MVC-CD500

CD Mavica®
Digital Still Camera

FEATURES

1/1.8" 5.0 Megapixel Effective Super HAD™ CCD
Super HAD (Hole Accumulation Diode) CCD’s provide excellent image quality by allowing more light to pass to each pixel, increasing sensitivity and reducing noise.

Carl Zeiss® Vario-Sonnar® Lens
Famous for sharpness & color accuracy, the Vario-Sonnar 3X Optical zoom lens features 7 elements in 8 groups with 2 aspheric elements. Its fast f2.0 aperture is great for low light shooting.

0 - 4.0 Smart Zoom (at VGA size)
Smart Zoom intelligently uses the full CCD to let you zoom into the portion of interest by cropping the image size—thus avoiding the image degradation of Digital Zooms.

5 Area Multi-Point Auto Focus
Evaluating 5 separate areas of the frame, Sony’s Multi-Point AF system intelligently focuses on the subject and displays the selected focus point. Alternately, choose any of the 5 points for manual control.

Hologram AF™ Illuminator
Projecting a Class 1 laser pattern, Hologram AF reads the contrast between the pattern’s edge and the subject for precise focus, even in low or no light.

Continuous Auto Focus
To maintain accurate focus lock with fast moving subjects, Continuous AF keeps focusing until the moment of exposure.

Multi-Pattern Measuring
Independently light-metering 49 points of the frame, Multi-Pattern Measuring establishes the optimum exposure, even when highlight and shadow isn’t centered in the frame.

Recordable CD Media
CD Mavica cameras shoot directly to 156MB CD-R/RW discs, so there’s room for hundreds of images and movie clips. The optical disc also provides “instant archiving” — there’s no need to transfer to the PC as with flash media.

Slow Shutter Noise Reduction
During long Twilight mode exposures, Slow Shutter NR captures the scene, and then the CCD noise pattern with a dark frame exposure. By subtracting the two, even long exposures can be clear.

14-Bit DXP A/D Conversion
Sony’s 14-bit Digital EXtended Processor captures the range between highlight and shadow with up to 16,384 values, for extended dynamic contrast and detail.

Manual Exposure Controls
Flexible Exposure control is provided with Aperture Priority, Shutter Priority and Manual Exposure modes. Program Shift lets you select aperture/shutter speed combinations for direct control of motion and depth of field, while still in Program AE mode.

Pre-Flash Metering
With a momentary pre-flash, the camera illuminates the subject and sets exposure through the lens for great flash shots.

Auto Daylight Synchro Fill Flash
Because the Multi-Pattern Measuring system determines the subject is backlit or in shadow, fill flash automatically fires to provide optimum exposure.

Dynamic Flash White Balance
By evaluating the Pre-flash, white balance can be set to the color temperature of the flash for greater color accuracy.

5 Megapixel (2592 x 1944) Image Size
With its high resolution CCD, the MVC-CD500 captures in 4 image sizes, TIFF and Fine or Standard JPEG.

Scene Selection Mode
With 6 Scene Modes, camera parameters can be matched to the shooting conditions. Twilight, Twilight Portrait, Portrait, Landscape, Snow and Beach presets make great shots easy.

Multi-Burst Mode
Captures 16 320 x 240 frames as part of a single 1280 x 960 image which plays back sequentially in the camera. Selectable 1/7.5, 1/15, 1/30 second frame intervals provide convenient motion analysis.

MPEG Movie VX Mode
Captures VGA (640x480) high frame rate (16 fps) audio/video clips with length limited only by the capacity of the media. MPEG Movie Video Mail mode captures smaller files sizes suitable for email.

2.5" LCD Monitor
Extra-large LCD provides excellent viewing and playback clarity, even outdoors. For eye-level viewing, add the optional DSAC-MVC eye-level finder.

Live Histogram Display
The live histogram displays number of pixels at each luminosity making it easy to evaluate correct exposure.

Hot Shoe and ACC Terminal
Connect Sony’s HVL-F32X flash or Remote Controls with ACC terminal, or synchronize other flash units or studio lighting with the Hot Shoe terminal.

