

DDV-970

3.0" TFT LCD , 7.2M Panasonic CCD Sensor ,
3x Optical Zoom
Multiple Feature-packed PMP Camcorder

Enjoy the professional DV pleasantly and thoroughly !

Multiple Feature-packed Products: DV/DSC/Voice Recorder/TV Out/USB Storage
3.0" Super Wide TFT LCD with Swivel Screen 300° Rotation
7.2 M Panasonic Pixels High Quality CCD Sensor
12 M Pixels Enhanced Resolution
5 X Digital Zoom for Capture Mode
Max. 8 X Digital Zoom for Playback Mode
MPEG4 Compression Technology with High Image- D1 (720x480) Resolution
MPEG4 Media Player and TV Output Function
SD/MMC Card Slot Compatible up to 4GB Storage
Remaining Memory / Recording Time Management
Multi-language on Screen Display
9 Optional Photo Frames for Pictures
Customized Photo as Welcome Screen
Operate all Functions Remotely thru Remote Controller
Motion Stabilization Function
Face Detection Function

Specification

Lens and Sensor:

- * Sensor: 7.2 M Pixels 1/2.5" Panasonic High Quality CCD Sensor
- * Lens Type : Auto Focus 3x Optical Zoom
- * Aperture Range: F3.0 – F6.0
- * Focusing Type : Auto Focus, Continuous AF, Face Detection AF
- * Focus Range: Macro : 5cm ~80cm (Wide) ;30cm~80cm (Tele)
- * Digital Zoom/ Capture Mode : 5 X
- * Digital Zoom/ Play Mode : Max. 8 X (Base on the Image Size Setting)
- * Shutter Type: Mechanical and Electrical Shutter
- * Shutter Speed: Normal: 2 sec-1/1500 sec, Night Scene: 8 sec-1/1500 sec

Digital Imaging and Specification:

- * Display: 3.0" TFT LCD, Swivel screen 300° Rotation
- * High Resolution, High Brightness, High Electron Response Speed
- * Scene Mode: Auto, Program, Portrait, Landscape, Night Portrait, Night Landscape, Sunset, Backlight, Candle Light, Beach, Auction.
- * Color Effect : Normal, Black & White, Sepia, Negative (Only can be used with Scene Program mode)
- * White Balance (7 Modes): Auto, Daylight, Cloudy, Fluorescent, Tungsten, Sunset, Custom
- * Image Metering modes: Multi and Spot
- * Sharpness: Soft, Normal, Vivid
- * Image Editing Function: Trimming, Resizing, Rotation
- * Exposure Compensation: Programmed AE (-2EV ~ +2EV , 0.5EV/ Steps)
- * Continuous Shots: Single, 3 Pictures
- * ISO Equivalent: Auto, 100, 200, 400, 800, 1000
- * Face Detection : Automatically Finds Faces and Optimizes Focus, AWB and Exposure

Resolution:

- * Still Image File Format: JPEG (DCF), Exif 2.2, DPOF 1.1, PictBridge 1.0

- * Still Image Quality: Normal, Fine, Super Fine
- * Still Image Resolution (Pixels)
12M : 4,000 X 3,000, 7.2M : 3,072 x 2,304, 5M : 2,592 x 1944,
3M : 2,048 x 1,536, 1M : 1,024 x 768
- * Video File Format: AVI (MPEG-4 , Xvid Codec) with ADPCM Audio
- * Video / Recording Resolution:
D1:720x480 / 30 fps, VGA:640 X 480 / 30fps, CIF:320 X 240 / 30fps
- * Video Image Quality: Normal, Fine, Super Fine (Compression Rate from High to Low)
- * No Recording Interruption; Real Time Video Recording
- * Audio File Format : WAV

Audio, Video In/Out:

- * Audio Input: Microphone Mono
- * Audio Output: Speaker (Mono) or TV out (Stereo)
- * TV Output: For NTSC / PAL System with Video/Audio Output
- * Digital Output Connector: USB 2.0

Memory:

- * Internal Memory: 32 MB Flash Memory with/Firmware and Software
- * External Memory: SD/MMC Card Compatible up to 4GB , SDHC Supported

Power Management:

- * Power Supply: NP-60 3.7V Rechargeable Li-Ion Battery Pack
- * Battery Charger: (I/P) 100V-240V Charger, 50/60Hz , (O/P) 5VDC 2mA
- * LED: Power, Playback, Self-Timer and Flash Charging
- * Auto Power Off: Off, 1, 3 min

Others:

- * Dimensions: W112.3mm x H70.3mm x D30.2mm
- * Weight: 180 g (Including Battery)
- * Multi-Language: English/ French/ German/ Italian/ Spanish/ Russian/ Japanese/ Thai/ Turkish/
Portuguese/ T-Chinese/ S-Chinese
- * USB Interface: Mini USB 2.0 High Speed, Mass Storage Protocol
- * IR Remote Controller: Effective Range 15 degrees, Working Distance: 3m (Outdoor), 6m
(Indoor)
- * Playback: Image, Movie, Wav Audio, Thumbnails, Slideshow
- * Self Timer: 10, 2 Seconds Delay, Double with LED Indicator
- * Strobe Modes : Auto / Auto & Red-Eye Reduction / Fill-in / Slow Sync / Off
- * Flash Working Range : (Wide) 0.25-2.0m ; (Tele) 0.5-1.5m
- * Support O/S: Win98/ ME/ 2000 Professional (SP4) / XP (SP2), Mac OS 9.2 or above and Power Mac
G3 or above
- * Application Software : ArcSoft MediaImpression

Accessories

- * CD with Driver and Manuals
- * Li-Ion Rechargeable Battery
- * Battery Charger
- * USB / Video Cable
- * Quick Guide
- * Wrist Strap
- * Remote Controller
- * Tripod
- * Pouch