimension of creative capabilities for viewing the world in a whole new way.

Additional features:

- Intelligent Sweep Panorama™ HR mode for one shot landscapes in high resolution
- Superior Auto; awesome shots, automatically
- Backlight Correction; get details in difficult lighting
- GPS and Compass record shot location & direction[29]
- Digital Zoom; get closer to the movie action
- 25mm wide lens; Optical SteadyShot™ image stabilization
- Soft Skin mode reduces visible blemishes, and wrinkles
- Natural Flash corrects color balance for lifelike shots
- HDMI™ output for easy connectivity
- Smile Shutter™ technology automatically captures a smile
- Face Detection technology captures faces naturally

Specifications

General	
Camera Type	High Zoom Performance Camera
Image Device	1.23" (7.77mm) Exmor™ CMOS
Effective Pixels Resolution	16.2MP
Processor	BIONZ®

Optics & Lens	
Lens Type	G Lens
Lens Construction	10 elements in 7 groups (including 4 aspheric elements)
Aperture Range	(F3.5-F5.5)
Focal Length	4.25-42.5mm
35mm Equivalency	Still 16:9: 28-280mm / Still 4:3: 25-250mm/ Movie 16:9: 28-280mm / Movie 4:3: 34-340mm
Optical Zoom	10x
Digital Zoom	Smart Zoom / Precision Digital Zoom / Off
Total Zoom	Approximately 40x with Precision Digital Zoom

LCD & Viewfinder	
LCD Type	3.0" Xtra Fine LCD™ TFT (921K dots)
Viewfinder	Electronic

Recording	
Media Slot	MS PRO Duo™ SD/SDHC media[10]
Still Images	4:3 16M (4,608 x 3,456), 10M (3,648 x 2,736), 5M (2,592 x 1,944), VGA (640 x 480), 3D: 16M (4,608 x 3,456) ; 16:9 12M (4,608 x 2,592) / 2D Panorama: 7,152 x 1,080 (245deg) / 4,912 x 1,080 (168deg) / 4,912 x 1,920 (180deg) / 3,424 x 1,920 (125deg), 3D Panorama: 7,152 x 1,080 (245deg) / 4,912 x 1,080 (168deg) / 4,912 x 1,920 (180deg) / 3,424 x 1,920 (125deg) / 1,920 x 1,080 (66deg)
Video	1,920 x 1,080 (FX) Approx. 24Mbps Approx. 60fps interlace / 1,920 x 1,080 (FH) Approx. 17Mbps Approx. 60fps interlace / 1,440 x 1,080 (HQ) Approx. 9Mbps Approx. 60fps interlace / 1,440 x 1,080 Approx. 12Mbps Approx. 30fps, Progressive / 1,280 x 720 Approx. 6Mbps Approx. 30fps, Progressive / 640 x 480 (VGA) Approx. 3Mbps Approx. 30fps, Progressive
Microphone / Speaker	Stereo / Mono

Focus	
Focus	9 points AF (Under Face Undetected) / Center Weighted AF / Spot AF
Intelligent Auto Focus	Yes
Macro Mode	iAuto (W: Approx. 5cm (0.16') to Infinity, T: Approx. 100cm (3.28') to Infinity)

Exposure	
Exposure Metering	Multi Pattern / Center Weighted / Spot
Exposure Compensation	Plus / Minus 2.0EV, 1 / 3EV step
ISO	Auto / 125 / 200 / 400 / 800 / 1600 / 3200
Backlight Correction HDR	-
Dynamic Range Optimizer	Standard
White Balance	Auto / Daylight / Cloudy / Fluorescent 1 (White Fluorescent Lighting) / Fluorescent 2 (Natural White Fluorescent Lighting) / Fluorescent 3 (Day White Fluorescent Lighting) / Incandescent / Flash / One Push

Shutter	
Shutter Speed	iAuto (2" - 1/1,600) / Program Auto (1" - 1/1,600) / Manual (30"-1/1600)
Burst Mode	Normal / Hi-Speed Burst (High/Mid/Low) (Approx. 10fps at 16.2MP (Maximum 10 shots)) / Bracketing

