

PRELIM

Sony® Cyber-shot® DSC-H20 digital camera. Featuring Intelligent Auto mode, the H20 with a 10x high zoom lens, automatically detects 8 scene conditions and selects the appropriate camera settings. Face Detection captures faces more naturally and helps prevent blur. Also, now record high definition videos in 720p HD and enjoy your memories on your HDTV.

- **10.1 Megapixel Super HAD™ CCD Image Sensor:**
A powerful 10.1 megapixel 1/2.3" Super HAD™ CCD image sensor helps you capture gorgeous images with superb contrast and clarity down to the finest detail. With 10.1 megapixels, you can create stunning, photo-quality prints up to A3+ (13x19") size, or crop your images and still come away with high resolution shots.
- **Carl Zeiss® Vario-Tessar® Lens with 10x Optical Zoom:**
The professional-quality Carl Zeiss® Vario-Tessar® 10x optical zoom lens brings distant subjects closer for great outdoor, sports, and travel photos.
- **3.0" Clear Photo LCD™ display (230K pixels):**
Generous 3.0" (230K pixels) Clear Photo LCD™ display features sharp, natural color that makes it easy to compose shots, read menus, and view photos, even in bright sunlight.
- **BIONZ™ image processor:**
The BIONZ™ image processor delivers the high resolution and fast performance you expect from a Sony® digital camera.
- **Available in black:**
The DSC-H20 comes in black.
- **Intelligent Auto Mode:**
Intelligent Auto (iAuto) mode goes beyond traditional auto settings by recognizing and adjusting to scene conditions and lighting, enhancing natural skin tones, and reducing blur. By incorporating advanced features such as Intelligent Scene Recognition, Face Detection, and Optical SteadyShot, iAuto lets you take advantage of the latest Sony Cyber-shot technology without leaving auto mode. Whether you're shooting expansive landscapes, capturing playground action, or taking pictures at a birthday party or wedding shower, iAuto will optimize your camera's settings to help ensure you come away with a great shot.
- **HD Movie:**
Capture more of your memories in high definition (720p) video. Record HD movies in 720p high definition MPEG4 format for stunning large-screen home movie playback. Record up to 29 min in 720p format (or up to 2GB) per movie⁶.
- **Intelligent Scene Recognition:**
Intelligent Scene Recognition (iSCN) Mode automatically detects eight different types of scenes and, within just 1/30th of a second, selects the appropriate camera settings: Backlight, Backlight Portrait, Twilight, Twilight Portrait, Twilight using a Tripod, Portrait, Landscape, and Macro. iSCN has two modes: Auto and Advanced. In Auto Mode, the camera takes a single shot using the optimal settings. In Advance Mode, the camera takes a photo with the standard automatic settings and, if in difficult lighting (low light or back light) immediately takes a second photo with optimized setting so you can chose which to keep.
- **Face Detection technology:**
Face Detection technology detects up to eight individual faces and controls flash, focus, exposure, and white balance to deliver accurate, natural skin tones with reduced red-eye. It can also give priority to children or adults. Newly added Face Motion Detection adjusts ISO sensitivity and accelerates the shutter speed when facial movement is detected, reducing blur in the subjects face.
- **Selected Face Memory:**
Optimizing focus, exposure, and white balance for a specific face is easier now with selectable facial memory, even when the subject leaves the frame. This feature is perfect at weddings and other events the goal is always to focus on a certain person.
- **Anti-blink Function:**
It's frustrating to think you've captured that perfect shot, only to review it later and discover one of your subjects blinked just as you pressed the shutter. The Anti-blink function works to help counter blinking and squinting. When the camera is set to Portrait, the Anti-blink function captures two images, recording only the photo with less squinting. If a blink is detected in other shooting modes, a warning will be displayed after you take the shot.

ADDITIONAL FEATURES

- **Red-eye Reduction:**
- **Smile Shutter™ Technology:**
- **Double Anti-blur Solution:**
- **Optical SteadyShot™ Image Stabilization:**
- **High Sensitivity Mode (ISO 3200):**
- **Dynamic Range Optimizer Standard and Plus:**
- **Convenient Photo Modes:**
- **Intelligent Auto Focus:**
- **9-Point Auto Focus:**
- **Burst Mode:**
- **Function Guide:**



Specifications

General

Megapixel: 10.1 MP
 Imaging Device: 1/2.3 type(7.79mm) Super HAD CCD
 Recording Media: 11MB internal Flash Memory, optional Memory Stick Duo™ Media, optional Memory Stick PRO Duo™ Media

Convenience

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 Set
 Self Timer: Yes (10 seconds, 2 seconds, Off)
 Memory Stick PRO™ Media Compatibility: Tested to support up to 16GB Memory Stick DUO PRO media capacity¹; does not support Access Control security function.
 Still Image Mode(s): Normal (JPEG) / Burst (JPEG) / Bracketing (JPEG) - AE(Plus / Minus 0.3EV / 0.7EV / 1.0EV)
 Red-Eye Reduction: Auto / On / Off
 Burst Mode: Max 100 shots at approx. 1.8 fps
 Date/Time Stamp: Available in the included PMB software.
 Media/Battery Indicator: Yes/Yes
 Color Mode(s): Normal / Vivid / Sepia / B&W

