

MVC-CD400

CD Mavica® Digital Still Camera



FEATURES

► 1/1.8" 4.0 MegaPixel Effective Super HAD™ CCD, 4.1 MP Gross



Super HAD (Hole Accumulation Diode) CCDs 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 its superior sharpness and color accuracy, the Vario Sonnar 3X Optical zoom lens features a unique coating to resist chromatic aberration. Its fast f2.0 maximum aperture is great for available light shooting.

► 5 Area Multi-Point Auto Focus



By evaluating separate focus areas of the frame, Sony's Multi-point AF system intelligently focuses on the subject. Five manually selectable points allow creative control of the focusing system.

► Hologram AF



Projecting a Class 1 laser pattern, Hologram AF reads the contrast between the pattern's edge and the subject for most accurate focus, even in low or no light.

Multi-Pattern Measuring



Independently light-metering 49 points of the frame, Multi-Pattern measuring establishes the optimum exposure value, even in scenes where pronounced highlight and shadow are not centered in the frame.

Pre-Flash Metering

With a momentary pre-flash, the camera illuminates the subject and calculates exposure through the lens directly from the CCD for accurate flash metering. Adjustable flash level and red-eye reduction insure great flash shots.

► STEP-UP FEATURE

CD-R/RW 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.

► Manual Exposure Controls



Flexible Exposure control is provided with Aperture Priority (f2.0-8.0), Shutter Priority (8 sec-1/1000 sec) and Manual Exposure modes. EV Compensation allows further fine tuning.

► Scene Selection Mode



With 4 Scene Modes, camera parameters can be matched to the shooting conditions. Twilight slows the shutter to as long as 2 seconds for available light, Twilight Portrait adds flash to illuminate foreground subjects, and Landscape and Portrait optimizes distant and near focus.

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



14-bit Digital EXtended Processor captures the range between highlight and shadow with up to 16,384 values, for extended dynamic contrast and detail.

Confirm Before Write Mode

Allows you to check each image before writing to disc, to avoid wasting space with mistaken shots.

Rechargeable Infolithium® Battery

Provides reliable, long-lasting power for continuous shooting, and avoids the "memory effect" common to other batteries. AC-L10 adapter/charger provides stable power for USB download.

► 4MP (2272x1704) Image Size

With its high resolution CCD, the MVC-CD400 captures in 4 different image sizes, with selectable Fine or Standard JPEG compression and TIF mode.

► 3 Shot Burst/AE Bracket Mode



The MVC-CD400 can capture three full resolution images in just 2 seconds, and Bracket Exposure in 1/3, 2/3, or 1 EV increments.

Multi Burst Mode



Captures 16 320x240 frames as part of a single 1280x960 image which plays back sequentially in the camera. Selectable 1/7.5 or 1/15 or 1/30 second frame intervals provide convenient motion analysis.

MPEG Movie HQX Mode



Captures full frame playback, high frame rate (16 frames per second) audio/video clips with length limited only by the capacity of the media. MPEG Movie Video Mail and Presentation modes capture smaller 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.

Playback Zoom, Trim and Resize



During playback, magnify any portion of the image up to 5x and trim to the area of your interest. Then, save the new image as a new file in any of the image sizes available from the menu.



► Hot Shoe and ACC Terminal

Connect Sony's HVL-F1000 flash or Remote Controls with ACC Terminal, or synchronize studio lighting with the Hot Shoe terminal.

