

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.

► STEP-UP FEATURE

MVC-CD500

ADDITIONAL FEATURES

3 Shot Burst Mode	MPEG1 Cue, Review
3 Shot Auto Exposure Bracketing	3:2 Aspect Ratio Mode
Adjustable Color	Video Output (PAL/NTSC Selectable)
Saturation/Contrast	4 Mode In-Camera Picture Effects
Clear Color/Clear Luminance NR	5 Step Manual Preset Focus
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

35mm Equivalent: 34 - 102mm

Aperture: f2.0 - 2.5

Focus: 5 Area Multi-Point AF, Manually Selectable Point, 13 Step Manual Preset

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 13-step

Manual Exposure: ±2.0 EV, 1/3 EV Steps

Color LCD: 2.5" 123K Pixels Low Temperature Polysilicon TFT

Flash Modes: Auto/Forced On/Forced Off/Slow Synchro

Red-eye Reduction: On/Off

Red Effective Range: 1.3 - 16.4 ft (0.5 - 5.0m)

White Balance: Auto, Daylight, Cloudy, Fluorescent, Incandescent, Flash, Manual

Picture Effects: Black & White, Solarize, Sepia, Negative Art

ISO: Auto, 100, 200, 400

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 SPVD-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, A/V and USB Cables, Shoulder Strap, Lens Cap, MCR-156A CD-R Media, MCRW-156A CD-RW Media; Software CD-ROM



Still Image Mode

8cm (3") CD-R/RW Disc (156 MB)

Image Size	JPEG Fine	JPEG Standard	TIFF
2592x1944 (5MP)	51	95	7
2560x1728 (3:2)	51	95	8
2048x1536 (3MP)	81	145	7
1280x960 (1MP)	194	345	8
640x480 (VGA)	655	1284	8



MPEG MOVIE MODE

Maximum Recording Time (minutes/seconds)

8cm (3) 156 MB CD-R/RW Disc	VX Mode (640 x 480)	Mail Mode (160 x 112)
	5 min 54 sec	91 min 34 sec

BATTERY LIFE (Approx)

Battery	Recording-# Shots*	Recording-Minutes*	Viewing**
Fully Charged	LCD On	LCD On	No. Images/Batt. Life
NP-FM50	220	110 min	

*Under Average Conditions:

Normal Mode (JPEG), Picture quality Fine; Shooting each image at 30 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 7/16" x 3 3/4" x 4" (138.5 x 95.7 x 103.1mm)

Weight: 1 lb 6 oz (606g) (w/Battery, CD-R/RW, Strap)

OPTIONAL ACCESSORIES

DSAC-MVC Clip-on Eye-level Finder/Magnifier	VCL-DEH17V Hi-grade Telephoto Conversion Lens
ACC-MVCD2 Starter Kit (LCS-MVC4, NP-FM50, MCRW-156A x3)	VF-52CPKS Polarizing Filter Kit
ACC-FMV50S Stamina Value Kit (LCS-VA3, NP-FM50)	VF-R52K Neutral Density Filter Kit
NP-FM50 InfoLithium® Battery	MCR-156A 8cm (3") CD-R Media
AC-SQ950D AC/DC AC Adaptor/Quick Charger	5MCR-156A 8cm (3") CD-R Media
LCS-MVCA Deluxe Soft Carrying Case	10MCR-156A 8cm (3") CD-R Media
HVL-F32X External Auto-Programmable Flash	MCRW-156A 8cm (3") CD-RW media
HVL-F1000 External Flash	3MCRW-156A 8cm (3") CD-RW Media
VAD-S70 Conversion Lens Adaptor Ring	VMC-14UMB Replacement USB Cable
VCL-DEH07V Hi-grade Wide Angle Conversion Lens	RM-VD1 Multi-Function Wired Remote Control
	VCT-D680RM Remote Control Tripod
	VCT-R640 Lightweight Tripod
	VCT-MTK Travel Tripod

SONY

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