Convenience Features

Histogram Display: Yes
 Real Imaging Processor™ Technology: BIONZ
 AF Illuminator Light: Auto / Off
 PictBridge Compatible: Yes
 Multi-Pattern Measuring: Yes
 SteadyShot® Image Stabilization: Optical
 NightShot® Infrared System: No
 NightFraming System: No
 Clear RAW NR: Yes
 Scene Mode(s): Intelligent Auto / Easy Shooting / Program Auto / Manual Exposure / Movie (Auto Adjustment / High Sensitivity) / Scenes (High Sensitivity / Twilight / Twilight Portrait / Soft Snap / Landscape / Beach / Snow / Fireworks / Advanced Sports Shooting, Gourmet)
 Movie Mode(s): 1280 x 720(Fine) (Approx.30fps, Progressive) / 1280 x 720 (Standard) (Approx.30fps, Progressive) / VGA(640 x 480, Approx.30fps, Progressive)
 Power Save Mode: Yes (after approx. 3 min. of inactivity)
 In-Camera Editing: Trimming / Red Eye Correction / Soft Focus / Partial Color / Fisheye Lens / Cross Filter / Retro / Radial Blur / Unsharp Masking / Happy Faces
 Dynamic Range Optimizer: Standard / Off / Plus

Inputs and Outputs

Accessory Terminal: Multi connector
 Audio/Video Output(s): Yes via Multi-Use Connector
 USB Port(s): Yes - USB2.0 Hi-Speed
 HD Output: Yes (1080i)

Hardware

LCD: 3.0" Clear Photo LCD Plus (230,400 pixels)
 Viewfinder: No
 Lens Construction: 10 elements in 9 groups (including 1 aspheric element)
 Microphone/Speaker: Mono / Mono
 Lens Type: Carl Zeiss® Vario-Tessar®

Operating Conditions

Flash Effective Range: ISO Auto: Approx. 0.2 - Approx. 7.0m (Approx. 0.66' - Approx. 23.0') (W) / Approx. 0.9 - Approx. 5.5 (Approx.2.95' - Approx. 18.0') (T), ISO3200: up to Approx. 14.0m (Approx. 45.9') (W) / Approx. 11.1m (Approx. 36.4') (T)
 Flash Mode(s): Auto / Flash On / Slow Syncro / Flash Off

Optics/Lens

Focal Length: 6.3-63.0mm
 35mm Equivalent: Still shots: 38-380mm / Movie 16:9: 39-390mm / Movie 4:3 :47-470mm
 Focus: 9 points / Center Weighted AF / Spot AF / Semi Manual (1.0m / 3.0m / 7.0m / unlimited distance)
 Aperture Range: Auto F3.5./F8.0(W) / Program auto F3.5./F8.0 (W) / Manual F3.5./F8.0 (W)
 Shutter Speed: Auto(2" - 1/2,000) / Program Auto(1" - 1/2,000) / Manual(30" - 1/2,000)
 Exposure Compensation: Plus / Minus 2.0EV, 1 / 3EV step
 ISO: Auto / 80 / 100 / 200 / 400 / 800 / 1600 / 3200
 Smart Zoom® Technology: 5M:Approx.14x (Total), 3M:Approx.17x(Total), VGA:Approx.57x(Total), 16:9(2M):Approx.19x(Total)
 Digital Zoom: Smart Zoom / Precision Digital Zoom / Off
 Optical Zoom: 10x
 Macro Mode: Auto Macro / Macro On
 Total Zoom: Approx. 20x
 Face Detection: 8 face(flash, focus, exposure, white balance, child/adult priority, blink, face motion detection)

Power

Battery Type: LITHIUM ION / InfoLITHIUM G type 3.6V
 Battery Capacity: Approx. 145 minutes / Approx. 290 images

Software

Supplied Software: Picture Motion Browser Vers 4.2.02 + USB Driver (Not supported by Macintosh® Operating Systems)
 Operating System Compatibility: Microsoft® 2000 Professional, XP Home and Professional; Macintosh® OS 9.1/9.2/OS X (10.1-10.5)

Processor

Bionz™ Engine: Yes

Dimensions

Weight: Approx. 9.8oz. (279g) - With battery and Memory Stick media.
 Measurements: W x H x D: 4 1/4" x 2 3/4" x 1 7/8" (107.3mm x 68.7mm x 47.1mm)

Service and Warranty Information

Limited Warranty Term: Limited 1 Year Parts & Labor

Supplied Accessories

Rechargeable Battery - NP-BG1
 Battery Charger - BC-CSGB
 Multi Connector Cable - USB, AV
 Lens Cap
 CD-ROM Software
 Note: No Memory Stick PRO Duo™ Media or adaptors are included.

Color: Black
 UPC Code: 027242767188



1. Viewable area, measured diagonally
 2. Compatible BRAVIA® HDTV, HDMI or component cable (sold separately) required for PhotoTV HD viewing. Specifications of the BRAVIA HDTV shown vary according to market region.
 3. Four preset music tracks stored in internal memory. Imported music tracks can be up to five minutes long. When using Music Transfer to download music, tracks longer than five minutes will be reduced to five minutes when uploading to the Cyber-shot® camera.
 4. Requires Windows 2000 Professional SP4, Windows XP SP2, or Windows Vista. Not supported by Mac OS.
 5. HD Viewing requires an HD output adapter cable (VMC-MHC2), sold separately.
 6. Maximum of 29 minutes continuous recording per video clips, limited to available capacity on storage media.
 7. Under average conditions: when fully charged, actual results may vary based on camera settings and conditions of use.

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