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ADDITIONAL FEATURES

MPEG1 Cue, Review and Divide
6 Mode White Balance
3:2 Aspect Ratio Mode
Clip Motion Mode
Video Output (PAL/NTSC Selectable)
4 Mode In-Camera Picture Effects
13 Step Manual Preset Focus

SPECIFICATIONS

Imager: 1/1.8" 4.0 MegaPixel effective Super HAD™ CCD (4.1 MegaPixel gross)
Recording Media: 8cm 156MB CD-R/RW disc
Zoom: 3X Optical/2X Digital/6X Total
Filter Diameter: 52mm (requires VAD-S70 adapter)
Focal Length: 7.0 – 21.0mm
35mm Conversion: 34 – 102mm
Aperture: f2.0-2.5
Focus: 5 Area Multi-point AF, 13-step Manual Preset
Minimum Focus Distance: 1.6" (4 cm) Macro Mode
Macro Mode: Yes
Shutter Speed: Auto, 1/30 – 1/1000 sec, Manual 8 sec – 1/1000 sec
Manual Exposure: ±2.0 EV in 1/3 EV steps
Color LCD: 2.5" 123K Pixels Low Temperature Polysilicon TFT
Flash Modes: Auto/Forced On/Forced Off, Red-eye Reduction On/Off
Flash Effective Range: 1.6 – 16.4 ft (0.5 – 5.0m)
Flash Shoe/Terminal: Hot shoe, ACC Terminal
White Balance: Auto, Daylight, Cloudy, Fluorescent, Incandescent, 1-push
Picture Effects: Black & White, Solarize, Sepia, Negative Art
ISO: Auto, 100, 200, 400
Scene Modes: Twilight, Twilight Portrait, Landscape, Portrait
Self-Timer: Yes, 10 seconds
Video Output: Yes, NTSC/PAL Selectable
Still Image Modes: JPEG (fine), JPEG (standard), TIF, Email
MPEG Movie Modes: MPEG HQX (320 x 240, 16fps, Full Screen Playback)
MPEG EX Presentation (320 x 240, 8fps)
MPEG EX Video Mail (160 x 112, 8 fps)
Clip Motion: Normal (160 x 120), Mobile (80 x 72)
Microphone/Speaker: Yes, Yes
USB Terminal: Yes
Software Supplied: Pixela® Image Mixer for Sony v1.0, USB Driver
OS Compatibility: Microsoft® Windows® 98/98SE/Me/
2000 Professional/XP Home/Pro
Macintosh® OS 10.0/10.1
Supplied Accessories: NP-FM50 Infolithium® Rechargeable Battery,
AC-L10 AC Adapter/In-Camera Charger, A/V and USB
Cables, Lens Cap w/Strap, Shoulder Strap, Software CD-ROM
Dimensions (WHD): 5 7/16" x 3 3/4" x 4" (138 x 95 x 101mm)
Weight: 1 lb. 7 oz. (638g) (with Battery, Media, Strap)



JPEG Still Image Mode

Fine/Standard

8cm CD-R/RW (156 Megabyte)	Fine	Standard
2272 x 1704	66	119
1600 x 1520	66	119
1280 x 960	195	347
640 x 480	658	1291



MPEG MOVIE MODE

MAXIMUM STORAGE TIME

	HQX (320 x 240) 15 sec Intervals	Presentation Mode (320 x 240) 60 sec Intervals	Video Mail (160 x 112) 4 min Intervals
Mavica® CD-R/RW	approx. 5 min 53 sec	approx. 23 min 38 sec	approx. 89 min 36 sec

OPTIONAL ACCESSORIES

DSAC-MVC Clip-on Eye-level Finder/Magnifier
LCS-MVC4 Soft Carrying Case
NP-FM50 InfoLithium® Battery
ACC-MVCD2 Starter Kit (LCS-MVC4, NP-FM50, MCRW-156A x3)
AC-SQ950D AC/DC Quick Charger/AC Power Supply
MCR-156A 8cm 156MB CD-R Disc
5MCR-156A 8cm 156MB CD-R Disc 5 Pack
10MCR-156A 8cm 156MB CD-R Disc 10 Pack
MCRW-156A 8cm 156MB CD-RW Disc
3MCRW-156A 8cm 156MB CD-RW Disc 3 Pack
VCL-MHG07A 0.6X Wide Conversion Lens
VF-R52K Neutral Density Filter Kit
HVL-F1000 Flash
RM-DR1 Wired Remote Control
VCT-D480RM Remote Control Tripod

SONY

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