

## DSC-W620/B

Capture superb picture quality and HD video with ease. Its 14.1MP sensor, 5X optical zoom, and Sweep Panorama™ mode allow you to create breathtaking images, while 720p video records the action and sound, even when zooming. Make taking pictures more fun with Picture Effects, like toy camera and pop color.

### **720p AVI Movie Mode**

In 720p AVI movie mode the camera shoots 1280 x 720 high definition movies at 30 fps, a standard format when working with a PC.<sup>1</sup> Users will create high quality movies with full use of optical zoom in files small enough to transfer to compatible PC or Mac® computer. Once transferred to your computer and connected to the internet, you can effortlessly upload your media to popular photo and video-sharing websites such as Photobucket® and YouTube™.

### **Sweep Panorama™ mode (up to 360°)**

Reach beyond the traditional wide angle lens, and capture more breathtaking shots with Sweep Panorama™ mode. 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. Now capturing wide landscapes is as easy as press and sweep.

### **14.1 Megapixel Super HAD™ CCD Image Sensor**

A powerful 14.1 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 14.1 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.

### **2.7" (230K dots) Clear Photo™ LCD display**

Generous 2.7" (230K dots) Clear Photo™ LCD display features sharp, natural color that makes it easy to compose shots, read menus, and view photos, even in bright sunlight.

### **Intelligent Auto Mode**

Unlike traditional auto mode, Intelligent Auto (iAuto) mode thinks for you, recognizing scenes, lighting conditions, faces, and adjusts settings resulting in clear images, faces with natural skin tone and less blur. Take advantage of all the technology without leaving Auto mode. Kids on the playground, landscape shots, a beautiful flower or an indoor birthday party; all result in clear images without leaving auto mode.

### **Face Detection technology**

Face Detection technology detects up to eight individual faces and adjusts focus, exposure, and white balance to help deliver crisp, properly lit images of family and friends.

### **Smile Shutter™ technology**

Smile Shutter™ technology captures a smile the moment it happens. Simply press the Smile Shutter™ button and the camera does the rest. You can also select adult and child priority and indicate the degree of Smile Detection sensitivity. Intelligent Scene Recognition can now be used together with Smile Shutter™ mode when the Intelligent Auto mode is on. This means that beautiful smiles can be captured with settings optimized for the particular scene, even in difficult conditions such as twilight and backlighting.

### **Soft Skin mode**

Portrait subjects will love the results. Soft Skin mode recognizes skin tones and reduces the appearance of blemishes and wrinkles without affecting the rest of the shot.

### **Intelligent Scene Recognition mode**

Intelligent Scene Recognition (iSCN) mode automatically detects seven 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.

### **Dynamic Range Optimizer**

Dynamic Range Optimizer (DRO) Standard and Plus uses a sophisticated algorithm to help recover shadows and highlights. The result is more natural images with clearer details that more closely match what your naked eye sees. DRO is particularly effective when shooting backlit portraits or any scene with a dramatic contrast between background and foreground lighting. DRO Plus allows for even greater optimization by analyzing each region of an image and performing additional image processing.

## Picture Effect

## Specifications

| Camera                               |                                                                                                                                                                                                                                                                  |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Camera Type                          | Compact zoom digital camera                                                                                                                                                                                                                                      |
| Imaging Sensor                       |                                                                                                                                                                                                                                                                  |
| Imaging Sensor                       | 1/2.3" Super HAD CCD Sensor                                                                                                                                                                                                                                      |
| Pixel Gross                          | 14.5MP                                                                                                                                                                                                                                                           |
| Effective Picture Resolution         | 14.1MP                                                                                                                                                                                                                                                           |
| Color Filter System                  | RGB primary color filters                                                                                                                                                                                                                                        |
| Recording                            |                                                                                                                                                                                                                                                                  |
| Media Type                           | optional "Memory Stick Duo" (No movie recording), optional "Memory Stick PRO Duo", 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) |
| Still Image Mode                     | JPEG                                                                                                                                                                                                                                                             |
| Still Image Max Effective Resolution | Approx. 14.1 Megapixels                                                                                                                                                                                                                                          |
| Still Image Size 16:9                | 11M(4,302 x 2,432) / 2M(1,920 x 1,080)                                                                                                                                                                                                                           |
| Still Image Size 4:3                 | 14M(4,320 x 3,240) / 10M(3,648 x 2,736) / 5M(2,592 x 1,944) / VGA                                                                                                                                                                                                |
| Panorama Still Image Size            | 360(11,520 x 1,080) / Wide(7,152 x 1,080/4,912 x 1,920) / Standard(4,912 x 1,080/3,424 x 1,920)                                                                                                                                                                  |
| Video Format                         | AVI(Motion JPEG)                                                                                                                                                                                                                                                 |
| Video Mode                           |                                                                                                                                                                                                                                                                  |
| Microphone/Speaker                   | Mono/mono                                                                                                                                                                                                                                                        |
| Optics/Lens                          |                                                                                                                                                                                                                                                                  |
| Lens Type                            | Sony                                                                                                                                                                                                                                                             |
| Optical Zoom                         | 5x                                                                                                                                                                                                                                                               |
| Focal Length (35mm equivalent)       | Still 16:9: 30-150mm / Movie 16:9: 32-160mm / Still 4:3: 28-140mm / Movie 4:3: 28-140mm                                                                                                                                                                          |