Flash	
Flash Type	Built in
Flash Effective Range	ISO Auto: Approx. 0.05m-Approx. 4.8m (Approx. 0.16'-Approx. 15.7') (W) / Approx. 1.0m-Approx. 3.1m (Approx. 3.28'-Approx.10.2') (T), ISO3200: up to Approx. 6.8m (Approx. 22.3') (W) / Approx. 4.4m (Approx. 14.4') (T)
Flash Mode	Auto / On / Slow Syncro / Off

Features	
Superior Auto	33 scenes still / 44 scenes movie
Scene Modes	High Sensitivity / Twilight / Twilight Portrait / Soft Snap / Landscape / Beach / Snow / Fireworks / Pet / Soft Skin / Hand-held Twilight / Anti-Motion Blur / Gourmet
Image Stabilization	Optical SteadyShot™ image stabilization
GPS[29]	Yes
Panorama	Sweep Panorama™ HR (Horizontal / Vertical up to 245-degrees)
3D	3D still image / 3D Panorama / Sweep Multi Angle
Tracking Focus	Yes
Background Defocus	Yes
Multi-shot layering	Hand-held Twilight / Anti-Motion Blur
Intelligent Auto	Yes
Intelligent Scene Recognition	8 scenes
Face Detection	8 faces (Auto / Off / Child Priority / Adult Priority)
Motion Detection	Yes
Blink Detection	Yes
Smile Shutter™ Technology	Yes
Self-timer	Off / 10sec. / 2sec.
In-Camera Editing	Trimming / Red Eye Correction / Unsharp Masking
TransferJet™ Technology	Yes[6]

Inputs & Outputs	
USB	Yes - USB 2.0 Hi-Speed
HD Video	HDMI™ / Component (1080i)
SD Video	Yes

Power	
Supplied Battery	Lithium-ion NP-BG1 3.6V
Battery Life (Approx.)[27]	150
Number of Images (Approx.)[27]	300

Weights & Measurements	
Dimensions (Approx.)	4" x 2 3/8" x 1 3/16" (101.6mm x 57.6mm x 28.6mm)
Weights (Approx.)	Approx. 6.3 oz. (178g); Approx. 7.3 oz. (208g) - With battery and Memory Stick PRO Duo media

Software	
Supplied Software	Picture Motion Browser Ver.5.5 (for Windows), PMB Portable Ver. 5.5 for Windows, 1.3 for Macintosh[1]
Operating System Requirements	Windows Vista SP2, Windows 7, Macintosh OS® X (v10.4 - 10.6)

Service & Warranty	
Limited Term Warranty	Limited 1 Year Parts & Labor

Supplied Accessories	
Battery	Lithium-ion NP-BG1 3.6V
USB Charger	AC-UB10
CD-ROM	Yes
Wrist Strap	Yes
Multi-Connector Cable (A/V / USB)	Yes

Footnotes

1. PMB requires Microsoft® Windows® XP SP3/ Windows Vista® SP2/Windows 7. Software not supported by Mac OS. Movie format is compatible with iMovie® `09 or later versions.
4. Records in 29 minute segments.
5. Requires 3D HDTV, HDMI™ cable (at least 10.2 Gbps) and active 3D glasses (all sold separately).
6. TransferJet™ enabled media (sold separately) and TransferJet technology required in both devices.
7. HD viewing requires HD output adapter cable VMC-MD3 (sold separately) and HDTV with equivalent display capability.
10. When using movie mode Memory Stick PRO Duo with MARK2 logo, Memory Stick PRO-HG, Class 4 or higher for SD/SDHC/SDXC media are recommended.
27. Actual results may vary based on product settings, usage patterns and environmental conditions. Battery capacity decreases over time and use.
29. Map service requires PC with internet and supplied software. Service provided by Google and is subject to change without notice.

WHITE   RED   BLUE   BLACK   3.0" LCD

H-Series