Rechargeable Infolithium® Battery
Provides reliable, long-lasting power for continuous shooting, without "memory effect”. AC-L15 adaptor/charger provides stable power for USB transfer.
**MVC-CD500**

### ADDITIONAL FEATURES

- **3 Shot Burst Mode**
- **3 Shot Auto Exposure Bracketing**
- **Adjustable Color**
- **Clear Color/Clear Luminance NR**
- **Spot Auto Focus**

### SPECIFICATIONS

**Imaging Device:** 1/1.8” 5.0 Megapixel Effective Super HAD™ CCD  
**Recording Media:** 3” (8cm) CD-R/RW Optical Disc  
**Zoom:** 3X Optical, 4X Smart Zoom (at VGA size), 12X Total  
**Filter Diameter:** 52mm w/Adaptor  
**Focal Length:** 7 - 21mm  
**Aperture:** f2.0 - 2.5  
**Focus:** 5 Area Multi-Point AF, Manually Selectable Point, 13 Step Manual Preset Focus  
**Minimum Focus Distance:** 19.7” (50 cm)  
**Macro Focus Distance:** 1.6” (4 cm)  
**Shutter Speed:** Auto: 1/30 – 1/1000 sec, Manual: 8 – 1/1000 sec  
**Aperture Range:** f2.0 – 8.0  
**Color LCD:** 2.5” 1280x960 (1MP)  
**White Balance:** Auto, Daylight, Cloudy, Fluorescent, Incandescent, Flash, Manual  
**Scene Modes:** Twilight, Twilight Portrait, Portrait, Landscape, Beach, Snow  
**Self Timer:** Yes, 10 Seconds  
**Video Output:** Yes NTSC/PAL Selectable  
**Still Image Modes:** JPEG (Fine/Std.), TIFF, Burst, Auto Bracketing, Email, Voice Memo  
**MPEG Movie Modes:**  
  - MPEG VX (640x480, 16fps, with audio)  
  - MPEG Video Mail (160x112, 8 fps with audio)  
**Clip Motion:** Normal (160x120), Mobile (80x72)  
**Microphone/Speaker:** Yes/Yes  
**USB Terminal:** Yes, Supports USB 2.0  
**Battery Type/Capacity:** InfoLithium® NP-FM50 1180 mAh Rated  
**Supplied Software:** Pixela™ Image Mixer Software for Sony v1.5, USB Driver SPD0-010  
**OS Compatibility:** Microsoft® Windows® 98/98SE/Me/2000 Professional/XP Home/Pro; Macintosh® OS 10.1/10.2  
**Supplied Accessories:** NP-FM50 InfoLithium® Rechargeable Battery, AC-L15 AC Adaptor/In-camera Charger, AV and USB Cables, Shoulder Strap, Lens Cap, MCR-156A CD-R Media, MCRW-156A CD-RW Media; Software CD-ROM

### BATTERY LIFE (Approx)

<table>
<thead>
<tr>
<th>Battery</th>
<th>Recording-# Shots*</th>
<th>Recording-Minutes*</th>
<th>Viewing** No. Images/Batt. Life</th>
</tr>
</thead>
<tbody>
<tr>
<td>NP-FM50</td>
<td>220</td>
<td>110 min</td>
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</tbody>
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*Under Average Conditions:  
Normal Mode (JPEG), Picture quality Fine; Shooting each image at 3 second intervals;  
Zoom is alternated from Wide to Telephoto ends; Flash operated every other shot; Power is turned on/off after every 10 shots; Actual results may vary on conditions of use.  
**Viewing single images consecutively, at about 3 second interval.

### Dimensions (W/H/D):
5 ½” x 3 ½” x 4” (138.5 x 95.7 x 103.1 mm)  
**Weight:** 1 lb 6 oz (606g) (w/Battery, CD-R/RW, Strap)

### OPTIONAL ACCESSORIES

- **DSAC-MVC Clip-on Eye-level Finder/Magnifier**  
- **ACC-MVCD2 Starter Kit (LCS-MVC4, NP-FM50, MCRW-156A x3)**  
- **ACC-FVM50S Stamina Value Kit**  
- **NP-FM50 InfoLithium® Battery**  
- **AC-SQ950D AC/DC Adaptor/Quick Charger**  
- **LCS-MVCA Deluxe Soft Carrying Case**  
- **VCL-DEH07V Hi-grade Wide Angle Conversion Lens**  
- **VCL-DEH17V Hi-grade Telephoto Conversion Lens**  
- **VF-52CPKS Polarizing Filter Kit**  
- **VF-R52K Neutral Density Filter Kit**  
- **MCR-156A 8cm (3”) CD-R Media**  
- **MCRW-156A 8cm (3”) CD-RW Media**  
- **MCR-156A 8cm (3”) CD-R Media**  
- **MCRW-156A 8cm (3”) CD-RW Media**  
- **VLC-DEH17V Hi-grade Telephoto Conversion Lens**  
- **VLC-DEH17V Hi-grade Telephoto Conversion Lens**  
- **3MCRW-156A 8cm (3”) CD-R Media**  
- **3MCRW-156A 8cm (3”) CD-RW Media**  
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