| Lens Construction      | 6 elements in 5 groups (including 3 aspheric elements)                                                                                                                                                           |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Minimum Focus Distance |                                                                                                                                                                                                                  |
| Aspheric Elements      | 3                                                                                                                                                                                                                |
| Viewfinder             |                                                                                                                                                                                                                  |
| Type                   | None                                                                                                                                                                                                             |
| LCD Display            |                                                                                                                                                                                                                  |
| LCD Type               | 2.7" Clear Photo™ LCD (230K dots)                                                                                                                                                                                |
| Brightness Control     | 5(Bright) / 4 / 3(Normal) / 2 / 1(Dark)                                                                                                                                                                          |
| Focus Control          |                                                                                                                                                                                                                  |
| AF Modes               | Multi Point AF / Center Weighted AF / Tracking Focus / Face Tracking Focus                                                                                                                                       |
| 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 / Gourmet / Beach / Snow / Pet mode                                                                                          |
| D-Range Optimizer      | Standard / Plus / Off                                                                                                                                                                                            |
| ISO                    | Auto / 100 / 200 / 400 / 800 / 1600 / 3200                                                                                                                                                                       |
| White Balance Mode     | Auto (Intelligent) / Daylight / Cloudy / Fluorescent 1 (White Fluorescent Lighting) / Fluorescent 2 (Natural White Fluorescent Lighting) / Fluorescent 3 (Day White Fluorescent Lighting) / Incandescent / Flash |
| Drive System           |                                                                                                                                                                                                                  |
| Self-timer             | Off / 10sec. / 2sec. / portrait1 / portrait2                                                                                                                                                                     |

| Shutter Speeds            | iAuto(2" - 1/2000) / Program Auto(2" - 1/2000)                                                                                                                                                                                                                    |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Burst Mode                | Approx 1.1 fps at 14.1MP (Maximum 100 shots)                                                                                                                                                                                                                      |
| Flash                     |                                                                                                                                                                                                                                                                   |
| Flash Modes               | Auto / Flash On / Slow Synchro / Flash Off                                                                                                                                                                                                                        |
| Flash Coverage            | ISO Auto: Approx.0.5m - 3.0m(Approx. 1 foot 7 3/4 inches to 9 feet 10 1/8 inches)(W) / Approx.0.5m - 1.5 m(1 foot 7 3/4 inches to 4 feet 11 1/8 inches) (T), ISO3200: up to Approx.6.0 m(Approx.19 feet 8 1/4 inches)(W) / Approx.3.0 m(9 feet 10 1/8 inches) (T) |
| Convenience Features      |                                                                                                                                                                                                                                                                   |
| Red-Eye Reduction         | Auto / On / Off                                                                                                                                                                                                                                                   |
| Erase/Protect             | Erase: Single / Select / Folder, Protect: Single / Select                                                                                                                                                                                                         |
| Red-Eye Reduction         | Auto / On / Off                                                                                                                                                                                                                                                   |
| Erase/Protect             | Erase: Single / Select / Folder, Protect: Single / Select                                                                                                                                                                                                         |
| Advanced Features         |                                                                                                                                                                                                                                                                   |
| Sweep Panorama            | Sweep Panorama / Sweep Panorama (360)                                                                                                                                                                                                                             |
| Smile Shutter™ technology | Yes                                                                                                                                                                                                                                                               |
| Image Stabilization       | SteadyShot™ Image Stabilization                                                                                                                                                                                                                                   |
| In-Camera Editing         | Trimming / Red Eye Correction / Unsharp Masking                                                                                                                                                                                                                   |
| Intelligent Auto          | Yes                                                                                                                                                                                                                                                               |
| Shooting Tips             | Yes                                                                                                                                                                                                                                                               |
| Tracking Focus            | Off / Auto                                                                                                                                                                                                                                                        |
| Interface                 |                                                                                                                                                                                                                                                                   |
| Memory Card Slot          | MS Duo and SD / SDHC Compatible                                                                                                                                                                                                                                   |
| SD Output                 | 4:3                                                                                                                                                                                                                                                               |

| USB Port(s)                      | Multi (AV/USB), Hi-Speed USB (USB2.0)                                          |
|----------------------------------|--------------------------------------------------------------------------------|
| Dimensions (Approx.)             |                                                                                |
| Dimensions (Approx.)             | W x H x D: 3 7/8" x 2 1/4" x 25/32" (97.7mm x 56.2mm x 19.8mm)                 |
| Weights and Measurements         |                                                                                |
| Weight (Approx.)                 | 4.1 oz. (116g)                                                                 |
| Weight(Approx) (Main unit only)  | 3.5 oz. (100g)                                                                 |
| Power                            |                                                                                |
| Battery Type                     | LITHIUM ION NP-BN 3.6V                                                         |
| Battery Capacity                 | typical: 2.3Wh (630mAh), minimum: 2.2Wh (600mAh)                               |
| Number of Still Images           | typical: 2.3Wh (630mAh), minimum: 2.2Wh (600mAh)                               |
| Power Consumption (in Operation) | Approx. 1.0W                                                                   |
| Power Requirements               | AC 100V to 240V, 50/60 Hz, 2W                                                  |
| Accessories                      |                                                                                |
| Supplied Accessories             | Battery (NP-BN) Battery Charger Multi USB Cable Wrist Strap Instruction Manual |

1. Recording limited to 29 minute segments

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